

TARGETTI

IA

RCG

E

III

INDOOR
2 0 1 6

INDOOR

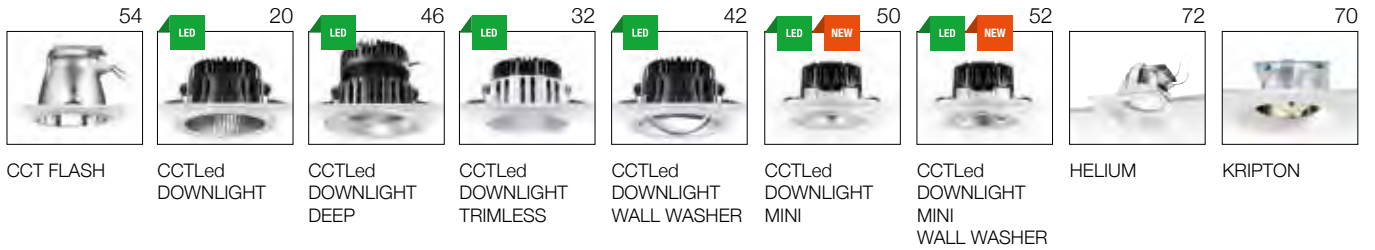
RECESSED DOWNLIGHTS	18
SMALL DOWNLIGHTS	76
RECESSED PROJECTORS	90
PROJECTORS	232
CEILING AND SUSPENSIONS	318
TECHNICAL SUSPENSION	388
GLASS AND OPAL	414
WALL MOUNTED	434
SYSTEMS	456
STRIP LED	480
FILTERS	488

OUTDOOR

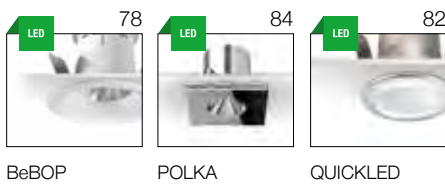
INGROUND	498
LINEAR LIGHTING	562
PROJECTORS	582
WALL AND CEILING MOUNTED	626
FACADE LIGHTING	652
BOLLARD	674
STRIP LED	688
CONTROL SYSTEM	694
TECHNICAL DATA	704

INDOOR

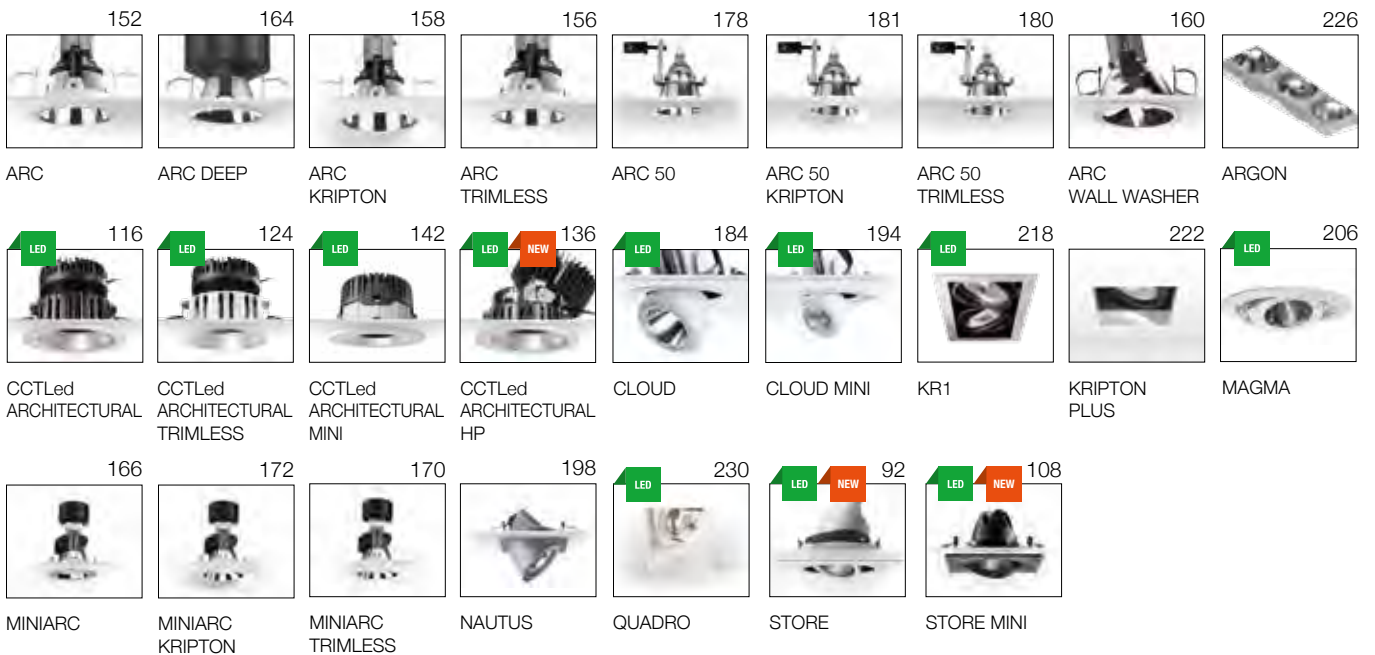
RECESSED DOWNLIGHTS 18



SMALL DOWNLIGHTS 76



RECESSED PROJECTORS 90



PROJECTORS 232



CEILING AND SUSPENSIONS 318



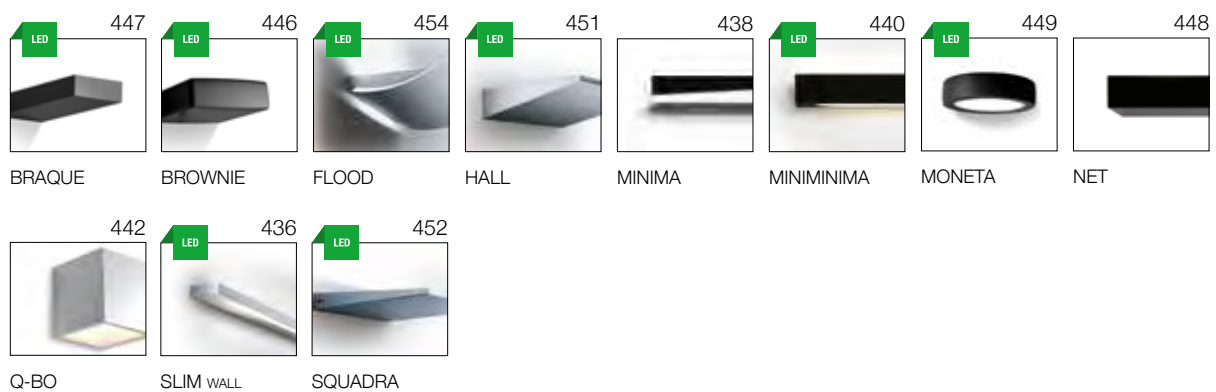
TECHNICAL SUSPENSION 388



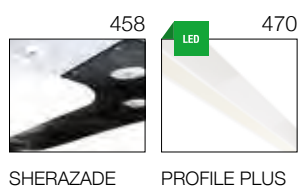
GLASS AND OPAL 414



WALL MOUNTED 434



SYSTEMS 456

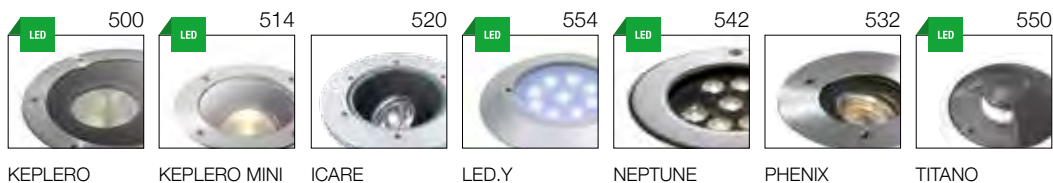


STRIP LED 480



OUTDOOR

INGROUND 498



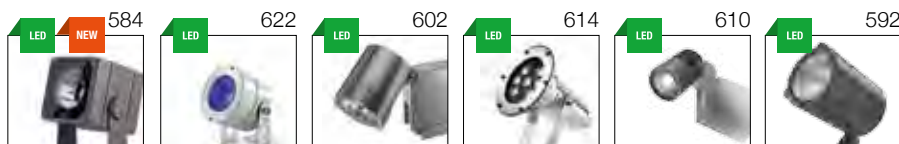
KEPLERO KEPLERO MINI ICARE LED.Y NEPTUNE PHENIX TITANO

LINEAR LIGHTING 562



JEDI MERCURE MICRO MERCURE MINI MERCURE

PROJECTORS 582



DART LED.Y NANO PYROS NEPTUNE PICO PYROS PYROS

WALL AND CEILING MOUNTED 626

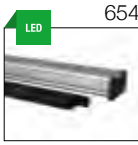


e-FORUM e-FILO HOCKEY STILO WALL STILO CEILING

FACADE LIGHTING 652



FEBO



JEDI



LINEOS

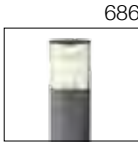


Q BO

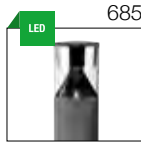
BOLLARD 674



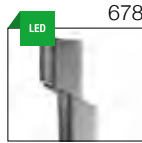
CHIODINO



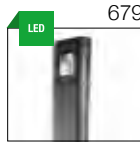
EDEN



EDEN LED



STILO PATH



STILO RAISED

STRIP LED 688



LED BELT



OUR PHILOSOPHY

Targetti has been designing and producing indoor and outdoor architectural lighting fixtures since 1928. Every solution is developed with the aim of contributing to the efficiency and comfort of the environment we live in and to substantially influence the quality of every project. The result is products that are built to last where perfect light control and excellent performance combine with the pure forms of clean and timeless design.

The importance also given to the emotional component of light leads us to work with architects and lighting designers all over the world: they are our first contacts, those who we deal with to find flexible solutions that integrate perfectly in different architectural contexts. Expertise, experience and an extensive global network mean that we can assist them at every stage with quick and punctual answers.

In order to provide more comprehensive and immediate product information Targetti has now combined their INDOOR and OUTDOOR collections into one volume. The 2016 catalogue was created with the aim of being a useful tool representing all Targetti products as well as the company philosophy. All Targetti products are designed with the same awareness: it is light that gives shape to space and that influences even the perception and the use of every environment.





The INDOOR collection encapsulates this idea with solutions that aim for excellence both in terms of visual comfort and application versatility. Downlights, projectors, suspension, ceiling and wall fixtures and led strip become valuable design tools – from the Retail, exhibition and museum sectors to work, hospitality and leisure environments.

The same approach applies to the OUTDOOR collection that is made up of an extensive range of luminaires: projectors, inground, bollard and linear light fixtures for use on the wall and to light building facades. Every outdoor solution is developed so that it is the architecture in centre stage, to enhance the geometrical shapes and proportions of urban space with light volumes.

From a technical point of view the new catalogue intends to emphasize the central role of the Targetti Optic Division that specialises in studying and developing proprietary optical systems and all accessories responsible for controlling and managing light output. From the point of view of research into LED sources, the catalogue emphasises the advantages of this technology and its ability to optimise light quality. Efficiency, low power consumption, minimum maintenance and simplicity of management are indispensable parameters for us here at Targetti.



EMO
TION

TRADI
TION

TECHNO
LOGY

INNO
VATION



LED SOURCES

Careful choice of LED sources is the distinctive element of the Targetti collections. There are many alternatives available such as the innovative LED VMD technology.

LED VMD

Maximum colour saturation and maximum white colour rendering.

The special combination of chips and phosphors that are the basis of LED VMD, ensure a complete emission spectrum in all its wavelengths that not only gives excellent performance, but – above all – colour brilliance.

RA84

The best compromise between efficiency and colour rendering.

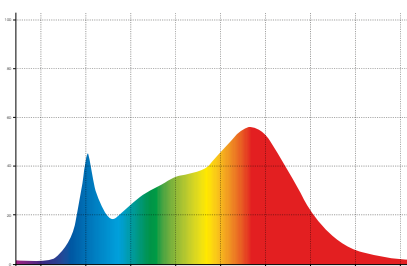
Thanks to a complete and balanced colour spectrum the RA84 option makes it possible to bring out colours precisely, while maximising performance at the same time.

RA97

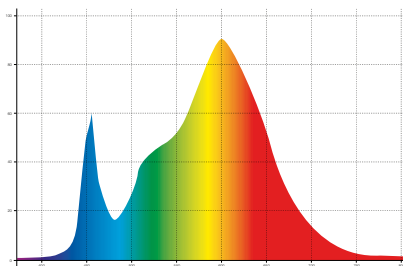
A valid alternative to halogen lamps.

The result is a particularly warm light that is designed to combine the advantages of a more efficient system that is ideal to enhance the colour rendering of warm tones (RA > 95), with the unique characteristics of halogens lamps.

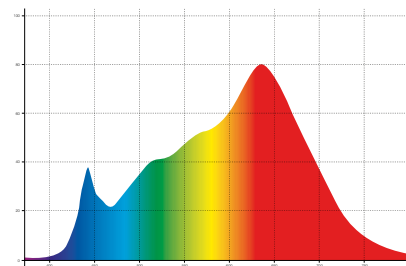
VMD



RA 84



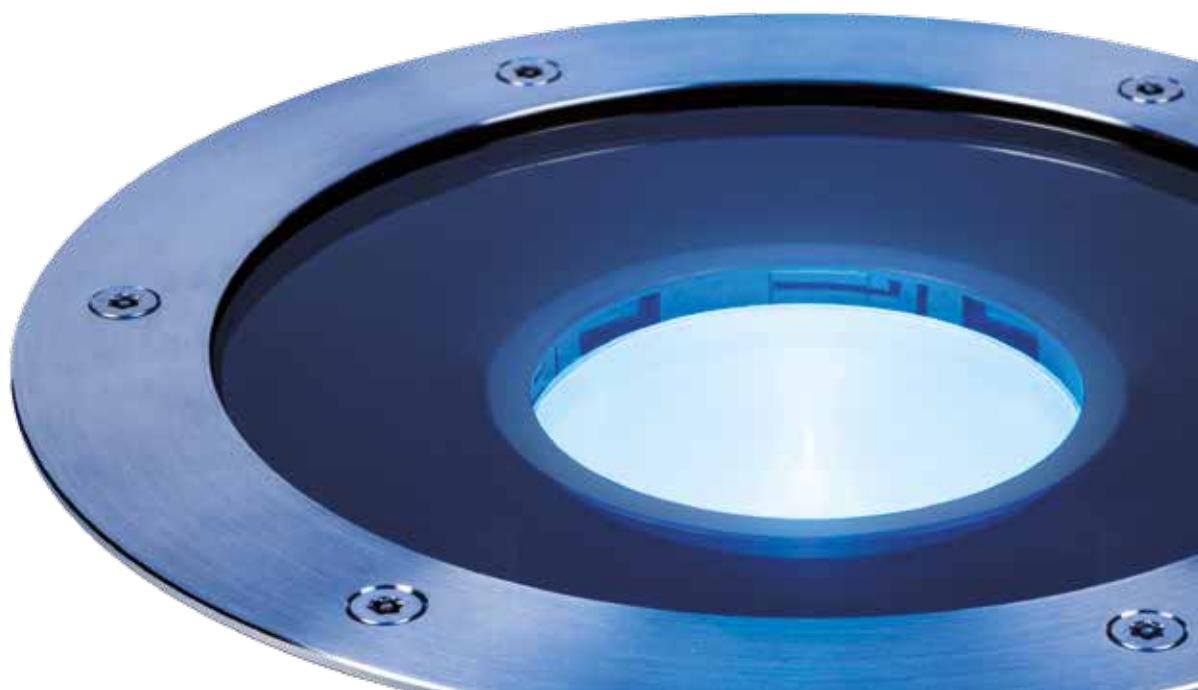
RA 97





RGBW

The new generation of Targetti RGBW products– with red, green, blue and white LED sources – is the best choice for architectural and scenography lighting projects. Through the use of a DMX-RDM (Remote Device Management) protocol the fixtures can be managed remotely using the same DMX data line without the necessity to open the product for initial configuration. The two RGB and RGBW modes make it possible to enhance colour uniformity or intensity and luminous flux.





PROPRIETARY OPTICS

The Targetti Optic Division focuses on developing and producing the optical systems that are used in the brand's fixtures and accessories. It is composed of a Design Department and a Production Department. The Design Department, equipped with the latest simulation and 3D software, develops and fine tunes Targetti's Proprietary Optics. They are produced by the Production Department that has more than 30 years experience in the sector and is now equipped with machines and personnel specialising in optical systems and advanced filter technology.

Targetti LED products are the result of increased investments by the company into research and development, a "historical" calling that integrates the values gained through experience and constant attention to results obtained from recent studies and experiments. All this produces cutting-edge light fixtures that comply with the highest quality standards over time.

Targetti has always paid great attention to optics. Their reflectors for "traditional" lamps as well as fluorescent, halogen and discharge lamps – stand out for their precision and efficiency. All this thanks to the choice of the best materials and thanks to all the special treatments used to ensure high reflection coefficients. Moreover, there's the possibility of integrating the use of a particular transparent coating process known as a "Scratch-Proof Formula" for metalized plastic reflectors, that produces durable surfaces that are resistant to scratches and moisture.





LED technology has introduced important changes also in terms of optical systems. From using materials like pure polished aluminium that resists high temperatures, the move was made to "lighter" lenses with a high degree of transparency and the ability to focus smaller sources.

If previous optical systems could be equipped with coverings designed and built around lamps with similar characteristics for all fixture manufacturers, with the advent of LED technology they acquired a strategic importance, becoming the heart of an interdisciplinary project where knowledge of electronics, thermodynamics, mechanics and design come into play.

Using standard optics for an almost infinite number of different sources is clearly an inescapable banality. Targetti however did not change their distinctive approach to developing optical systems and the idea that you can only really innovate through ad hoc design oriented at excellence. Here arose the willingness and necessity to design and produce unique patent protected optical systems.





PROPRIETARY OPTICS

In a market where the norm is a range of solutions based on a homogenous platform of components (optics+ reflectors), Targetti prefers to differentiate and provide solutions where the technology changes depending on the desired light distribution. Efficiency, flux and clean beams are consequently better and in line with the demands of lighting designers and project planners. Let us take for example the optics for the MINI versions of our fixtures that can be made up of:

- COB LED sources and ellipsoidal faceted reflectors for large beams (MWFL and WFL), where it is important to obtain uniformity on the illuminated surfaces, mixed beams and above all efficiency;
- COB LED sources and methacrylate lenses for SP and FL beams where a high luminous flux and a high degree of beam precision are required;
- High-power LED sources and TIR lenses specifically for NSP (optics with a beam angle of less than 10°)





To all of this Targetti has added their range of innovative Hybrid Optic solutions – even for narrower SP and FL beams–capable of creating clear, well defined luminous cones without typical system halos using simple reflectors. These solutions require the addition of spherical lenses made of optical glass that together with an external reflector, optimise and enhance beam collimation.

With the introduction of LED technology the Production Department focused a lot of attention on producing special filters, i.e. capable of customising the colorimetric characteristics of fixtures equipped with LED sources. It is possible for example to obtain a colour rendering index of $RA > 95$ or Sub Planckian Chromacity (MVID) from standard LED sources with $RA > 80$.



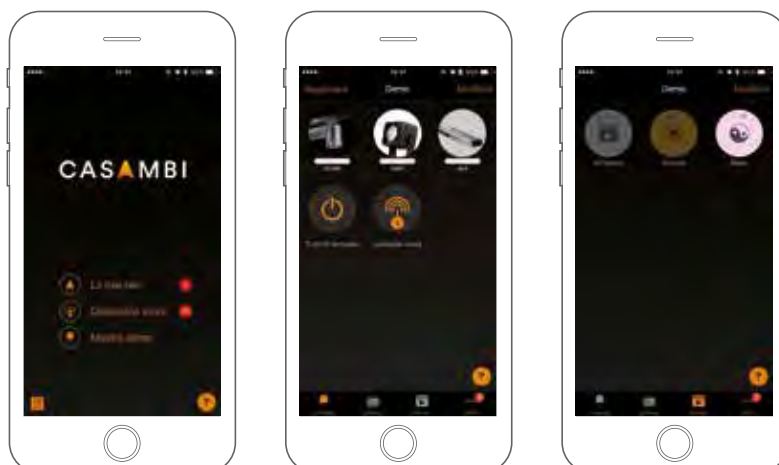


LIGHTING MANAGEMENT SYSTEM

For wireless control of lighting equipment, Targetti has developed the LMS domotic system based on the Bluetooth Low Energy technology by Casambi Hoy. The system allows control of all products in the Targetti collection through internal components or external accessories. Added value comes from the numerous additional devices designed to flexibly control even the most complex systems made up of equipment for different manufacturers and/or equipped with different sources (LED, halogen and discharge lamps, fluorescents) with DALI, 1-10V, Phase cut, ON-OFF controls.

EASY AND INTUITIVE

LSM by Targetti is known for the intuitive simplicity of its applications available for both iOS and Android environments. The applications and devices ensure immediate operation of the system without the need for control units or special programming by specialized personnel. In just a few minutes, anyone will be able to create and manage their own lighting network, controlling each piece of equipment individually or in groups according to their needs. To make each command even more immediate, just take a photo of the lit environment and put the controls near the equipment. The possibilities are infinite, including the addition of presence sensors, movement sensors, and even traditional buttons for manual control of lighting equipment, curtains, rolling shutters, etc.

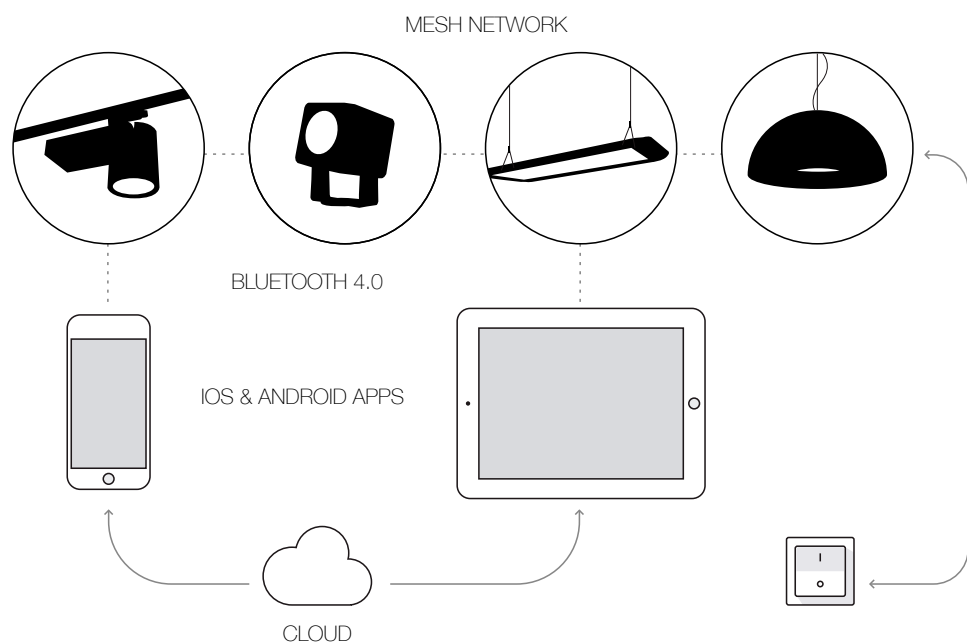




A SYNERGY OF VALUES

The LMS system is the synthesis of Casambi Hoy components with Targetti devices, a synergy of values that complete and expand the characteristics that have made Casambi the technology leader for wireless light control.

Thanks to the use of a proprietary protocol for communication to and from the various pieces of equipment, Casambi allows the final user to independently build their own adaptive and mesh self-healing network. It is "adaptive" because each piece of equipment can operate as a repeater for the others, automatically adapting to any context to obtain the best propagation of the control signals. This leads to solid and reliable networks that are able to connect up to 200 pieces of equipment in a Cloud environment and to optimize control of the networks themselves as well as the profiles of the equipment and access rights.



T

I

A

R

G

E

E

T

I

I

I

MIN

DOO

OR

RECESSED
DOWNLIGHT

CCTLed DOWNLIGHT



Innocean Design Agency - Frankfurt, Germany. Project: Ippolito Fleiz Group. Photographer: Robert Hoernig

LED RECESSED DOWNLIGHT



INNOVATIVE

CCTLed combines aesthetic features and performance in a single product resulting in a lighting performance and versatile design tool. Different versions from a range that takes the concept of innovation to its extreme, reaching out into the future of LED technology.

CCTLed DOWNLIGHT



A TRIM FOR EVERY ARCHITECTURAL DESIGN

The CLASSIC version can be combined with three different decorative rings, having a completely new design, compatible with the three optics. Trim rings with straight or rounded edge and the new XL ring that is able to further reduce the size of the emitting surface. All designed in two different colours, black and white. Specifically designed for the TECH version, thanks to its considerable size and brand new smooth effect, the XL ring allows a captivating play between light and matter, for professional spaces full of charm. The range is completed by two trim rings complete with safety lens: micro-prismatic diffusive or silk printed.





TRIMLESS VERSIONS

The TRIMLESS version is distinguished by a frame made of white painted aluminium, thanks to its special design can be used directly as counter trim ring eliminating other installation templates. Nothing is left to chance. The round ring is perforated in order to ensure a secure grip for a soft plastering finish and anodized to prevent the formation of rust which "would mark" the false ceiling over time.

KRIPTON VERSIONS

The entire range of recessed projectors are compatible with a decorative plaster ring that makes it possible to insert the fixture into the false ceiling, thus redefining the technical quality of the CCTLed light through a more decorative and versatile approach. The plaster rings can be painted with traditional water-based paints to coordinate the lighting project with the aesthetics of the architectural concept. Assembly is really quick and easy. It is possible to order the plaster component separately for installation on site so once the electric wiring is fitted the lighting fixture can even be installed at a later stage.

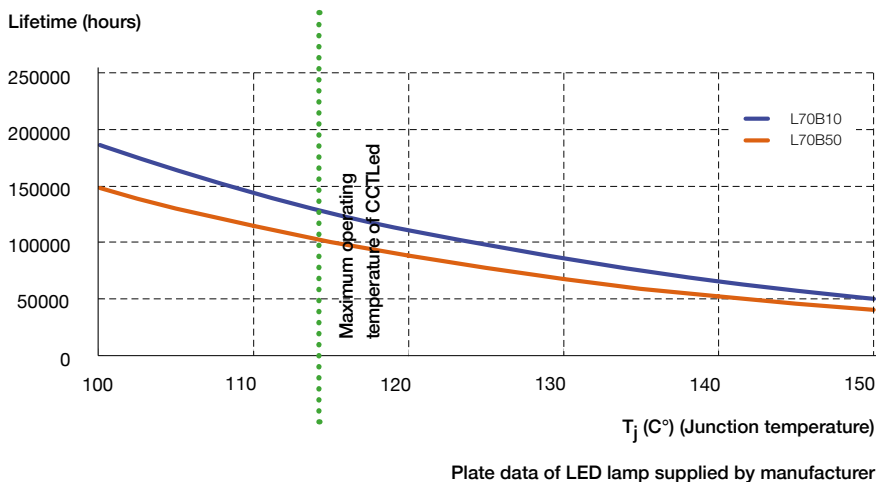


CCTLed DOWNLIGHT

LONG TERM QUALITY AND PERFORMANCE

CCTLed's heat sink is able to keep the LED's junction point temperatures below the prescribed levels, thereby maximising performance and above all, maintaining this over time. The LED source within the CCTLed works below 115° which is why it can have a realistic life span of up to 100.000 hours.

CCTLed Downlight	
Diameter	Ø 160mm
Recessed depth	H. 100mm all versions
Fixture's luminous flux	22W > 2000lm 32W > 2700lm (3000K)
Color temperature	2700K, 3000K, 4000K
Optics	Smart, Tech, Feel, Wall Washer



EVEN MORE PERFORMANCE

Thanks to its universal interface CCTLED is able to follow the evolution of LED sources. This little-big downlight is now fitted with a new LED source that makes it possible to lower power consumption with the same flux and therefore improve overall efficiency.



program

CCTLed may also be a wall fixture, or ceiling or suspension mounted in the sophisticated TUBE version. A complete program for illuminating projects in any environment. All the CCTLed DOWNLIGHT optics are available in the TUBE version.



TOOL FREE INSTALLATION

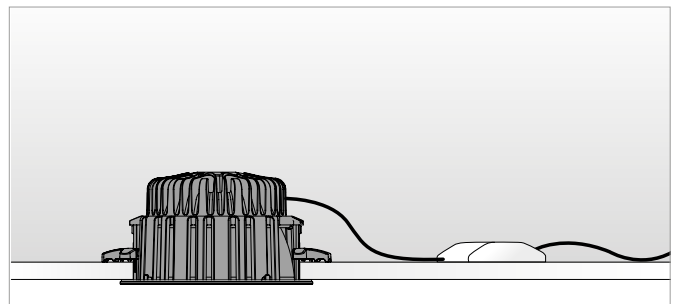
Everything is so quick and easy with CCTLed. The installation is fast and intuitive. Every detail is designed to reduce installation times without the need for any kind of tool, not even for the connection to the driver unit. The sliding device for mounting to the false ceiling is extremely easy, the power supply is provided with a quick connector, the optics system has a bayonet lock as do the different decorative rings.

SMALL DOWNLIGHT WITH POWER UP TO 33W

With a mounting depth of just 10cm (15 cm CCTLed Downlight Deep) this downlight is the smallest and best performing in the market. LED power output of up to 33W with fixture fluxes up to 3267 lm. Great performance in a compact body.

FLEXIBLE FEEDING INCLUDED

CCTLed Downlight comes equipped with a driver. Available in an electronic or dimmable 1-10V / DALI version for maximum control of lighting management.



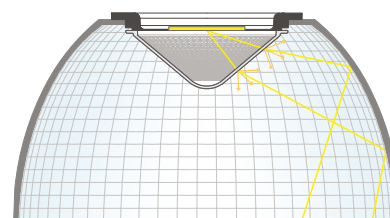
CCTLed DOWNLIGHT

The three CCTLed versions names - SMART, TECH and FEEL - suggest the different light "feelings" and effects as well as some ideal applications of the downlight. It is up to the sensitivity of the designer to evaluate the different characteristics and to explore different uses which, in fact, are endless. Optics with different geometries and mirror faceted or smooth matt finishes can be combined together to create a wide range of lighting effects, always ensuring the highest level of efficacy, visual comfort and chromatic quality.



SMART

CCTLed SMART is not only characterised by the geometry of the reflector, but also by its combination with an innovative microprismatic dome refractor that shields the LED source and distributes the light in a soft and diffused manner. CCT Led is ideal where a diffused and perfectly homogeneous general lighting is required.



LED 18W / FIXTURE FLUX max 2246 lm

LED 25W / FIXTURE FLUX max 2986 lm

$\alpha = 80^\circ$

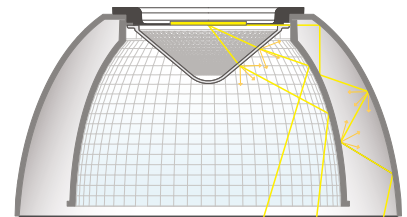
UGR < 22

L = 1500 cd/m²



TECH

The light is emitted in an efficient and controlled manner by the internal reflector while the external one outlines a luminous ring that enhances the evocative effect. CCTLed TECH is suitable to be installed not only in environments regulated by the EN12464-1 standard on direct glare limitation, but also in areas with high ceilings or double volumes, where light control is fundamental to ensure good illuminating values, precision and visual comfort.



LED 18W / FIXTURE FLUX max 2139 lm

LED 25W / FIXTURE FLUX max 2844 lm

$\alpha = 70^\circ$

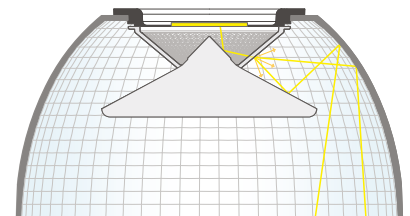
UGR < 19

L = 1000 cd/m²



FEEL

Only 22W consumption for an extremely original downlight, whose design and the completely hidden light source are able to create captivating atmospheres with great visual comfort. The final effect is extremely comfortable, keeping the performances in line with the EN 12464-1 standard (UGR < 19).



LED 18W / FIXTURE FLUX max 1633 lm

$\alpha = 70^\circ$

UGR < 19

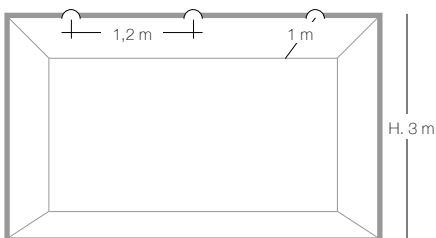
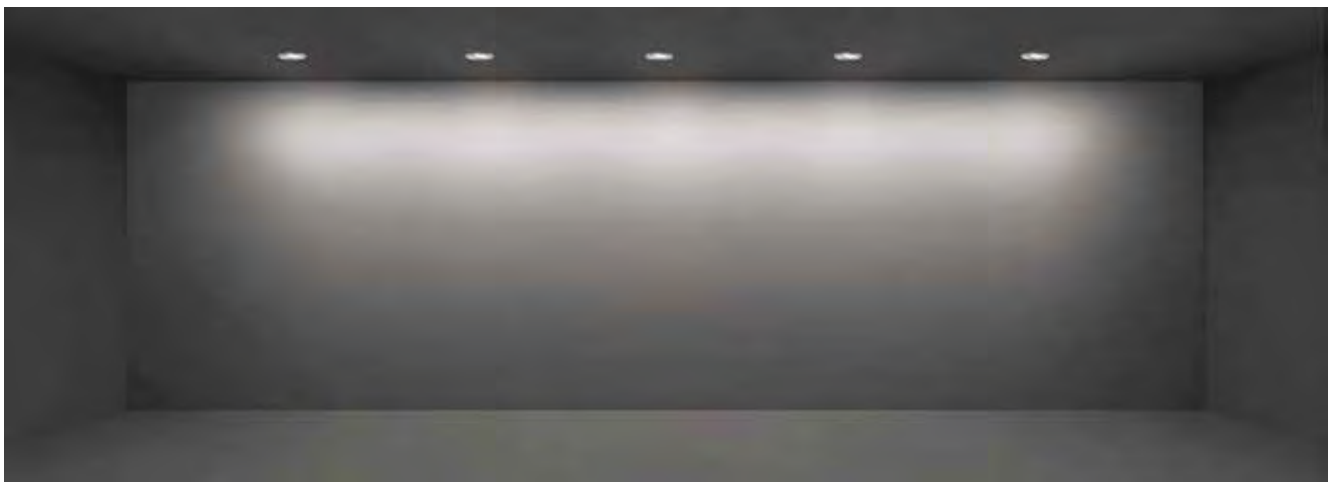
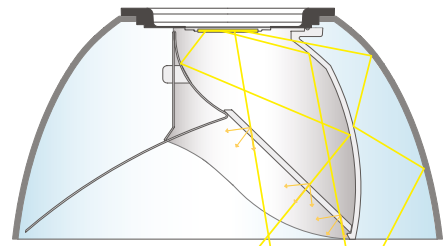
L = 1500 cd/m²

CCTLed DOWNLIGHT



WALL WASHER

The distinctive feature of the CCTLed Wall Washer is a particularly sophisticated dual optic system comprising three different elements. The first captures and reflects the rays emitted by the LED source, which would otherwise reach the wall in a haphazard way; the second is the primary element that creates the real wall washer beam; the third is a diffusive plane filter, which serves to soften the final effect. Finally, an external reflector is added to collect and reflect 3% of the light emission recovered through small openings. The result is soft lighting while contributing to the aesthetic design of the fixture.

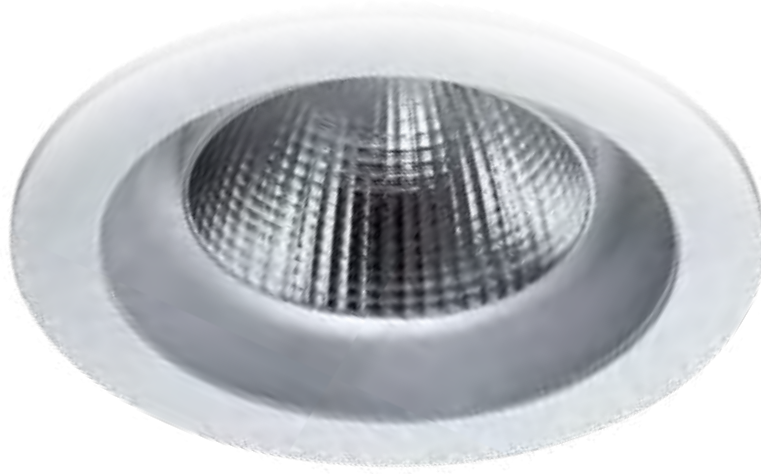


Available both in the 21W and 33W version, the CCTLed WALL WASHER is ideal for lighting up large vertical surfaces. Any space with illuminated walls will appear larger and more appealing. A 120 cm spacing between each fixture is sufficient to provide a completely uniform effect. This is real efficacy!

H 3.00 m - recommended space between each fixtures 1.20m

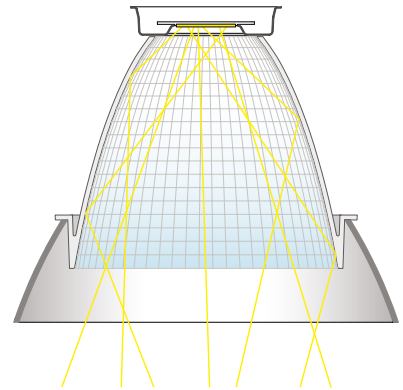
H 6.00 m - recommended space between each fixtures 1.00m





DEEP

The primary faceted optic's distinctive geometry, specifically designed by Targetti for LED sources, magnifies the LED 4000lm's performance. Available both in the SPOT and FLOOD versions for lighting spaces with heights of over 6 meters with significant illumination values and exceptional uniformity.



SP	FL
$\alpha = 21^\circ$	$\alpha = 33^\circ$
UGR < 19	UGR < 19

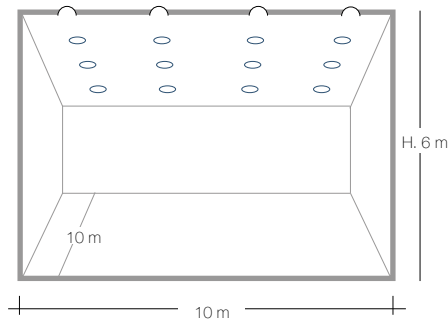
AVERAGE ILLUMINANCE CALCULATION

ROOM TYPE

Reflection surfaces: 0,70 - 0,50 - 0,20

Maintenance factor: 0,80

Work's plane: 0,20



SP	FL
n. 16 CCTLed	n. 16 CCTLed
592W tot.	592W tot.
1,36W/m ² /100lx	1,49W/m ² /100lx
Em= 436	Em= 398
U= 0,34	U= 0,71

DEEP VERSION FOR GREAT HEIGHTS

The DEEP version is the best performing amongst the CCTLed downlights, particularly developed for lighting environments with great heights or double volumes. Exceptional performance with highly controlled beams and extremely low energy consumptions.



SMART

LED recessed downlight. Black painted die cast aluminium body and heat sink. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Flood precision reflector available in faceted version or smooth matt finishing with high reflectance. Microprismatic refractor. The fixture is suitable for installation in workplaces (UGR<22). Quick tool free mounting system for false ceiling installation from 0,5 to 30mm. For installation in concrete wall or ceiling, to be completed with the special plate available as an accessory. Passive dissipation system. To be completed with decorative ring. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 657	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	2042 lm	2138 lm	2208 lm
	EFFICACY	93 lm/W	97 lm/W	100 lm/W
	IMAX	1636 cd	1741 cd	1793 cd

TS 658	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	2077 lm	2174 lm	2246 lm
	EFFICACY	94 lm/W	99 lm/W	102 lm/W
	IMAX	1402 cd	1492 cd	1537 cd

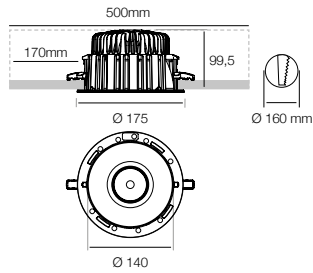
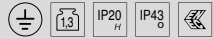
TS 654	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2714 lm	2842 lm	2936 lm
	EFFICACY	90 lm/W	95 lm/W	98 lm/W
	IMAX	2173 cd	2312 cd	2381 cd

TS 653	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2760 lm	2890 lm	2986 lm
	EFFICACY	92 lm/W	96 lm/W	99 lm/W
	IMAX	1879 cd	1999 cd	2059 cd

RINGS

	Squared ring with microprismatic diffusive screen	White	1T3035		Squared ring with silk screen printed	White	1T2939
	Rounded ring	White	1T2933		Squared ring	White	1T2935
		Black	1T3529			Black	1T3530
	Plaster ring*	White	1T4213				

*To be completed with decorative ring.



LED	OPTIC	LED COLOR	POWER SUPPLY		CODE.
18W	faceted	2700K	electronic	TS 658	1T3252EL
18W	faceted	2700K	1/10V	TS 658	1T3252D
18W	faceted	2700K	DALI	TS 658	1T3252DA
18W	faceted	3000K	electronic	TS 658	1T2913EL
18W	faceted	3000K	1/10V	TS 658	1T2913D
18W	faceted	3000K	DALI	TS 658	1T2913DA
18W	faceted	4000K	electronic	TS 658	1T2914EL
18W	faceted	4000K	1/10V	TS 658	1T2914D
18W	faceted	4000K	DALI	TS 658	1T2914DA
18W	matt	2700K	electronic	TS 657	1T3254EL
18W	matt	2700K	1/10V	TS 657	1T3254D
18W	matt	2700K	DALI	TS 657	1T3254DA
18W	matt	3000K	electronic	TS 657	1T2917EL
18W	matt	3000K	1/10V	TS 657	1T2917D
18W	matt	3000K	DALI	TS 657	1T2917DA
18W	matt	4000K	electronic	TS 657	1T2918EL
18W	matt	4000K	1/10V	TS 657	1T2918D
18W	matt	4000K	DALI	TS 657	1T2918DA
25W	faceted	2700K	electronic	TS 653	1T3253EL
25W	faceted	2700K	1/10V	TS 653	1T3253D
25W	faceted	2700K	DALI	TS 653	1T3253DA
25W	faceted	3000K	electronic	TS 653	1T2915EL
25W	faceted	3000K	1/10V	TS 653	1T2915D
25W	faceted	3000K	DALI	TS 653	1T2915DA
25W	faceted	4000K	electronic	TS 653	1T2916EL
25W	faceted	4000K	1/10V	TS 653	1T2916D
25W	faceted	4000K	DALI	TS 653	1T2916DA
25W	matt	2700K	electronic	TS 654	1T3255EL
25W	matt	2700K	1/10V	TS 654	1T3255D
25W	matt	2700K	DALI	TS 654	1T3255DA
25W	matt	3000K	electronic	TS 654	1T2919EL
25W	matt	3000K	1/10V	TS 654	1T2919D
25W	matt	3000K	DALI	TS 654	1T2919DA
25W	matt	4000K	electronic	TS 654	1T2920EL
25W	matt	4000K	1/10V	TS 654	1T2920D
25W	matt	4000K	DALI	TS 654	1T2920DA



Emergency kit

CODE

Emergency + battery pack 3h

[1T3144](#)

Installation accessories See page 48

SMART

Trimless recessed LED downlight for plasterboard.

Anodised die cast aluminium body white painted and black painted die cast dissipator. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Flood precision reflector available in polished faceted version or smooth matt finishing with high reflectance. Microprismatic refractor. The fixture is suitable for installations in workplaces (UGR<22). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



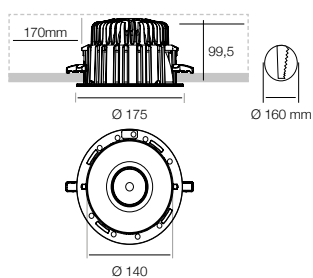
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 657 LED $I_{max} 691 \text{ cd/Klm}$ $\alpha = 72^\circ$	FIXTURE POWER 22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	2042 lm	2138 lm	2208 lm
	EFFICACY	93 lm/W	97 lm/W	100 lm/W
IMAX	1636 cd	1741 cd	1793 cd	

TS 658 LED $I_{max} 592 \text{ cd/Klm}$ $\alpha = 82^\circ$	FIXTURE POWER 22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	2077 lm	2174 lm	2246 lm
	EFFICACY	94 lm/W	99 lm/W	102 lm/W
IMAX	1402 cd	1492 cd	1537 cd	

TS 654 LED $I_{max} 690 \text{ cd/Klm}$ $\alpha = 72^\circ$	FIXTURE POWER 30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2714 lm	2842 lm	2936 lm
	EFFICACY	90 lm/W	95 lm/W	98 lm/W
IMAX	2173 cd	2312 cd	2381 cd	

TS 653 LED $I_{max} 596 \text{ cd/Klm}$ $\alpha = 82^\circ$	FIXTURE POWER 30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2760 lm	2890 lm	2986 lm
	EFFICACY	92 lm/W	96 lm/W	99 lm/W
IMAX	1879 cd	1999 cd	2059 cd	



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
18W	facetted	WW 2700K	electronic	TS 658	1T3262EL
18W	facetted	WW 2700K	1/10V	TS 658	1T3262D
18W	facetted	WW 2700K	DALI	TS 658	1T3262DA
18W	facetted	WW 3000K	electronic	TS 658	1T2940EL
18W	facetted	WW 3000K	1/10V	TS 658	1T2940D
18W	facetted	WW 3000K	DALI	TS 658	1T2940DA
18W	facetted	NW 4000K	electronic	TS 658	1T2941EL
18W	facetted	NW 4000K	1/10V	TS 658	1T2941D
18W	facetted	NW 4000K	DALI	TS 658	1T2941DA
18W	matt	WW 2700K	electronic	TS 657	1T3264EL
18W	matt	WW 2700K	1/10V	TS 657	1T3264D
18W	matt	WW 2700K	DALI	TS 657	1T3264DA
18W	matt	WW 3000K	electronic	TS 657	1T2944EL
18W	matt	WW 3000K	1/10V	TS 657	1T2944D
18W	matt	WW 3000K	DALI	TS 657	1T2944DA
18W	matt	NW 4000K	electronic	TS 657	1T2945EL
18W	matt	NW 4000K	1/10V	TS 657	1T2945D
18W	matt	NW 4000K	DALI	TS 657	1T2945DA
25W	facetted	WW 2700K	electronic	TS 653	1T3263EL
25W	facetted	WW 2700K	1/10V	TS 653	1T3263D
25W	facetted	WW 2700K	DALI	TS 653	1T3263DA
25W	facetted	WW 3000K	electronic	TS 653	1T2942EL
25W	facetted	WW 3000K	1/10V	TS 653	1T2942D
25W	facetted	WW 3000K	DALI	TS 653	1T2942DA
25W	facetted	NW 4000K	electronic	TS 653	1T2943EL
25W	facetted	NW 4000K	1/10V	TS 653	1T2943D
25W	facetted	NW 4000K	DALI	TS 653	1T2943DA
25W	matt	WW 2700K	electronic	TS 654	1T3265EL
25W	matt	WW 2700K	1/10V	TS 654	1T3265D
25W	matt	WW 2700K	DALI	TS 654	1T3265DA
25W	matt	WW 3000K	electronic	TS 654	1T2946EL
25W	matt	WW 3000K	1/10V	TS 654	1T2946D
25W	matt	WW 3000K	DALI	TS 654	1T2946DA
25W	matt	NW 4000K	electronic	TS 654	1T2947EL
25W	matt	NW 4000K	1/10V	TS 654	1T2947D
25W	matt	NW 4000K	DALI	TS 654	1T2947DA

Emergency kit

CODE

Emergency + battery pack 3h

[1T3144](#)

TECH

LED recessed downlight. Die cast aluminium body and heat sink, black painted. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Optic system consisting of a double reflector: primary internal faceted optic for low luminance emission with outer matt diffusive treatment, secondary faceted or smooth matt finish reflector. Polycarbonate micro-prismatic refractor. The fixture is suitable for installation in workplaces, in compliance with European standard EN-12464 (UGR<19). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. For installation in concrete wall or ceiling, to be completed with the special plate available as an accessory. To be completed with decorative ring. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 659	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1978 lm	2071 lm	2139 lm
	EFFICACY	90 lm/W	94 lm/W	97 lm/W
	IMAX	1737 cd	1848 cd	1903 cd

TS 660	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1978 lm	2071 lm	2139 lm
	EFFICACY	90 lm/W	94 lm/W	97 lm/W
	IMAX	1708 cd	1817 cd	1871 cd

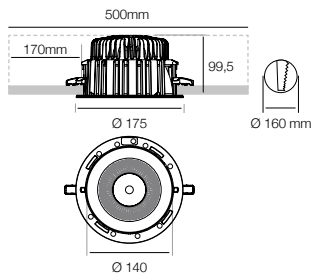
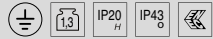
TS 656	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2630 lm	2753 lm	2844 lm
	EFFICACY	88 lm/W	92 lm/W	95 lm/W
	IMAX	2310 cd	2457 cd	2531 cd







































TS 655	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2630 lm	2753 lm	2844 lm
	EFFICACY	88 lm/W	92 lm/W	95 lm/W
	IMAX	2271 cd	2416 cd	2488 cd

RINGS

	Squared ring with silk screen printed	White	1T2939		White	1T2933
					Black	
	Squared ring	White	1T2935		White	1T2934
					Black	
	Plaster ring*	White	1T4213			

*To be completed with decorative ring.



LED 	OPTIC	LED COLOR	POWER SUPPLY		CODE.
18W	faceted	 2700K	electronic	TS 660	1T3256EL
18W	faceted	 2700K	1/10V	TS 660	1T3256D
18W	faceted	 2700K	DALI	TS 660	1T3256DA
18W	faceted	 3000K	electronic	TS 660	1T2921EL
18W	faceted	 3000K	1/10V	TS 660	1T2921D
18W	faceted	 3000K	DALI	TS 660	1T2921DA
18W	faceted	 4000K	electronic	TS 660	1T2922EL
18W	faceted	 4000K	1/10V	TS 660	1T2922D
18W	faceted	 4000K	DALI	TS 660	1T2922DA
18W	matt	 2700K	electronic	TS 659	1T3258EL
18W	matt	 2700K	1/10V	TS 659	1T3258D
18W	matt	 2700K	DALI	TS 659	1T3258DA
18W	matt	 3000K	electronic	TS 659	1T2925EL
18W	matt	 3000K	1/10V	TS 659	1T2925D
18W	matt	 3000K	DALI	TS 659	1T2925DA
18W	matt	 4000K	electronic	TS 659	1T2926EL
18W	matt	 4000K	1/10V	TS 659	1T2926D
18W	matt	 4000K	DALI	TS 659	1T2926DA
25W	faceted	 2700K	electronic	TS 655	1T3257EL
25W	faceted	 2700K	1/10V	TS 655	1T3257D
25W	faceted	 2700K	DALI	TS 655	1T3257DA
25W	faceted	 3000K	electronic	TS 655	1T2923EL
25W	faceted	 3000K	1/10V	TS 655	1T2923D
25W	faceted	 3000K	DALI	TS 655	1T2923DA
25W	faceted	 4000K	electronic	TS 655	1T2924EL
25W	faceted	 4000K	1/10V	TS 655	1T2924D
25W	faceted	 4000K	DALI	TS 655	1T2924DA
25W	matt	 2700K	electronic	TS 656	1T3259EL
25W	matt	 2700K	1/10V	TS 656	1T3259D
25W	matt	 2700K	DALI	TS 656	1T3259DA
25W	matt	 3000K	electronic	TS 656	1T2927EL
25W	matt	 3000K	1/10V	TS 656	1T2927D
25W	matt	 3000K	DALI	TS 656	1T2927DA
25W	matt	 4000K	electronic	TS 656	1T2928EL
25W	matt	 4000K	1/10V	TS 656	1T2928D
25W	matt	 4000K	DALI	TS 656	1T2928DA



Emergency kit

CODE

Emergency + battery pack 3h

[1T3144](#)

Installation accessories See page 48

TECH

Trimless recessed LED downlight for plasterboard.

Anodised die cast aluminium body white painted and black painted die cast dissipator. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Optic system consisting of a double reflector: primary internal polished faceted optic for low luminance emission with outer matt diffusive treatment, secondary polished faceted or smooth matt finishing reflector for a decorative luminous effect. Polycarbonate micropismatic refractor. The fixture is suitable for installation in workplaces, conforms to European standard EN12464-1 (UGR<19). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



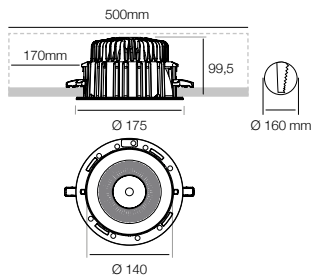
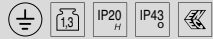
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com






































TS 659	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1978 lm	2071 lm	2139 lm
	EFFICACY	90 lm/W	94 lm/W	97 lm/W
	IMAX	1737 cd	1848 cd	1903 cd

TS 660	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1978 lm	2071 lm	2139 lm
	EFFICACY	90 lm/W	94 lm/W	97 lm/W
	IMAX	1708 cd	1817 cd	1871 cd

TS 656	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2630 lm	2753 lm	2844 lm
	EFFICACY	88 lm/W	92 lm/W	95 lm/W
	IMAX	2310 cd	2457 cd	2531 cd

TS 655	FIXTURE POWER			
	30W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3201 lm	3351 lm	3462 lm
	FIXTURE FLUX	2630 lm	2753 lm	2844 lm
	EFFICACY	88 lm/W	92 lm/W	95 lm/W
	IMAX	2271 cd	2416 cd	2488 cd



LED 	OPTIC	LED COLOR	POWER SUPPLY		CODE.
18W	faceted	 2700K	electronic	TS 660	1T3266EL
18W	faceted	 2700K	1/10V	TS 660	1T3266D
18W	faceted	 2700K	DALI	TS 660	1T3266DA
18W	faceted	 3000K	electronic	TS 660	1T2948EL
18W	faceted	 3000K	1/10V	TS 660	1T2948D
18W	faceted	 3000K	DALI	TS 660	1T2948DA
18W	faceted	 4000K	electronic	TS 660	1T2949EL
18W	faceted	 4000K	1/10V	TS 660	1T2949D
18W	faceted	 4000K	DALI	TS 660	1T2949DA
18W	matt	 2700K	electronic	TS 659	1T3268EL
18W	matt	 2700K	1/10V	TS 659	1T3268D
18W	matt	 2700K	DALI	TS 659	1T3268DA
18W	matt	 3000K	electronic	TS 659	1T2952EL
18W	matt	 3000K	1/10V	TS 659	1T2952D
18W	matt	 3000K	DALI	TS 659	1T2952DA
18W	matt	 4000K	electronic	TS 659	1T2953EL
18W	matt	 4000K	1/10V	TS 659	1T2953D
18W	matt	 4000K	DALI	TS 659	1T2953DA
25W	faceted	 2700K	electronic	TS 655	1T3267EL
25W	faceted	 2700K	1/10V	TS 655	1T3267D
25W	faceted	 2700K	DALI	TS 655	1T3267DA
25W	faceted	 3000K	electronic	TS 655	1T2950EL
25W	faceted	 3000K	1/10V	TS 655	1T2950D
25W	faceted	 3000K	DALI	TS 655	1T2950DA
25W	faceted	 4000K	electronic	TS 655	1T2951EL
25W	faceted	 4000K	1/10V	TS 655	1T2951D
25W	faceted	 4000K	DALI	TS 655	1T2951DA
25W	matt	 2700K	electronic	TS 656	1T3269EL
25W	matt	 2700K	1/10V	TS 656	1T3269D
25W	matt	 2700K	DALI	TS 656	1T3269DA
25W	matt	 3000K	electronic	TS 656	1T2954EL
25W	matt	 3000K	1/10V	TS 656	1T2954D
25W	matt	 3000K	DALI	TS 656	1T2954DA
25W	matt	 4000K	electronic	TS 656	1T2955EL
25W	matt	 4000K	1/10V	TS 656	1T2955D
25W	matt	 4000K	DALI	TS 656	1T2955DA

Emergency kit	CODE
Emergency + battery pack 3h	1T3144

FEEL

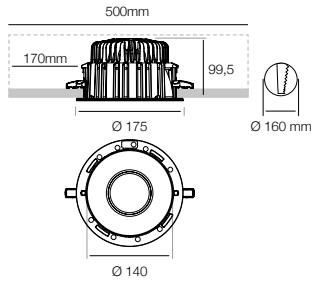
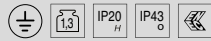
LED recessed downlight. Die cast aluminium body and heat sink, black painted. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Optic system consisting of a flood precision reflector available in faceted version or smooth matt finish with high reflectance; a micro-prismatic refractor and a metallised parabolic cusp with complete shielding plate for a totally indirect light emission. The fixture is suitable for installation in workplaces with videoterminals compliant to European standard UNI EN-12464 (UGR<19). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. For installation in concrete wall or ceiling, to be completed with the special plate available as an accessory. To be completed with decorative ring. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 662	FIXTURE POWER			
	22W			
<p>LED $I_{max} 501 \text{ cd/Klm}$ $\alpha=73^\circ$</p>	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1510 lm	1581 lm	1633 lm
	EFFICACY	69 lm/W	72 lm/W	74 lm/W
	IMAX	1207 cd	1264 cd	1306 cd

TS 663	FIXTURE POWER			
	22W			
<p>LED $I_{max} 415 \text{ cd/Klm}$ $\alpha=70^\circ$</p>	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1346 lm	1409 lm	1455 lm
	EFFICACY	61 lm/W	64 lm/W	66 lm/W
	IMAX	998 cd	1045 cd	1079 cd






LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
18W	facetted	WW 2700K	electronic	TS 662	1T3260EL
18W	facetted	WW 2700K	1/10V	TS 662	1T3260D
18W	facetted	WW 2700K	DALI	TS 662	1T3260DA
18W	facetted	WW 3000K	electronic	TS 662	1T2929EL
18W	facetted	WW 3000K	1/10V	TS 662	1T2929D
18W	facetted	WW 3000K	DALI	TS 662	1T2929DA
18W	facetted	NW 4000K	electronic	TS 662	1T2930EL
18W	facetted	NW 4000K	1/10V	TS 662	1T2930D
18W	facetted	NW 4000K	DALI	TS 662	1T2930DA
18W	matt	WW 2700K	electronic	TS 663	1T3261EL
18W	matt	WW 2700K	1/10V	TS 663	1T3261D
18W	matt	WW 2700K	DALI	TS 663	1T3261DA
18W	matt	WW 3000K	electronic	TS 663	1T2931EL
18W	matt	WW 3000K	1/10V	TS 663	1T2931D
18W	matt	WW 3000K	DALI	TS 663	1T2931DA
18W	matt	NW 4000K	electronic	TS 663	1T2932EL
18W	matt	NW 4000K	1/10V	TS 663	1T2932D
18W	matt	NW 4000K	DALI	TS 663	1T2932DA



Emergency kit	CODE
Emergency + battery pack 3h	1T3144

Installation accessories See page 48

RINGS					
	Squared ring with silk screen printed	White	1T2939		White 1T2933
					Black 1T3529
	Squared ring	White	1T2935		White 1T4213
		Black	1T3530		

*To be completed with decorative ring.

FEEL

Trimless recessed LED downlight for plasterboard.

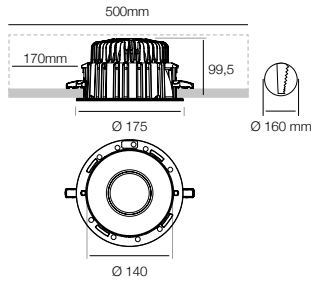
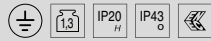
Anodised die cast aluminium body white painted and black painted die cast dissipator. High emission warm white (2700K and 3000K) or neutral white (4000K) LED with Ra 84; Ra 97 on request. Optic system consisting of a flood precision reflector available in polished faceted version or smooth matt finishing with high reflectance, microprismatic refractor and shielding plate for a totally indirect emission. The fixture is suitable for installation in workplaces with videoterminals compliant to European standard EN12464-1 (UGR<19). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 662	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1510 lm	1581 lm	1633 lm
	EFFICACY	69 lm/W	72 lm/W	74 lm/W
	IMAX	1207 cd	1264 cd	1306 cd

TS 663	FIXTURE POWER			
	22W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2408 lm	2521 lm	2604 lm
	FIXTURE FLUX	1346 lm	1409 lm	1455 lm
	EFFICACY	61 lm/W	64 lm/W	66 lm/W
	IMAX	998 cd	1045 cd	1079 cd



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
18W	facetted	WW 2700K	electronic	TS 662	1T3270EL
18W	facetted	WW 2700K	1/10V	TS 662	1T3270D
18W	facetted	WW 2700K	DALI	TS 662	1T3270DA
18W	facetted	WW 3000K	electronic	TS 662	1T2956EL
18W	facetted	WW 3000K	1/10V	TS 662	1T2956D
18W	facetted	WW 3000K	DALI	TS 662	1T2956DA
18W	facetted	NW 4000K	electronic	TS 662	1T2957EL
18W	facetted	NW 4000K	1/10V	TS 662	1T2957D
18W	facetted	NW 4000K	DALI	TS 662	1T2957DA
18W	matt	WW 2700K	electronic	TS 663	1T3271EL
18W	matt	WW 2700K	1/10V	TS 663	1T3271D
18W	matt	WW 2700K	DALI	TS 663	1T3271DA
18W	matt	WW 3000K	electronic	TS 663	1T2958EL
18W	matt	WW 3000K	1/10V	TS 663	1T2958D
18W	matt	WW 3000K	DALI	TS 663	1T2958DA
18W	matt	NW 4000K	electronic	TS 663	1T2959EL
18W	matt	NW 4000K	1/10V	TS 663	1T2959D
18W	matt	NW 4000K	DALI	TS 663	1T2959DA

Emergency kit

Emergency + battery pack 3h

CODE

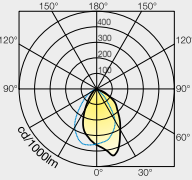
[1T3144](#)

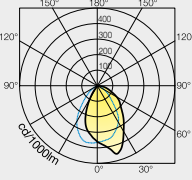
WALL WASHER

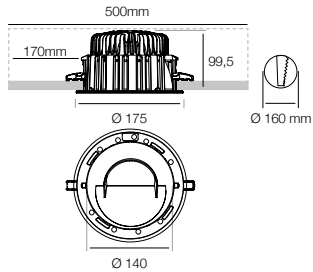
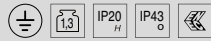
Recessed wall washer LED downlight. Black painted die-cast aluminium body and heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra 84; Ra 97 on request. Wall washer optic. Ultra rapid tool-free mounting system for false ceiling installations from 0,5 to 30mm. For installation in concrete wall or ceiling, to be completed with the special plate available as an accessory. To be completed with decorative ring. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 722	FIXTURE POWER			
	25W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2824 lm	2957 lm	3055 lm
	FIXTURE FLUX	1664 lm	1742 lm	1800 lm
	EFFICACY	66 lm/W	70 lm/W	72 lm/W
	IMAX	1207 cd	1264 cd	1306 cd

TS 723	FIXTURE POWER			
	37W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3803 lm	3981 lm	4113 lm
	FIXTURE FLUX	2240 lm	2345 lm	2423 lm
	EFFICACY	60 lm/W	63 lm/W	65 lm/W
	IMAX	1626 cd	1702 cd	1758 cd



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
21W	Wall Washer	ww 2700K	electronic	TS 722	1T3368EL
21W	Wall Washer	ww 2700K	1/10V	TS 722	1T3368D
21W	Wall Washer	ww 2700K	DALI	TS 722	1T3368DA
21W	Wall Washer	ww 3000K	electronic	TS 722	1T3369EL
21W	Wall Washer	ww 3000K	1/10V	TS 722	1T3369D
21W	Wall Washer	ww 3000K	DALI	TS 722	1T3369DA
21W	Wall Washer	nw 4000K	electronic	TS 722	1T3370EL
21W	Wall Washer	nw 4000K	1/10V	TS 722	1T3370D
21W	Wall Washer	nw 4000K	DALI	TS 722	1T3370DA
33W	Wall Washer	ww 2700K	electronic	TS 723	1T3371EL
33W	Wall Washer	ww 2700K	1/10V	TS 723	1T3371D
33W	Wall Washer	ww 2700K	DALI	TS 723	1T3371DA
33W	Wall Washer	ww 3000K	electronic	TS 723	1T3372EL
33W	Wall Washer	ww 3000K	1/10V	TS 723	1T3372D
33W	Wall Washer	ww 3000K	DALI	TS 723	1T3372DA
33W	Wall Washer	nw 4000K	electronic	TS 723	1T3373EL
33W	Wall Washer	nw 4000K	1/10V	TS 723	1T3373D
33W	Wall Washer	nw 4000K	DALI	TS 723	1T3373DA



Emergency kit	CODE
Emergency + battery pack 3h	1T3144

Installation accessories See page 48

RINGS



Rounded ring

White

[1T2933](#)

Black

[1T3529](#)



Squared ring

White

[1T2935](#)

Black

[1T3530](#)



Plaster ring*

White

[1T4213](#)

*To be completed with decorative ring.

WALL WASHER

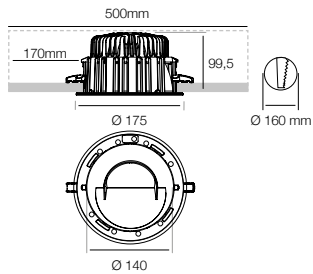
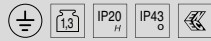
Trimless recessed wall washer LED downlight for plasterboard false ceilings. White anodised die-cast aluminium body and black painted die-cast aluminium heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra 84; Ra 97 on request. Wall washer optic. Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 722	FIXTURE POWER			
	25W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	2824 lm	2957 lm	3055 lm
	FIXTURE FLUX	1664 lm	1742 lm	1800 lm
	EFFICACY	66 lm/W	70 lm/W	72 lm/W
	IMAX	1207 cd	1264 cd	1306 cd

TS 723	FIXTURE POWER			
	37W			
	KELVIN	2700K	3000K	4000K
	LED FLUX	3803 lm	3981 lm	4113 lm
	FIXTURE FLUX	2240 lm	2345 lm	2423 lm
	EFFICACY	60 lm/W	63 lm/W	65 lm/W
	IMAX	1626 cd	1702 cd	1758 cd



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
21W	Wall Washer	WW 2700K	electronic	TS 722	1T3374EL
21W	Wall Washer	WW 2700K	1/10V	TS 722	1T3374D
21W	Wall Washer	WW 2700K	DALI	TS 722	1T3374DA
21W	Wall Washer	WW 3000K	electronic	TS 722	1T3375EL
21W	Wall Washer	WW 3000K	1/10V	TS 722	1T3375D
21W	Wall Washer	WW 3000K	DALI	TS 722	1T3375DA
21W	Wall Washer	NW 4000K	electronic	TS 722	1T3376EL
21W	Wall Washer	NW 4000K	1/10V	TS 722	1T3376D
21W	Wall Washer	NW 4000K	DALI	TS 722	1T3376DA
33W	Wall Washer	WW 2700K	electronic	TS 723	1T3377EL
33W	Wall Washer	WW 2700K	1/10V	TS 723	1T3377D
33W	Wall Washer	WW 2700K	DALI	TS 723	1T3377DA
33W	Wall Washer	WW 3000K	electronic	TS 723	1T3378EL
33W	Wall Washer	WW 3000K	1/10V	TS 723	1T3378D
33W	Wall Washer	WW 3000K	DALI	TS 723	1T3378DA
33W	Wall Washer	NW 4000K	electronic	TS 723	1T3379EL
33W	Wall Washer	NW 4000K	1/10V	TS 723	1T3379D
33W	Wall Washer	NW 4000K	DALI	TS 723	1T3379DA

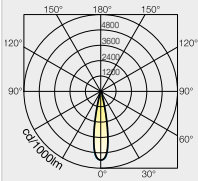
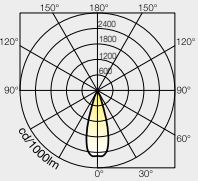
Emergency kit	CODE
Emergency + battery pack 3h	1T3144

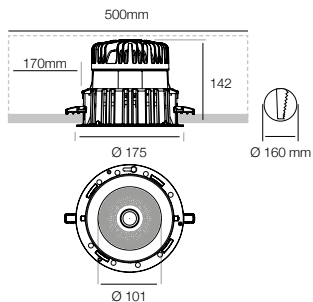
DEEP

Low luminance recessed LED downlight. Black painted die-cast aluminium body and heat sink. Black polycarbonate interface. Warm white (3000K) or neutral white (4000K) high output LED with Ra 84; Ra 97 on request. Optical system consists of lower reflector made of matt metallised polycarbonate and precision low luminance optic with convex facets made of metallised polycarbonate with reflectancy "Scratch Proof Formula" treatment and high level mirror effect available in Spot and Flood versions. (UGR<19). Ultra rapid tool-free mounting system for false ceiling installations from 0,5 to 30mm. To be completed with decorative ring. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.

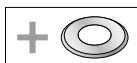


The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 708		FIXTURE POWER		37W		TS 709		FIXTURE POWER		37W	
 <p>LED I_{max} 5597 cd/Klm $\alpha=21^\circ$</p>	KELVIN	3000K	4000K	 <p>LED I_{max} 2537 cd/Klm $\alpha=33^\circ$</p>	KELVIN	3000K	4000K				
	LED FLUX	3981 lm	4113 lm		LED FLUX	3981 lm	4113 lm				
	FIXTURE FLUX	3162 lm	3267 lm		FIXTURE FLUX	3091 lm	3194 lm				
	EFFICACY	85 lm/W	88 lm/W		EFFICACY	83 lm/W	86 lm/W				
	IMAX	22283 cd	23022 cd		IMAX	10100 cd	10435 cd				



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
33W	SP	WW 3000K	electronic	TS 708	1T3157EL
33W	SP	WW 3000K	1/10V	TS 708	1T3157D
33W	SP	WW 3000K	DALI	TS 708	1T3157DA
33W	SP	NW 4000K	electronic	TS 708	1T3158EL
33W	SP	NW 4000K	1/10V	TS 708	1T3158D
33W	SP	NW 4000K	DALI	TS 708	1T3158DA
33W	FL	WW 3000K	electronic	TS 709	1T3159EL
33W	FL	WW 3000K	1/10V	TS 709	1T3159D
33W	FL	WW 3000K	DALI	TS 709	1T3159DA
33W	FL	NW 4000K	electronic	TS 709	1T3160EL
33W	FL	NW 4000K	1/10V	TS 709	1T3160D
33W	FL	NW 4000K	DALI	TS 709	1T3160DA



Emergency kit

CODE

Emergency + battery pack 3h

[1T3144](#)

Installation accessories See page 48

RINGS

	Squared ring with silk screen printed	White	1T2939		White	1T2933
					Black	1T3529
	Squared ring	White	1T2935		White	1T2934
		Black	1T3530		Black	1T3531
					White	1T4213

*To be completed with decorative ring.

INSTALLATION ACCESSORIES

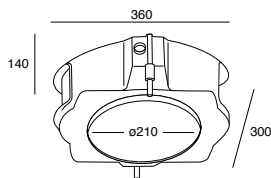


Plate for concrete installation*

Polycarbonate box to be used for installation in brick or reinforced concrete walls and ceilings. To be completed with the plate for the driver and the special grid.

1T2960

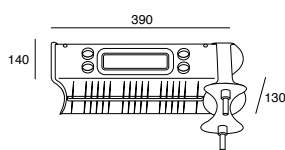
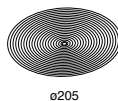


Plate for concrete installation of the external driver*

Polycarbonate box for the housing of the external driver to be used together with the plate for concrete installation in brick or reinforced concrete ceilings and walls.

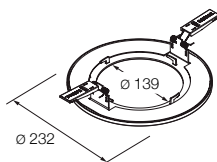
1T2961



Installation grid*

Polycarbonate radial grid painted in white for installation of the fixture in the dedicated plate. The special rings shape of the grid allows simple and safe plastering of the fixture.

1T2962



Retrofit kit for CCTLed Classic**

Outer ring in white polycarbonate with bayonet locking system. Suitable for recessing holes between 190 and 215mm. Metal body complete with rapid mounting system for false ceilings between 1 and 25mm thick. The accessory is not compatible with the decorative rings available for CCTLed.

1T3725



IP54 ring**

Squared ring with transparent screen

1T2937

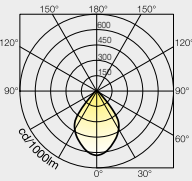
* Accessories not compatible with the DEEP and Trimless versions. ** Accessories not compatible with the Trimless versions.

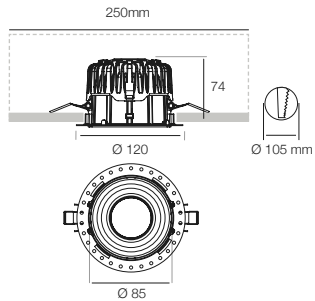
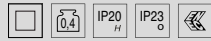


LED recessed downlight. Nylon body and black painted die cast aluminium dissipator. High emission warm white (3000K) or neutral white (4000K) LED with Ra 84. WFL OPTIC available in smooth matt finishing with high reflectance. Microprismatic refractor. Ultra rapid no tools lock mounting system for false ceiling installation from 0,5 to 25mm. Passive dissipation system. Designed for trimless installations in plasterboard false ceilings or with a decorative ring accessory for standard installations. Electronic, electronic and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 908	FIXTURE POWER	14W		20W	
		3000K	4000K	3000K	4000K
 <p>LED $I_{max} 615 \text{ cd/Klm}$ $\alpha = 75^\circ$</p>	KELVIN	3000K	4000K	3000K	4000K
	LED FLUX	1804 lm	1864 lm	2456 lm	2537 lm
	FIXTURE FLUX	1387 lm	1433 lm	1889 lm	1951 lm
	EFFICACY	99 lm/W	102 lm/W	94 lm/W	97 lm/W
	IMAX	1108 cd	1145 cd	1509 cd	1559 cd



LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
12W	WFL	WW 3000K	electronic	TS 908	1T4821EL
12W	WFL	NW 4000K	electronic	TS 908	1T4822EL
17W	WFL	WW 3000K	electronic	TS 908	1T4823EL
17W	WFL	NW 4000K	electronic	TS 908	1T4824EL
12W	WFL	WW 3000K	DALI	TS 908	1T4821DA
12W	WFL	NW 4000K	DALI	TS 908	1T4822DA
17W	WFL	WW 3000K	DALI	TS 908	1T4823DA
17W	WFL	NW 4000K	DALI	TS 908	1T4824DA

Accessory for trimless inspectable installation



Secondary reflectors	Color	CODE
	White	1T5242
	Black	1T5243
	Grey	1T5244
	Gold	1T5245
	Copper	1T5246

Emergency kit

Emergency kit	CODE
Emergency + battery pack 3h	1T3144

RINGS



Round ring	Color	CODE
	White	1T4696
	Black	1T4697



Sqaured ring	Color	CODE
	White	1T4698
	Black	1T4699



Round ring (IP54)	Color	CODE
	White	1T4704
	Black	1T4705

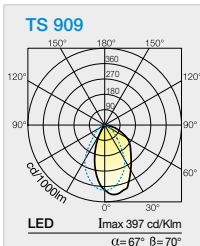
WALL WASHER

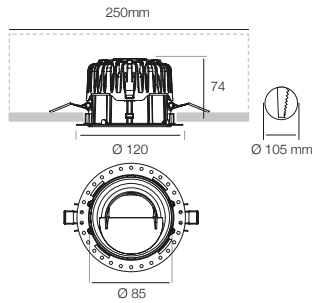
Recessed wall washer LED downlight. Nylon body and black painted die-cast aluminium heat sink. Warm white (3000K) or neutral white (4000K) high output LED with Ra 84. Wall washer optic. Ultra rapid tool-free mounting system for false ceiling installations from 0,5 to 25mm. Passive dissipation system. Designed for trimless installations in plasterboard false ceilings or with a decorative ring accessory for standard installations. Electronic and DALI dimmable driver included. Emergency kit with 3h battery.



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 909	14W		20W	
	3000K	4000K	3000K	4000K
KELVIN	3000K	4000K	3000K	4000K
LED FLUX	1804 lm	1864 lm	2456 lm	2537 lm
FIXTURE FLUX	974 lm	1007 lm	1326 lm	1370 lm
EFFICACY	70 lm/W	72 lm/W	66 lm/W	68 lm/W
IMAX	717 cd	741 cd	976 cd	1008 cd





LED	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
12W	WW	WW 3000K	electronic	TS 909	1T4825EL
12W	WW	NW 4000K	electronic	TS 909	1T4826EL
17W	WW	WW 3000K	electronic	TS 909	1T4827EL
17W	WW	NW 4000K	electronic	TS 909	1T4828EL
12W	WW	WW 3000K	DALI	TS 909	1T4825DA
12W	WW	NW 4000K	DALI	TS 909	1T4826DA
17W	WW	WW 3000K	DALI	TS 909	1T4827DA
17W	WW	NW 4000K	DALI	TS 909	1T4828DA

Accessory for trimless inspectable installation



Secondary reflectors	Color	CODE
	White	1T5242
	Black	1T5243
	Grey	1T5244
	Gold	1T5245
	Copper	1T5246

Emergency kit

Emergency kit	CODE
Emergency + battery pack 3h	1T3144

RINGS



Round ring	Color	CODE
	White	1T4696
	Black	1T4697



Sqaured ring	Color	CODE
	White	1T4698
	Black	1T4699



Round ring (IP54)	Color	CODE
	White	1T4704
	Black	1T4705

CCT FLASH

RECESSED DOWNLIGHT FOR COMPACT, ENERGY-SAVING, FLUORESCENT LAMPS



OFFICE LIGHTING

Low-luminance controlled optics, especially designed for illuminating offices equipped with video terminals which require luminance and UGR values in compliance with the EN 12464-1 standard.





INNUMERABLE VERSIONS

CCT FLASH has always been an intelligent, reliable, high performance light fixture. It has versions to meet every need: from simple task lighting to more sophisticated versions for the office.

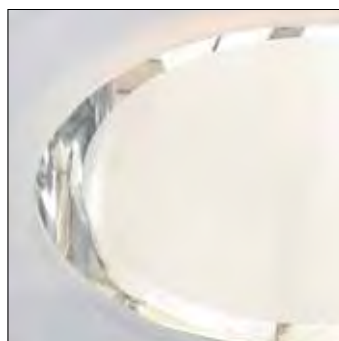


CCT FLASH



WIDE RANGE OF ACCESSORIES

Metal decorative rings finished in faceted chrome, brushed aluminium and steel, as well as coloured sanded polycarbonate, allow all CCT versions to be integrated into any architectural context. When installed together with a flush glass, the fixture obtains a protection rating of IP44.



MULTIPLE EFFECTS

A large variety of lighting effects thanks to the possibility of installing various accessories: luminance control grids as well as silk-screen printed and sandblasted screens for softly diffusing the light.

PROTECTION RATING UP TO IP54

IP44-rated protection screens, together with the silicone accessories to be applied on the finishing ring, provide the entire range of CCT FLASH fixtures with a protection rating of IP54, making them suitable for installation in all public areas, as well as within covered outdoor areas, thereby guaranteeing increased application flexibility.

IP54

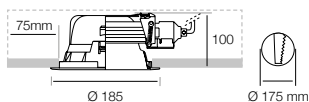
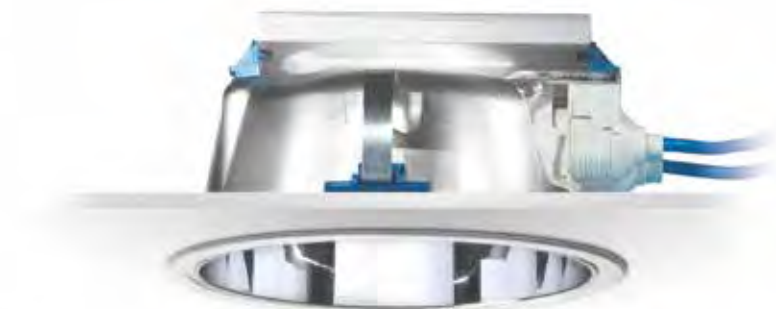


TYPE	LAMP	OPTIC			POWER SUPPLY
		FLOOD	LOW LUMIN.	WALL WASHER	
	TC-TEL	1x 18W 2x 18W 1x 26W 2x 26W 1x 32W 2x 32W 1x 42W 2x 42W			electronic dimmable 1/10V dimmable DALI emergency
	TC-TEL		1x 18W 2x 18W 1x 26W 2x 26W 1x 32W 2x 32W 1x 42W 2x 42W		electronic dimmable 1/10V dimmable DALI emergency
	TC-TEL	1x 18W 2x 18W 1x 26W 2x 26W 1x 32W 2x 32W 1x 42W 2x 42W			electronic dimmable 1/10V dimmable DALI emergency
	TC-DEL			2x 18W 2x 26W	electronic
	TC-DEL			2x 18W 2x 26W	dimmable DALI

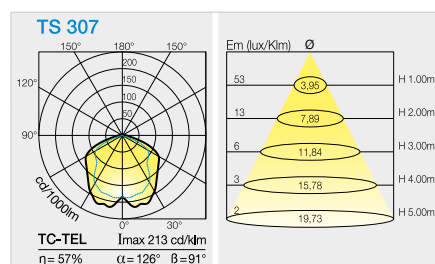
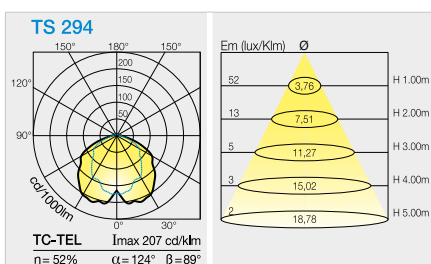
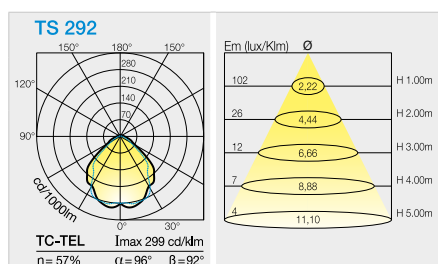
CCT FLASH

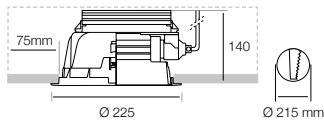
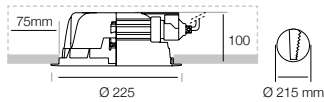
FLOOD

Recessed downlight for compact fluorescent lamps. Body and bezel in white polycarbonate. Flood reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. Rapid mounting system for false ceiling installation. Available with electronic, electronic dimmable 1-10V, digital dimmable DALI and permanent emergency power supplies.



TC-TEL	POWER SUPPLY	WEIGHT	△	CODE
GX24q-2	1x 18W electronic	0,8 Kg	TS 292	54000EL
	1x 18W dimmable 1/10V	0,8 Kg	TS 292	54000D
	1x 18W dimmable DALI	0,8 Kg	TS 292	54000DA
	1x 18W emergency*	2,5 Kg	TS 292	54000H
GX24q-3	1x 26W electronic	0,8 Kg	TS 292	54008EL
	1x 26W dimmable 1/10V	0,8 Kg	TS 292	54008D
	1x 26W dimmable DALI	0,8 Kg	TS 292	54008DA
	1x 26W emergency*	2,5 Kg	TS 292	54008H
GX24q-3/4	1x 32/42W electr. multipower	0,7 Kg	TS 292	54014EL
	1x 32/42W dimmable 1/10V	0,8 Kg	TS 292	54014D
	1x 32/42W dimmable DALI	0,8 Kg	TS 292	54014DA
	1x 32/42W emergency*	2,5 Kg	TS 292	54014H



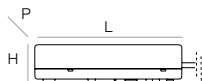


TC-TEL		POWER SUPPLY	WEIGHT	△	CODE
GX24q-2	2x 18W	electronic	0,8 Kg	TS 294	54004EL
	2x 18W	dimnable 1/10V	0,8 Kg	TS 294	54004D
	2x 18W	dimnable DALI	0,8 Kg	TS 294	54004DA
	2x 18W	emergency*	1,8 Kg	TS 294	54004H
GX24q-3	2x 26W	electronic	0,8 Kg	TS 294	54003EL
	2x 26W	dimnable 1/10V	0,8 Kg	TS 294	54003D
	2x 26W	dimnable DALI	0,8 Kg	TS 294	54003DA
	2x 26W	emergency*	1,8 Kg	TS 294	54003H
GX24q-3/4	2x 32/42W	electr. multipower	1,4 Kg	TS 307	54034EL
	2x 32/42W	dimnable 1/10V	1,4 Kg	TS 307	54034D
	2x 32/42W	dimnable DALI	1,4 Kg	TS 307	54034DA
	2x 32/42W	emergency*	2,2 Kg	TS 307	54034H

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

NOTE
CCT FLASH FLOOD when installed together with the low luminance grid the fixture becomes suitable for installation in work environments and conforms to European standard EN 12464-1 (luminance <1000 cd/m² at 65° in all directions, UGR <19) for the illumination of VDU workstations.

POWER SUPPLY INCLUDED (LxHxP)



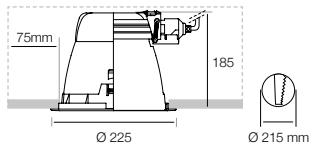
Electronic mono lamp 185x55x95 mm	Dimmable 197x85x115 mm
Electronic 2x18W and 2x26W 197x65x115 mm	Electronic with emergency 197x85x115 mm
Electronic 2x32W and 2x42W 197x85x115 mm	

ACCESSORIES See page 66

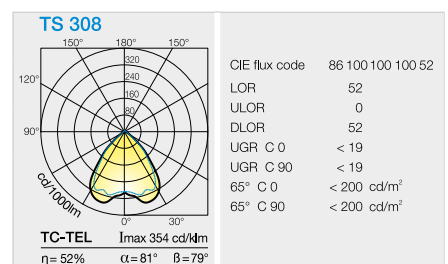
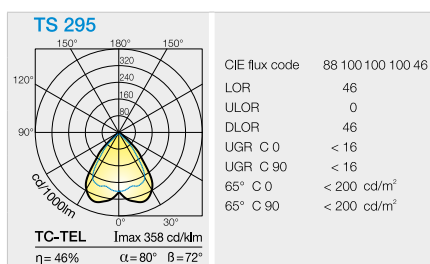
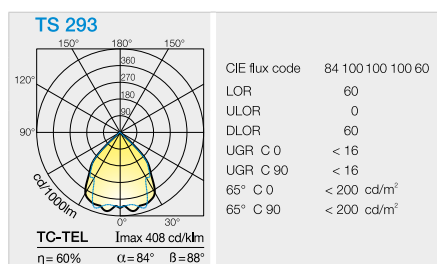
CCT FLASH

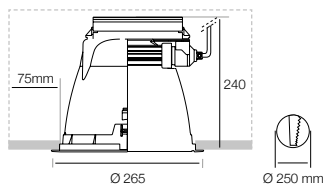
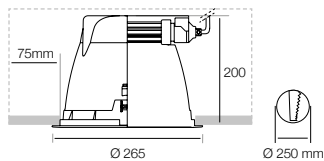
LOW LUMINANCE

Recessed downlight for compact fluorescent lamps. Body and bezel in white polycarbonate. Low luminance reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. Rapid mounting system for false ceiling installation. Available with electronic, electronic dimmable 1-10V, digital dimmable DALI and permanent emergency power supplies.



TC-TEL		POWER SUPPLY	WEIGHT	△	CODE
GX24q-2	1x 18W	electronic	0,8 Kg	TS 293	54002EL
	1x 18W	dimmable 1/10V	0,8 Kg	TS 293	54002D
	1x 18W	dimmable DALI	0,8 Kg	TS 293	54002DA
	1x 18W	emergency*	2,7 Kg	TS 293	54002H
GX24q-3	1x 26W	electronic	0,8 Kg	TS 293	54010EL
	1x 26W	dimmable 1/10V	0,8 Kg	TS 293	54010D
	1x 26W	dimmable DALI	0,8 Kg	TS 293	54010DA
GX24q-3/4	1x 26W	emergency*	2,7 Kg	TS 293	54010H
	1x 32/42W	electr. multipower	0,8 Kg	TS 293	54016EL
	1x 32/42W	dimmable 1/10V	0,8 Kg	TS 293	54016D
GX24q-3/4	1x 32/42W	dimmable DALI	0,8 Kg	TS 293	54016DA
	1x 32/42W	emergency*	2,5 Kg	TS 293	54016H



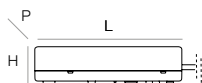


TC-TEL		POWER SUPPLY	WEIGHT		CODE
GX24q-2	2x 18W	electronic	1,3 Kg	TS 295	54006EL
	2x 18W	dimnable 1/10V	1,0 Kg	TS 295	54006D
	2x 18W	dimnable DALI	1,0 Kg	TS 295	54006DA
	2x 18W	emergency*	1,9 Kg	TS 295	54006H
GX24q-3	2x 26W	electronic	1,3 Kg	TS 295	54012EL
	2x 26W	dimnable 1/10V	1,3 Kg	TS 295	54012D
	2x 26W	dimnable DALI	1,3 Kg	TS 295	54012DA
	2x 26W	emergency*	2,3 Kg	TS 295	54012H
GX24q-3/4	2x 32/42W	electr. multipower	1,7 Kg	TS 308	54024EL
	2x 32/42W	dimnable 1/10V	1,8 Kg	TS 308	54024D
	2x 32/42W	dimnable DALI	1,8 Kg	TS 308	54024DA
	2x 32/42W	emergency*	3,1 Kg	TS 308	54024H

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

NOTE
CCT FLASH LOW LUMINANCE is suitable for installation in work environments and conforms to European standard EN 12464-1 (luminance <1000 cd/m² at 65° in all directions, UGR <19) for the illumination of VDU workstations.

POWER SUPPLY INCLUDED (LxHxP)



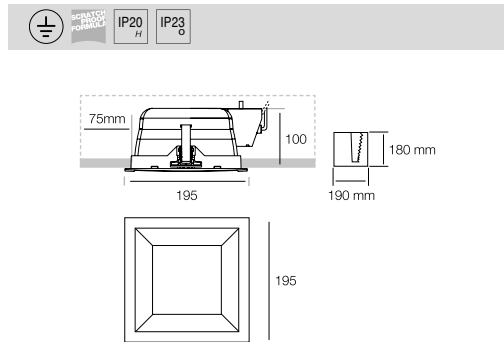
Electronic mono lamp 185x55x95 mm	Dimmable 197x85x115 mm
Electronic 2x18W and 2x26W 197x65x115 mm	Electronic with emergency 197x85x115 mm
Electronic 2x32W and 2x42W 197x85x115 mm	

ACCESSORIES See page 66

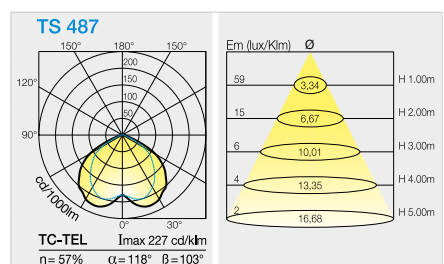
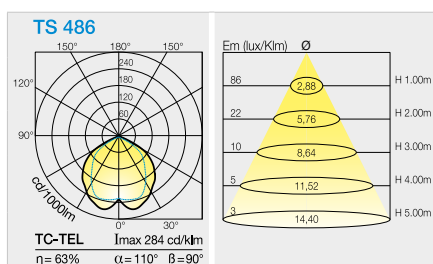
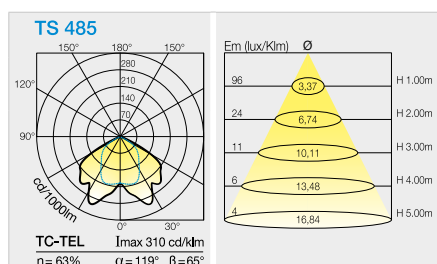
CCT FLASH

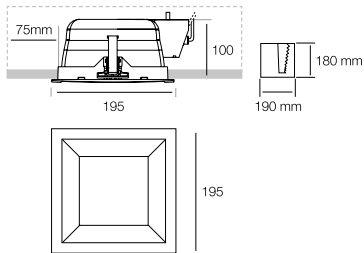
SQUARE

Recessed downlight for compact fluorescent lamps. Body and square bezel in white polycarbonate. Flood reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. Rapid mounting system for false ceiling installation. Available with electronic, analog dimmable electronic 1-10V, digital dimmable DALI and permanent emergency power supplies.



TC-TEL	POWER SUPPLY	WEIGHT	△	CODE
GX24q-2	1x 18W electronic	0,5 Kg	TS 485	1T1215
	1x 18W dimmable 1/10V	1,2 Kg	TS 485	1T1216
	1x 18W dimmable DALI	1,2 Kg	TS 485	1T1216DA
	1x 18W emergency*	2,6 Kg	TS 485	1T1217
GX24q-3	1x 26W electronic	0,5 Kg	TS 485	1T1219
	1x 26W dimmable 1/10V	1,4 Kg	TS 485	1T1220
	1x 26W dimmable DALI	1,4 Kg	TS 485	1T1220DA
	1x 26W emergency*	2,6 Kg	TS 485	1T1221
GX24q-3/4	1x 32/42W electr. multipower	0,5 Kg	TS 485	1T1222
	1x 32/42W dimmable 1/10V	1,6 Kg	TS 485	1T1223
	1x 32/42W dimmable DALI	1,6 Kg	TS 485	1T1223DA
	1x 32/42W emergency*	2,8 Kg	TS 485	1T1224

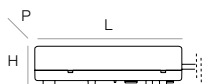




TC-TEL		POWER SUPPLY	WEIGHT	△	CODE
GX24q-2	2x 18W	electronic	0,5 Kg	TS 486	1T1229
	2x 18W	dimnable 1/10V	1,6 Kg	TS 486	1T1230
	2x 18W	dimnable DALI	1,6 Kg	TS 486	1T1230DA
	2x 18W	emergency*	2,6 Kg	TS 486	1T1231
GX24q-3	2x 26W	electronic	0,5 Kg	TS 487	1T1233
	2x 26W	dimnable 1/10V	1,6 Kg	TS 487	1T1234
	2x 26W	dimnable DALI	1,6 Kg	TS 487	1T1234DA
	2x 26W	emergency*	3,0 Kg	TS 487	1T1235
GX24q-3/4	2x 32/42W	electr. multipower	0,5 Kg	TS 487	1T1236
	2x 32/42W	dimnable 1/10V	1,8 Kg	TS 487	1T1237
	2x 32/42W	dimnable DALI	1,8 Kg	TS 487	1T1237DA
	2x 32/42W	emergency*	3,0 Kg	TS 487	1T1238

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

POWER SUPPLY INCLUDED (LxHxP)

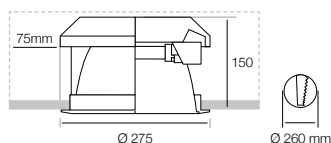


Electronic mono lamp 155x20x40 mm	Dimmable 197x85x115 mm
Electronic 2x18W and 2x26W 155x20x40 mm	Electronic with emergency 197x85x115 mm
Electronic 2x32W and 2x42W 197x85x115 mm	

ACCESSORIES See page 66

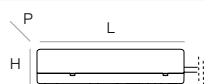
CCT WALL WASHER

Asymmetric recessed downlight for compact fluorescent lamps. White polycarbonate body and die-cast aluminium ring painted white. Metallized polycarbonate asymmetric reflector with highly-reflective "Scratch Proof Formula" lacquering. Rapid mounting system for false ceiling installation. Available with electronic and digital dimmable DALI power supplies.



TC-DEL	POWER SUPPLY	WEIGHT	△	CODE
G24q-2	2x 18W electronic	1,5 Kg	TS 278	46960EL
	2x 18W dimmable DALI	1,5 Kg	TS 278	46960DA
G24q-3	2x 26W electronic	2,1 Kg	TS 278	46970EL
	2x 26W dimmable DALI	2,1 Kg	TS 278	46970DA

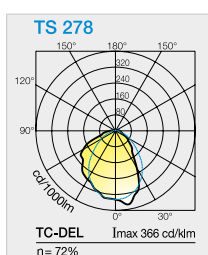
POWER SUPPLY INCLUDED (LxHxP)



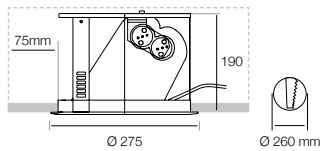
Electronic dual lamp 2x 18/26W 155x20x40 mm

Dimmable 197x85x115 mm

ACCESSORIES See page 66



Asymmetric recessed downlight for compact fluorescent lamps. White polycarbonate body and die-cast aluminium ring painted white. Metallized polycarbonate asymmetric reflector with highly-reflective "Scratch Proof Formula" lacquering. Rapid mounting system for false ceiling installation. Available with electronic and digital dimmable DALI power supplies.



TC-DEL	POWER SUPPLY	WEIGHT	△	CODE
G24q-2	2x 18W electronic	2,9 Kg	TS 277	46980EL
	2x 18W dimmable DALI	2,9 Kg	TS 277	46980DA
G24q-3	2x 26W electronic	3,1 Kg	TS 277	46990EL
	2x 26W dimmable DALI	3,1 Kg	TS 277	46990DA

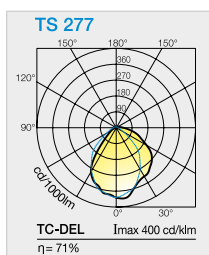
POWER SUPPLY INCLUDED (LxHxP)



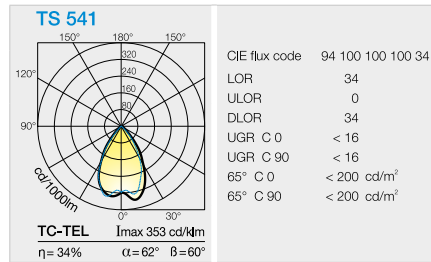
Electronic dual lamp 2x 18/26W 155x20x40 mm

Dimmable 197x85x115 mm

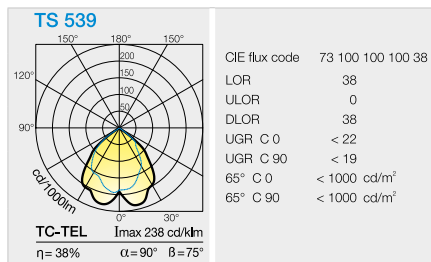
ACCESSORIES See page 66



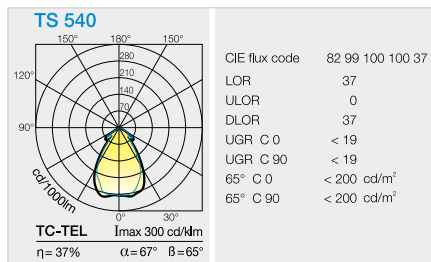
CCT FLASH LOW LUMINANCE with radial grid



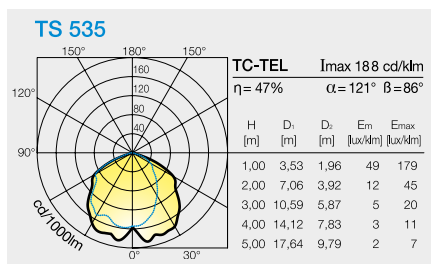
CCT FLASH FLOOD with anti-glare grid



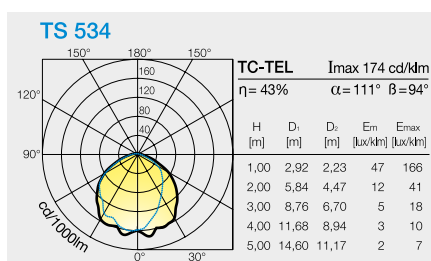
CCT FLASH LOW LUMINANCE with anti-glare grid



CCT FLASH FLOOD with silk screened glass



CCT FLASH FLOOD with sandblasted glass



Tempered glass, flush mounting, silk screen printed or sandblasted at the centre¹.

IP24



Tempered glass, protruded mounting, silk screen printed or sandblasted at the centre.

IP44



Polycarbonate IP44 screen, transparent or sandblasted at the centre².

IP44



Decorative ring made of white or frosted coloured polycarbonate¹.



Decorative ring made of metal with chrome, aluminium and brushed steel finishings³.



Decorative cylindrical component made of transparent sandblasted polycarbonate.

10 cm

Anti-glare grid made of polycarbonate.



Radial anti-glare grid made of polycarbonate for visual comfort.



Refractive screen. Transparent⁴.



Plate for plank ceiling mounting⁵.



IP54 Kit Silicone sealing kit for round ring.

IP54



The IP54 degree of protection is obtained through the combination of the silicone kit with the protective screens IP44.

FLOOD MONOLAMP	FLOOD BILAMP	LOW LUMINANCE MONOLAMP	LOW LUMINANCE MONOLAMP	WALL WASHER
47194 Sandblasted	47293 Silk screened 47294 Sandblasted	47293 Silk screened 47294 Sandblasted	47393 Silk screened 47394 Sandblasted	
47191 Silk screened 47192 Sandblasted	47291 Silk screened 47292 Sandblasted	47291 Silk screened 47292 Sandblasted	47391 Silk screened 47392 Sandblasted	
1T1172 Transparent 1T1244 Sandblasted	1T1173 Transparent 1T1245 Sandblasted	1T1173 Transparent 1T1245 Sandblasted	1T1174 Transparent 1T1246 Sandblasted	
47174 White 47176 Blue	47274 White 47276 Blue	47274 White 47276 Blue	47374 White 47376 Blue	47374 White 47376 Blue
54090 Chrome 54090L Aluminium 1T1462 Brushed steel	54091 Chrome 54091L Aluminium 1T1463 Brushed steel	54091 Chrome 54091L Aluminium 1T1463 Brushed steel	54092 Chrome 54092L Aluminium 1T1464 Brushed steel	54092 Chrome 54092L Aluminium 1T1464 Brushed steel
	47282	47282		
47198	47298	47298	47398	
47261	47262	47262	47263	
54030	54040	54030	54040	
	47382 L=290 mm Ø 212 mm 47385 L=390 mm Ø 212 mm	47382 L=290 mm Ø 212 mm 47385 L=390 mm Ø 212 mm	47383 L=290 mm Ø 252 mm 47386 L=390 mm Ø 252 mm	47383 L=290 mm Ø 252 mm 47386 L=390 mm Ø 252 mm
1T2418	1T2418	1T2418	1T2418	

¹ IP44 protection degree is obtained by combining the decorative ring, made of polycarbonate, and the borosilicate glass.

² Cannot be mounted together with the decorative metal ring.

³ It can only be used together with flush glass.

⁴ Cannot be installed on the 2 x32/42W versions.

⁵ The plates with a side measurement of 290 mm can be installed on planks having a 300 or 100 mm opening and take up the space of 1 or 3 components, respectively. The plates with a side measurement of 390 mm can be installed on planks having a 200 mm opening and take up the space of 2 components.

NO SIGN PLASTERS



Patrizia Pepe Store - Florence, Italy

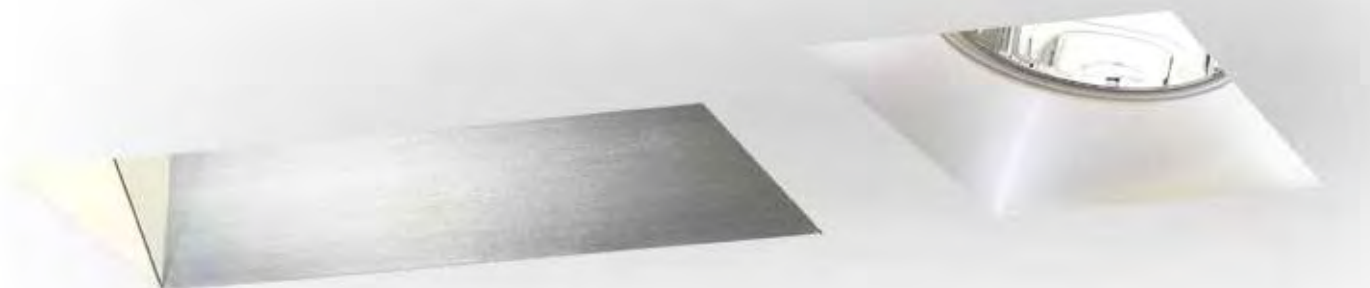
DOWNLIGHT WITH PLASTER FRAME

A series of fixtures designed to blend in with the architecture discreetly illuminating any environment. Each fitting has a plaster frame which is to be plastered to the false ceiling; this frame can either be painted or adorned with typical indoor decorations, thereby completely blending in with the surrounding architecture.



KRIPTON VERSIONS

KRIPTON combines the soft lines of the plaster frame with a series of high performance fixtures able to satisfy any requirement. The core technology is the same as that which is employed for all Targetti fixtures: quality of materials, professional optical systems and a wide selection of sizes, power supplies and light sources. The fixture is available in versions for halogen, metal halide and fluorescent lamps, as well as LEDs. The optics are available in all beam angles, in order to best satisfy every design requirement.



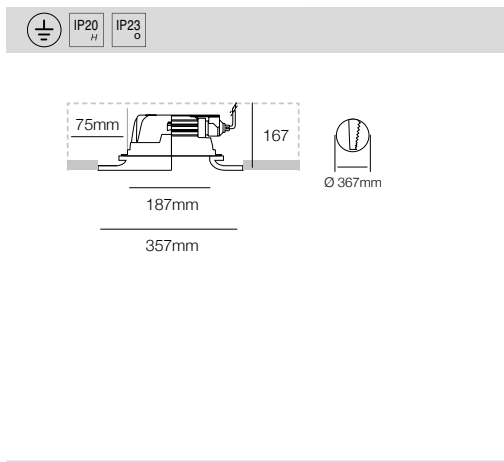
HELIUM VERSIONS

Round recessed fixtures with square and defined edges frames; this is what characterises the HELIUM downlight series. A series of plaster-framed recessed units which maintain all of the performance characteristics of normal downlights, but with an innovative design.

KRIPTON

FLOOD

Recessed downlight for plasterboard false ceilings for compact fluorescent lamps. Body in polycarbonate. Flood reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. To be completed with plaster bezel to be plastered into gypsum-board ceiling. Available with electronic 220/240V, dimmable electronic 1/10V and permanent emergency power supplies.



TC-TEL	POWER SUPPLY	WEIGHT	△	CODE
GX24 q-2	2x18W electronic	1,1 Kg	TS 294	1V7491
	2x18W emergency*	1,3 Kg	TS 294	1V7492
	2x18W dimmable elect.	1,1 Kg	TS 294	1V7493
GX24 q-3	2x26W electronic	1,1 Kg	TS 294	1V7495
	2x26W emergency*	1,3 Kg	TS 294	1V7496
	2x26W dimmable elect.	1,1 Kg	TS 294	1V7497
GX24 q-3/4	2x32/42W electr. multipower	1,1 Kg	TS 307	1V7498
	2x32/42W emergency*	1,3 Kg	TS 307	1V7499
	2x32/42W dimmable elect.	1,1 Kg	TS 307	1V7500

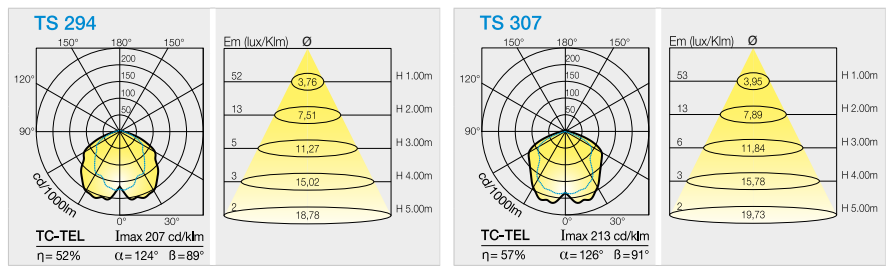


PLASTER	WEIGHT	CODE
	3,6 Kg	1V7543

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

ACCESSORIES

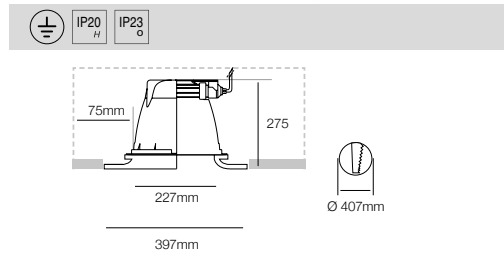
IP43	Glass sandblasted screen	1V7134S
------	--------------------------	-------------------------



LOW LUMINANCE

Recessed low luminance downlight for plasterboard false ceilings for compact fluorescent lamps.

Body in polycarbonate. Flood reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. To be completed with plaster bezel to be plastered into gypsum-board ceiling. Available with electronic 220/240V, dimmable electronic 1/10V and permanent emergency power supplies.



TC-TEL	POWER SUPPLY	WEIGHT	△	CODE
GX24 q-2	2x18W electronic	1,2 Kg	TS 295	1V7505
	2x18W emergency*	1,6 Kg	TS 295	1V7506
	2x18W dimmable elect.	1,2 Kg	TS 295	1V7507
GX24 q-3	2x26W electronic	1,2 Kg	TS 295	1V7509
	2x26W emergency*	1,6 Kg	TS 295	1V7510
	2x26W dimmable elect.	1,2 Kg	TS 295	1V7511
GX24 q-3/4	2x32/42W electr. multipower	1,2 Kg	TS 308	1V7512
	2x32/42W emergency*	1,6 Kg	TS 308	1V7513
	2x32/42W dimmable elect.	1,2 Kg	TS 308	1V7514

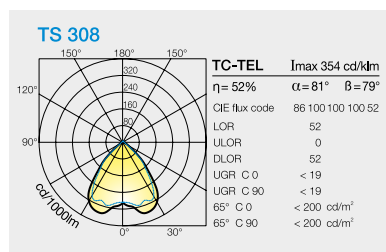
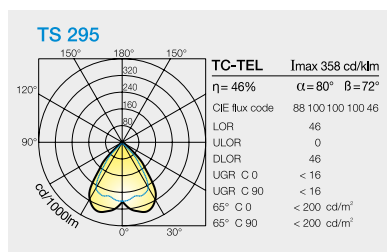


PLASTER	WEIGHT	CODE
	4,4 Kg	1V7544

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

ACCESSORIES

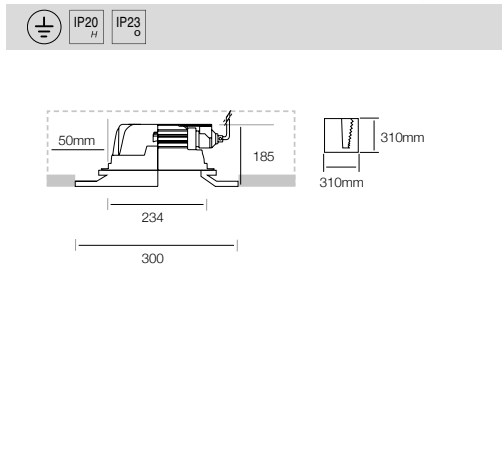
IP43	Glass sandblasted screen	1V7134
------	--------------------------	------------------------



HELIUM

FLOOD

Recessed flood downlight with plaster frame for false ceilings installation for compact fluorescent lamps. Polycarbonate body and plaster frame. Flood reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. To be completed with plaster frame to be plastered to the false-ceiling. Available with electronic, dimmable electronic 1/10V and permanent emergency power supplies. The permanent emergency version is complete with common neutral, this version is available on request with separated neutrals.





TC-TEL	POWER SUPPLY	WEIGHT	△	CODE
GX24 q-2	2x18W electronic	1,1 Kg	TS 294	1V7491
	2x18W emergency*	1,3 Kg	TS 294	1V7492
	2x18W dimmable elect.	1,1 Kg	TS 294	1V7493
GX24 q-3	2x26W electronic	1,1 Kg	TS 294	1V7495
	2x26W emergency*	1,3 Kg	TS 294	1V7496
	2x26W dimmable elect.	1,1 Kg	TS 294	1V7497
GX24 q-3/4	2x32/42W electr. multipower	1,1 Kg	TS 307	1V7498
	2x32/42W emergency*	1,3 Kg	TS 307	1V7499
	2x32/42W dimmable elect.	1,1 Kg	TS 307	1V7500

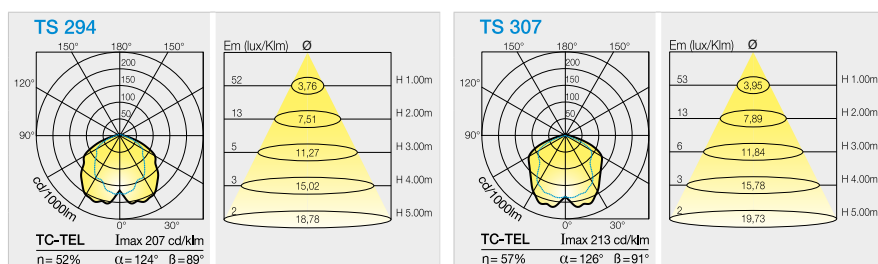


PLASTER	WEIGHT	CODE
	2,7 Kg	1V7404

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

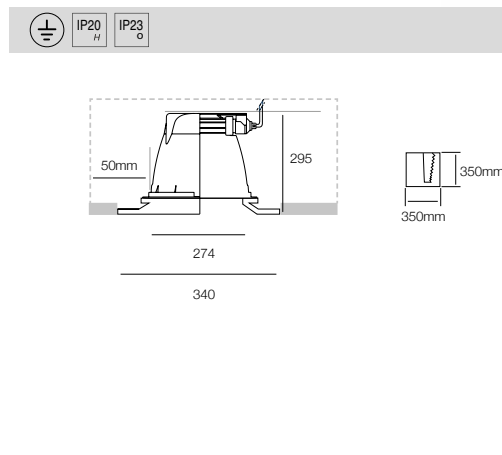
ACCESSORIES

		Glass sandblasted screen	1V7134S
-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	---------------------------------	-------------------------



LOW LUMINANCE

Recessed low luminance downlight with plaster frame for false ceilings installation for compact fluorescent lamps. Polycarbonate body and sharp edges rectangular plaster frame. Low luminance reflector in metallized polycarbonate, with highly-reflective "Scratch Proof Formula" lacquering. To be completed with plaster frame to be plastered to the false-ceiling. Available with integrated electronic, dimmable electronic 1/10V and permanent emergency power supplies. The permanent emergency version is complete with common neutral, this version is also available with separated neutrals on request.



TC-TEL		POWER SUPPLY	WEIGHT	△	CODE
GX24 q-2	2x18W	electronic	1,2 Kg	TS 295	1V7505
	2x18W	emergency*	1,6 Kg	TS 295	1V7506
	2x18W	dimnable elect.	1,2 Kg	TS 295	1V7507
GX24 q-3	2x26W	electronic	1,2 Kg	TS 295	1V7509
	2x26W	emergency*	1,6 Kg	TS 295	1V7510
	2x26W	dimnable elect.	1,2 Kg	TS 295	1V7511
GX24 q-3/4	2x32/42W	electr. multipower	1,2 Kg	TS 308	1V7512
	2x32/42W	emergency*	1,6 Kg	TS 308	1V7513
	2x32/42W	dimnable elect.	1,2 Kg	TS 308	1V7514

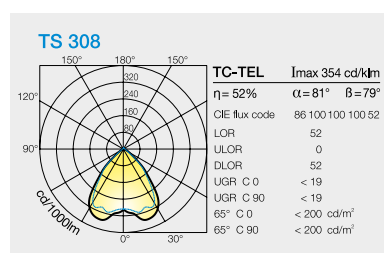
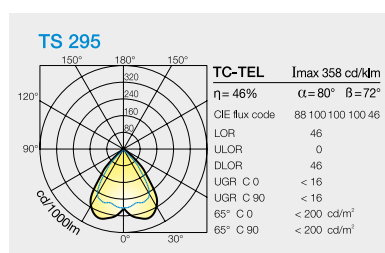


PLASTER	WEIGHT	CODE
	3,7 Kg	1V7405

* Permanent emergency with common neutral.
Emergency version with separated neutrals available on request.

ACCESSORIES

IP43	Glass sandblasted screen	1V7134

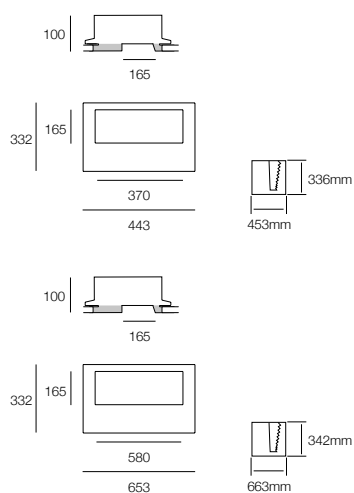


HELIUM

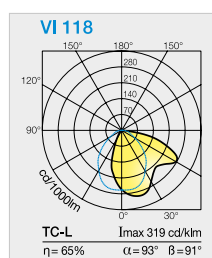
ASYMMETRIC

Asymmetric-emission recessed fixture for plasterboard false ceilings for fluorescent lamps.

The fixture consists of a metal body with an aluminium asymmetric reflector and a rectangular gypsum frame, which is to be plastered onto the plasterboard ceiling. Asymmetric emission for an even illumination of vertical surfaces. Electronic ballast.

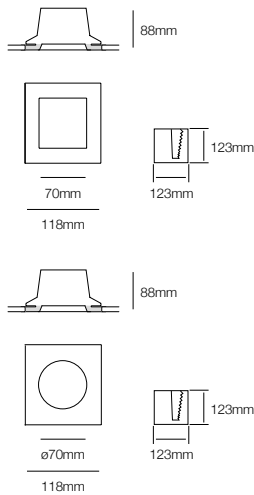



TC-L	REFLECTOR	POWER SUPPLY	WEIGHT	△	CODE
2G11	24W asymmetric	electronic	3,5 Kg	VI 118	1V7400
	55W asymmetric	electronic	4,8 Kg	VI 118	1V7401

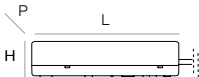


DICRO

Recessed fixture for plasterboard false ceilings for halogen dichroic lamps. The fixture consists of a body and frame in a single plaster element with a square or round edge, which is to be plastered onto the plasterboard ceiling. Metal lamp support painted white. Transformer available as an accessory.



QR-CB 51 		VERSION	WEIGHT	CODE
GU 5.3	max 50W 12V	square	0,5 Kg	1V7402
	max 50W 12V	round	0,5 Kg	1V7403

REMOTE POWER SUPPLY		LxPxH	CODE	
	Electronic transformer 230-240V/12V	20-60W	94x20x31 mm	47567
	AC 50-60Hz dimmable TRIAC + IGBT	20-105W	118x21x35 mm	47568

SMALL DOWNLIGHT

INN

DOO

OR

BeBOP RECESSED



Art Room Alexander Bürkle - Freiburg Germany. Photo: Günther Lehnert

COMPACT RECESSED LED FIXTURE

SMALL AND EFFICIENT

Great performance for a small fixture. An intelligent technical design capable of enhancing the LED performance. Thanks to the BeBOP's passive dissipation the source works at a very low junction temperature, which contributes to performance and life features.

COORDINATED ELEGANCE

Three different applications: recessed, pendant and ceiling-mounted. Same formal elegance designed in many versions to meet even the most complex project requirements.



Real dimensions



DESIGN NO SIGN

BeBOP stands out for its design, with soft lines, naturally rounded. In the recessed version, the effect is amplified: the ring in white polycarbonate "disappears" in the ceiling and creates the illusion of a plaster finish realized after the installation. The deception is extremely effective and the aesthetics essential.

LED POWER

The LED technology designed in many powers. BeBOP owns Citizen LEDs of the latest generation with high luminous efficacy: over 130 lm/W for some power variants.



THE BEAUTY OF SAFETY

A holographic and slightly diffusing screen closes the optical assembly of BeBOP and provides an IP44 degree of protection. A guarantee for safety and a plus for the quality of light.

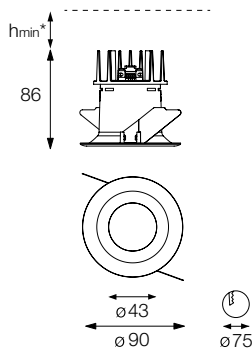
OPTICS FOR COMFORT

The new BeBOP's optics, in 2 beam widths (MWFL and WFL), are equipped with anodized aluminum reflectors with high reflectance convex facets. The WFL beam particularly ensures a uniform and comfortable light distribution to enjoy any environment.

BeBOP

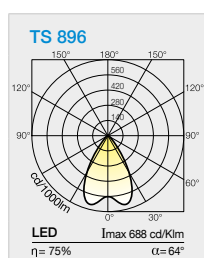
RECESSED

Low luminance recessed compact downlight for LED lamps. Matt white painted polycarbonate body and rounded ring. Die-cast aluminium finned heat sink, side wiring complete with power supply. Optic system consists of extremely high efficiency specular anodized aluminium reflector and PMMA diffuse screen integrated. Quick installation with springs for mounting into the false ceiling. Electronic or DALI driver included. 220-240V-AC 50/60Hz

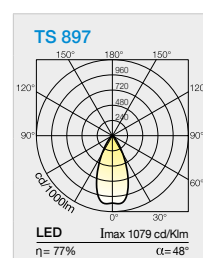


* 15W Versions: h min = 100mm

LED	OPTIC	LED COLOUR	POWER SUPPLY	\triangle	CODE
9W	MWFL	3000K	electronic	TS 897	1T4756EL
9W	MWFL	3000K	DALI	TS 897	1T4756DA
9W	MWFL	4000K	electronic	TS 897	1T4757EL
9W	MWFL	4000K	DALI	TS 897	1T4757DA
9W	WFL	3000K	electronic	TS 896	1T4754EL
9W	WFL	3000K	DALI	TS 896	1T4754DA
9W	WFL	4000K	electronic	TS 896	1T4755EL
9W	WFL	4000K	DALI	TS 896	1T4755DA
15W	MWFL	3000K	electronic	TS 899	1T4760EL
15W	MWFL	3000K	DALI	TS 899	1T4760DA
15W	MWFL	4000K	electronic	TS 899	1T4761EL
15W	MWFL	4000K	DALI	TS 899	1T4761DA
15W	WFL	3000K	electronic	TS 898	1T4758EL
15W	WFL	3000K	DALI	TS 898	1T4758DA
15W	WFL	4000K	electronic	TS 898	1T4759EL
15W	WFL	4000K	DALI	TS 898	1T4759DA



FIXTURE POWER	12W	
KELVIN	3000K	4000K
LED FLUX	1204 lm	1245 lm
FIXTURE FLUX	907 lm	937 lm
EFFICACY	76 lm/W	78 lm/W
IMAX	828 cd	846 cd



FIXTURE POWER	12W	
KELVIN	3000K	4000K
LED FLUX	1204 lm	1245 lm
FIXTURE FLUX	925 lm	956 lm
EFFICACY	77 lm/W	80 lm/W
IMAX	1299 cd	1343 cd

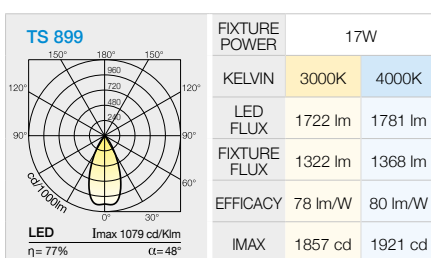
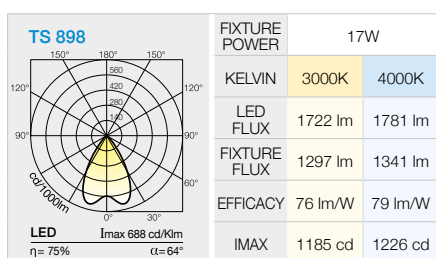
ACCESSORIES

Emergency kit

Emergency + battery pack 3H

1T3144

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



QUICKLED

COMPACT RECESSED LED FIXTURE

COMPACT AND VERSATILE

QUICKLED is Targetti's small downlight with LED technology, available in more power ranges. The passive heat dissipation and an innovative optical system ensure high energy efficiency. A further plus is the color quality of the light, that increases the versatility of the fixture and makes it suitable for different project solutions.



VISUAL
COMFORT



PROTECTION



NO
MAINTENANCE
REQUIRED



ENERGY
SAVING

OPTICS FOR HIGH PERFORMANCE

An advanced optical system designed around the LED, which enhances the sources and fixture's performance. The optics with anodized aluminum reflectors with high reflectance convex facets are in fact the QUICKLED's strengths.

"NEXT" GENERATION LED

QUICKLED uses only LED of the latest generation, with high energy efficiency. Values tend to excellence and surpass the 130 lm/w for some variants of power.

UNIFORM IS BETTER

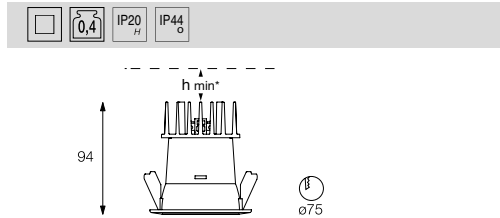
A good illuminance uniformity is among the factors that most affect the comfort of an environment. Thanks to its beam angle, QUICKLED ensures an extremely homogeneous light distribution, without shadow cones. The special diffuser integrated in the fixture contributes to the softness of the effect.



RECESSED

Low luminance recessed LED small downlight.

Metallised polycarbonate body with decorative ring in anodised aluminium or painted white. Finned heat sink made of die-cast aluminium, side wiring complete with power supply. Optic system consists of extremely high efficiency anodized aluminium reflector, anti-glare lower reflector in high-resistant polycarbonate with internal polished metalisation. Built-in diffusive screen in sandblasted polycarbonate. Quick connector with springs for ceiling mounting. Electronic or DALI driver included.



* 15W Versions: h min = 100mm

LED	RING	OPTIC	LED COLOUR	POWER SUPPLY	△	CODE
9W	white	MWFL	WW 3000K	electronic	TS 902	1T4770EL
9W	white	MWFL	WW 3000K	DALI	TS 902	1T4770DA
9W	white	MWFL	NW 4000K	electronic	TS 902	1T4771EL
9W	white	MWFL	NW 4000K	DALI	TS 902	1T4771DA
9W	aluminium	MWFL	WW 3000K	electronic	TS 902	1T4772EL
9W	aluminium	MWFL	WW 3000K	DALI	TS 902	1T4772DA
9W	aluminium	MWFL	NW 4000K	electronic	TS 902	1T4773EL
9W	aluminium	MWFL	NW 4000K	DALI	TS 902	1T4773DA
15W	white	MWFL	WW 3000K	electronic	TS 902	1T4774EL
15W	white	MWFL	WW 3000K	DALI	TS 902	1T4774DA
15W	white	MWFL	NW 4000K	electronic	TS 902	1T4775EL
15W	white	MWFL	NW 4000K	DALI	TS 902	1T4775DA
15W	aluminium	MWFL	WW 3000K	electronic	TS 902	1T4776EL
15W	aluminium	MWFL	WW 3000K	DALI	TS 902	1T4776DA
15W	aluminium	MWFL	NW 4000K	electronic	TS 902	1T4777EL
15W	aluminium	MWFL	NW 4000K	DALI	TS 902	1T4777DA

ACCESSORIES

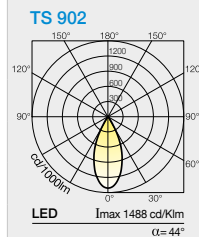
Emergency kit

Emergency + battery pack 3H

1T3144

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TS 902	12W		17W	
	KELVIN	3000K	4000K	3000K
LED FLUX	1204 lm	1245 lm	1722 lm	1781 lm
FIXTURE FLUX	947 lm	980 lm	1355 lm	1402 lm
EFFICACY	79 lm/W	82 lm/W	79 lm/W	81 lm/W
IMAX	1791 cd	1852 cd	2562 cd	2649 cd



POLKA

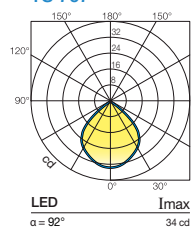
MINI

Ultra compact LED recessed ceiling fixture.

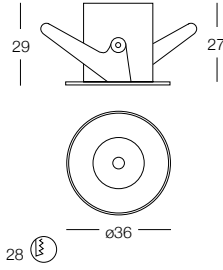
Aluminium body and ring to guarantee perfect heat dissipation. Available in plaster white or brushed chrome finish with a circular or square decorative ring. Flood emission. Quick installation system to the ceiling with clips. Pre-wired with cable 250mm. Remote electronic 350mA driver available as an accessory.



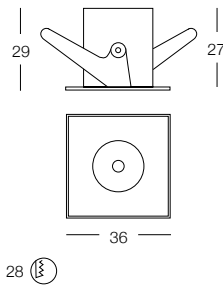
TS 767



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



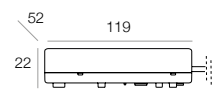
LED		FINISHES	LED COLOR	CURRENT	△	CODE
1,2W		plaster white	ww 3000K	350mA	TS 767	1T3697
1,2W		chrome	ww 3000K	350mA	TS 767	1T3698



LED		FINISHES	LED COLOR	CURRENT	△	CODE
1,2W		plaster white	ww 3000K	350mA	TS 767	1T3935
1,2W		chrome	ww 3000K	350mA	TS 767	1T3936

REMOTE POWER SUPPLY (LxHxP) 350mA

IP40



Electronic power supply 15W 220-240V 50/60Hz [1T1757](#)

Allows to feed up to 10 fixtures connected in series in constant current.

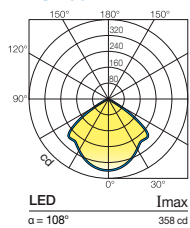
POLKA

FIX

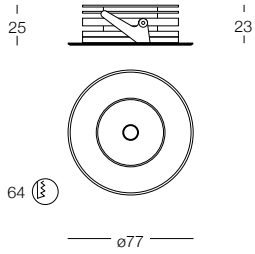
LED recessed ceiling fixture. Finned aluminium body to guarantee perfect heat dissipation. Circular or square decorative ring available in plaster white or with a brushed chrome finish. Flood emission. Quick installation system to the ceiling with clips. Pre-wired with 250mm of wire. Remote electronic 350mA driver available as an accessory.



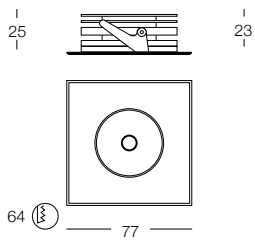
TS 765



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

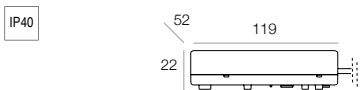


LED		FINISHES	LED COLOR	CURRENT	△	CODE
12W		plaster white	ww 3000K	350mA	TS 765	1T3699
12W		chrome	ww 3000K	350mA	TS 765	1T3700



LED		FINISHES	LED COLOR	CURRENT	△	CODE
12W		plaster white	ww 3000K	350mA	TS 765	1T3937
12W		chrome	ww 3000K	350mA	TS 765	1T3938

REMOTE POWER SUPPLY (LxHxP) 350mA



Electronic power supply 15W 220-240V 50/60Hz

[1T1757](#)

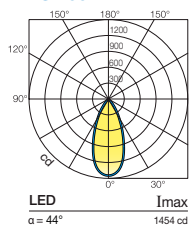
POLKA

FLEX

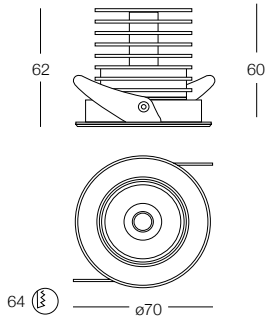
Adjustable LED recessed ceiling fixture. Finned aluminium body to guarantee perfect heat dissipation. Adjustability of the optical unit of $\pm 22^\circ$ vertically. Circular or square decorative ring available in plaster white or with a brushed chrome finish. Flood emission. Quick installation system to the ceiling with clips. Remote electronic 350mA driver available as an accessory. Pre-wired with 250mm of wire.



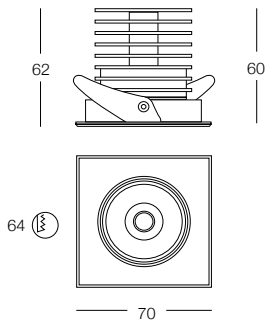
TS 766



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



LED	FINISHES	LED COLOR	CURRENT	△	CODE
12W	plaster white	ww 3000K	350mA	TS 766	1T3701
12W	chrome	ww 3000K	350mA	TS 766	1T3702



LED	FINISHES	LED COLOR	CURRENT	△	CODE
12W	plaster white	ww 3000K	350mA	TS 766	1T3939
12W	chrome	ww 3000K	350mA	TS 766	1T3940

REMOTE POWER SUPPLY (LxHxP) 350mA



Electronic power supply 15W 220-240V 50/60Hz

[1T1757](#)

RECESSED PROJECTORS

STORE GIMBAL

GIMBAL RECESSED PROJECTOR FOR LED SOURCES

THE RANGE: STORE & STORE MINI

A good example on how "creation by subtracting" may work, STORE recessed projector offers a complete solution for lighting projects in the RETAIL market, responding with efficacy and intelligence to specific needs and applications. Available in two different dimensions, its "compact and essential" design may be integrated in any architectural environment.



OPTICS

As an ideal instrument for RETAIL lighting, STORE recessed projector is extremely versatile being available in a number of models, having different flux and optic characteristics. Methacrylate lenses or precision optics in specular anodized aluminium with convex faceting, with the possibility to use a complete range of optical accessories.

INSTALLATION

The very user-friendly installation makes of STORE an essential instrument where reduced installation and maintenance costs are required. The multi-optic solutions, are always complete with a housing to be recessed in the false ceiling and projectors which are quickly installed by means of magnets, allowing for a flexibility of use and installation able to respond to exhibition needs even if in constant evolution.



PROFESSIONAL LIGHT IN A COORDINATE DESIGN

STORE is available also in the projector version, with the same powers and optics of the projector, to ensure a coherent and complete response to different project needs.



STORE GIMBAL

Adjustable recessed projector for LED sources.

Painted die-cast aluminium projector body and external ring. Polycarbonate internal ring. Available in black and white. Gimbal System to adjust the optical unit 30° vertically and 355° horizontally. High emission LED lamps sources with a colour temperature of 3000K or 4000K and a CRI of Ra 84 or Ra 97. Convex faceted precision optics in high specularly metallised polycarbonate. "Scratch Proof Formula" treatment. Available in Spot, Flood, Medium Wide Flood and Wide Flood versions. A full range of optical accessories available. A "no tools" mounting system for installations in false ceilings from 0.5 to 30 mm. Remote power supply included in the basic electronic or DALI version. Accessory frame for the 1x version.



TS 947	FIXTURE POWER				
	23W				
<p>LED I_{max} 7844 cd/Klm α=14°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2282 lm	2357 lm	1712 lm	1769 lm
	EFFICACY	99 lm/W	102 lm/W	74 lm/W	77 lm/W
	IMAX	21061 cd	21751 cd	15798 cd	16323 cd

TS 948	FIXTURE POWER				
	23W				
<p>LED I_{max} 3087 cd/Klm α=27°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2274 lm	2349 lm	1706 lm	1762 lm
	EFFICACY	99 lm/W	102 lm/W	74 lm/W	77 lm/W
	IMAX	8289 cd	8561 cd	6218 cd	6424 cd

TS 949	FIXTURE POWER				
	23W				
<p>LED I_{max} 1655 cd/Klm α=45°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2333 lm	2409 lm	1750 lm	1808 lm
	EFFICACY	101 lm/W	105 lm/W	76 lm/W	79 lm/W
	IMAX	4443 cd	4588 cd	3332 cd	3443 cd

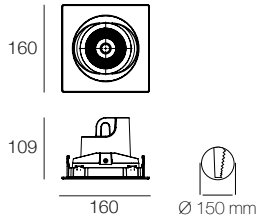
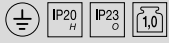
TS 950	FIXTURE POWER				
	23W				
<p>LED I_{max} 1141 cd/Klm α=59°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2365 lm	2442 lm	1774 lm	1833 lm
	EFFICACY	103 lm/W	106 lm/W	77 lm/W	80 lm/W
	IMAX	3065 cd	3165 cd	2299 cd	2375 cd

TS 951	FIXTURE POWER				
	37W				
<p>LED I_{max} 7845 cd/Klm α=14°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3326 lm	3436 lm	2495 lm	2577 lm
	EFFICACY	90 lm/W	93 lm/W	67 lm/W	70 lm/W
	IMAX	30696 cd	31708 cd	23032 cd	23785 cd



































TS 952	FIXTURE POWER				
	37W				
<p>LED I_{max} 3087 cd/Klm α=27°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3314 lm	3423 lm	2487 lm	2568 lm
	EFFICACY	90 lm/W	92 lm/W	67 lm/W	69 lm/W
	IMAX	12080 cd	12478 cd	9064 cd	9360 cd

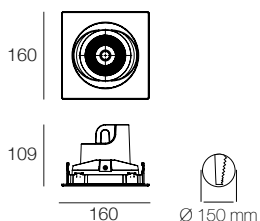
TS 953	FIXTURE POWER				
	37W				
<p>LED I_{max} 1654 cd/Klm α=45°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3400 lm	3512 lm	2551 lm	2634 lm
	EFFICACY	92 lm/W	95 lm/W	69 lm/W	71 lm/W
	IMAX	6474 cd	6688 cd	4851 cd	5017 cd

TS 954	FIXTURE POWER				
	37W				
<p>LED I_{max} 1141 cd/Klm α=59°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3447 lm	3561 lm	2586 lm	2671 lm
	EFFICACY	93 lm/W	96 lm/W	70 lm/W	72 lm/W
	IMAX	4467 cd	4614 cd	3351 cd	3461 cd



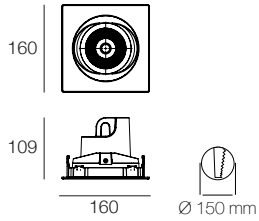
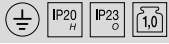
Ra 84 ELECTRONIC POWER SUPPLY

LED 	FINISH	OPTIC	LED COLOUR		CODE
1X19W	deep black	SP	 3000K	TS 947	1T5098EL
1X19W	deep black	SP	 4000K	TS 947	1T5100EL
1X19W	deep black	FL	 3000K	TS 948	1T5102EL
1X19W	deep black	FL	 4000K	TS 948	1T5104EL
1X19W	deep black	MWFL	 3000K	TS 949	1T5106EL
1X19W	deep black	MWFL	 4000K	TS 949	1T5108EL
1X19W	deep black	WFL	 3000K	TS 950	1T5110EL
1X19W	deep black	WFL	 4000K	TS 950	1T5112EL
1X19W	plaster white	SP	 3000K	TS 947	1T5114EL
1X19W	plaster white	SP	 4000K	TS 947	1T5116EL
1X19W	plaster white	FL	 3000K	TS 948	1T5118EL
1X19W	plaster white	FL	 4000K	TS 948	1T5120EL
1X19W	plaster white	MWFL	 3000K	TS 949	1T5122EL
1X19W	plaster white	MWFL	 4000K	TS 949	1T5124EL
1X19W	plaster white	WFL	 3000K	TS 950	1T5126EL
1X19W	plaster white	WFL	 4000K	TS 950	1T5128EL
1X33W	deep black	SP	 3000K	TS 951	1T5130EL
1X33W	deep black	SP	 4000K	TS 951	1T5132EL
1X33W	deep black	FL	 3000K	TS 952	1T5134EL
1X33W	deep black	FL	 4000K	TS 952	1T5136EL
1X33W	deep black	MWFL	 3000K	TS 953	1T5138EL
1X33W	deep black	MWFL	 4000K	TS 953	1T5140EL
1X33W	deep black	WFL	 3000K	TS 954	1T5142EL
1X33W	deep black	WFL	 4000K	TS 954	1T5144EL
1X33W	plaster white	SP	 3000K	TS 951	1T5146EL
1X33W	plaster white	SP	 4000K	TS 951	1T5148EL
1X33W	plaster white	FL	 3000K	TS 952	1T5150EL
1X33W	plaster white	FL	 4000K	TS 952	1T5152EL
1X33W	plaster white	MWFL	 3000K	TS 953	1T5154EL
1X33W	plaster white	MWFL	 4000K	TS 953	1T5156EL
1X33W	plaster white	WFL	 3000K	TS 954	1T5158EL
1X33W	plaster white	WFL	 4000K	TS 954	1T5160EL





































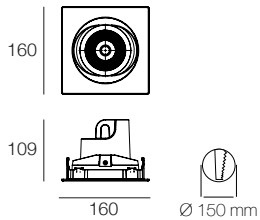
Ra 84 DALI

LED	FINISH	OPTIC	LED COLOUR		CODE
1X19W	deep black	SP	3000K	TS 947	1T5098DA
1X19W	deep black	SP	4000K	TS 947	1T5100DA
1X19W	deep black	FL	3000K	TS 948	1T5102DA
1X19W	deep black	FL	4000K	TS 948	1T5104DA
1X19W	deep black	MWFL	3000K	TS 949	1T5106DA
1X19W	deep black	MWFL	4000K	TS 949	1T5108DA
1X19W	deep black	WFL	3000K	TS 950	1T5110DA
1X19W	deep black	WFL	4000K	TS 950	1T5112DA
1X19W	plaster white	SP	3000K	TS 947	1T5114DA
1X19W	plaster white	SP	4000K	TS 947	1T5116DA
1X19W	plaster white	FL	3000K	TS 948	1T5118DA
1X19W	plaster white	FL	4000K	TS 948	1T5120DA
1X19W	plaster white	MWFL	3000K	TS 949	1T5122DA
1X19W	plaster white	MWFL	4000K	TS 949	1T5124DA
1X19W	plaster white	WFL	3000K	TS 950	1T5126DA
1X19W	plaster white	WFL	4000K	TS 950	1T5128DA
1X33W	deep black	SP	3000K	TS 951	1T5130DA
1X33W	deep black	SP	4000K	TS 951	1T5132DA
1X33W	deep black	FL	3000K	TS 952	1T5134DA
1X33W	deep black	FL	4000K	TS 952	1T5136DA
1X33W	deep black	MWFL	3000K	TS 953	1T5138DA
1X33W	deep black	MWFL	4000K	TS 953	1T5140DA
1X33W	deep black	WFL	3000K	TS 954	1T5142DA
1X33W	deep black	WFL	4000K	TS 954	1T5144DA
1X33W	plaster white	SP	3000K	TS 951	1T5146DA
1X33W	plaster white	SP	4000K	TS 951	1T5148DA
1X33W	plaster white	FL	3000K	TS 952	1T5150DA
1X33W	plaster white	FL	4000K	TS 952	1T5152DA
1X33W	plaster white	MWFL	3000K	TS 953	1T5154DA
1X33W	plaster white	MWFL	4000K	TS 953	1T5156DA
1X33W	plaster white	WFL	3000K	TS 954	1T5158DA
1X33W	plaster white	WFL	4000K	TS 954	1T5160DA





































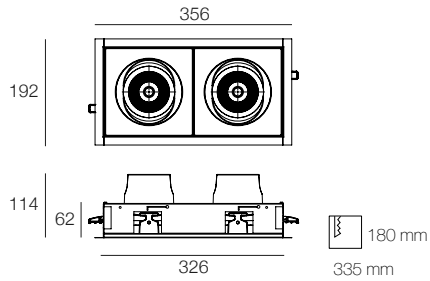
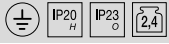
Ra 97 ELECTRONIC POWER SUPPLY

LED 	FINISH	OPTIC	LED COLOUR		CODE
1X19W	deep black	SP	 3000K	TS 947	1T5099EL
1X19W	deep black	SP	 4000K	TS 947	1T5101EL
1X19W	deep black	FL	 3000K	TS 948	1T5103EL
1X19W	deep black	FL	 4000K	TS 948	1T5105EL
1X19W	deep black	MWFL	 3000K	TS 949	1T5107EL
1X19W	deep black	MWFL	 4000K	TS 949	1T5109EL
1X19W	deep black	WFL	 3000K	TS 950	1T5111EL
1X19W	deep black	WFL	 4000K	TS 950	1T5113EL
1X19W	plaster white	SP	 3000K	TS 947	1T5115EL
1X19W	plaster white	SP	 4000K	TS 947	1T5117EL
1X19W	plaster white	FL	 3000K	TS 948	1T5119EL
1X19W	plaster white	FL	 4000K	TS 948	1T5121EL
1X19W	plaster white	MWFL	 3000K	TS 949	1T5123EL
1X19W	plaster white	MWFL	 4000K	TS 949	1T5125EL
1X19W	plaster white	WFL	 3000K	TS 950	1T5127EL
1X19W	plaster white	WFL	 4000K	TS 950	1T5129EL
1X33W	deep black	SP	 3000K	TS 951	1T5131EL
1X33W	deep black	SP	 4000K	TS 951	1T5133EL
1X33W	deep black	FL	 3000K	TS 952	1T5135EL
1X33W	deep black	FL	 4000K	TS 952	1T5137EL
1X33W	deep black	MWFL	 3000K	TS 953	1T5139EL
1X33W	deep black	MWFL	 4000K	TS 953	1T5141EL
1X33W	deep black	WFL	 3000K	TS 954	1T5143EL
1X33W	deep black	WFL	 4000K	TS 954	1T5145EL
1X33W	plaster white	SP	 3000K	TS 951	1T5147EL
1X33W	plaster white	SP	 4000K	TS 951	1T5149EL
1X33W	plaster white	FL	 3000K	TS 952	1T5151EL
1X33W	plaster white	FL	 4000K	TS 952	1T5153EL
1X33W	plaster white	MWFL	 3000K	TS 953	1T5155EL
1X33W	plaster white	MWFL	 4000K	TS 953	1T5157EL
1X33W	plaster white	WFL	 3000K	TS 954	1T5159EL
1X33W	plaster white	WFL	 4000K	TS 954	1T5161EL












Ra 97 DALI

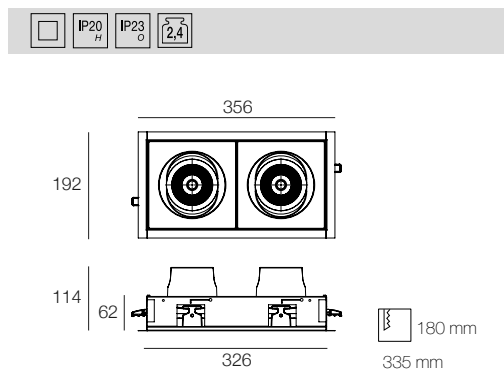
LED 	FINISH	OPTIC	LED COLOUR		CODE
1X19W	deep black	SP	 3000K	TS 947	1T5099DA
1X19W	deep black	SP	 4000K	TS 947	1T5101DA
1X19W	deep black	FL	 3000K	TS 948	1T5103DA
1X19W	deep black	FL	 4000K	TS 948	1T5105DA
1X19W	deep black	MWFL	 3000K	TS 949	1T5107DA
1X19W	deep black	MWFL	 4000K	TS 949	1T5109DA
1X19W	deep black	WFL	 3000K	TS 950	1T5111DA
1X19W	deep black	WFL	 4000K	TS 950	1T5113DA
1X19W	plaster white	SP	 3000K	TS 947	1T5115DA
1X19W	plaster white	SP	 4000K	TS 947	1T5117DA
1X19W	plaster white	FL	 3000K	TS 948	1T5119DA
1X19W	plaster white	FL	 4000K	TS 948	1T5121DA
1X19W	plaster white	MWFL	 3000K	TS 949	1T5123DA
1X19W	plaster white	MWFL	 4000K	TS 949	1T5125DA
1X19W	plaster white	WFL	 3000K	TS 950	1T5127DA
1X19W	plaster white	WFL	 4000K	TS 950	1T5129DA
1X33W	deep black	SP	 3000K	TS 951	1T5131DA
1X33W	deep black	SP	 4000K	TS 951	1T5133DA
1X33W	deep black	FL	 3000K	TS 952	1T5135DA
1X33W	deep black	FL	 4000K	TS 952	1T5137DA
1X33W	deep black	MWFL	 3000K	TS 953	1T5139DA
1X33W	deep black	MWFL	 4000K	TS 953	1T5141DA
1X33W	deep black	WFL	 3000K	TS 954	1T5143DA
1X33W	deep black	WFL	 4000K	TS 954	1T5145DA
1X33W	plaster white	SP	 3000K	TS 951	1T5147DA
1X33W	plaster white	SP	 4000K	TS 951	1T5149DA
1X33W	plaster white	FL	 3000K	TS 952	1T5151DA
1X33W	plaster white	FL	 4000K	TS 952	1T5153DA
1X33W	plaster white	MWFL	 3000K	TS 953	1T5155DA
1X33W	plaster white	MWFL	 4000K	TS 953	1T5157DA
1X33W	plaster white	WFL	 3000K	TS 954	1T5159DA
1X33W	plaster white	WFL	 4000K	TS 954	1T5161DA



Ra 84 ELECTRONIC POWER SUPPLY

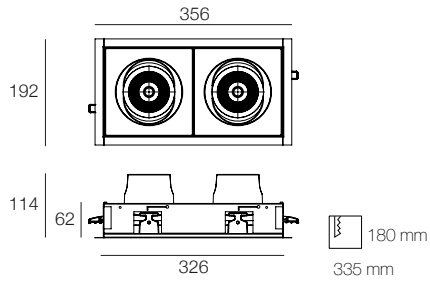
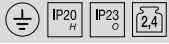
LED 	FINISH	OPTIC	LED COLOUR		CODE
2X19W	deep black	SP	 3000K	TS 947	1T5162EL
2X19W	deep black	SP	 4000K	TS 947	1T5164EL
2X19W	deep black	FL	 3000K	TS 948	1T5166EL
2X19W	deep black	FL	 4000K	TS 948	1T5168EL
2X19W	deep black	MWFL	 3000K	TS 949	1T5170EL
2X19W	deep black	MWFL	 4000K	TS 949	1T5172EL
2X19W	plaster white	SP	 3000K	TS 947	1T5174EL
2X19W	plaster white	SP	 4000K	TS 947	1T5176EL
2X19W	plaster white	FL	 3000K	TS 948	1T5178EL
2X19W	plaster white	FL	 4000K	TS 948	1T5180EL
2X19W	plaster white	MWFL	 3000K	TS 949	1T5182EL
2X19W	plaster white	MWFL	 4000K	TS 949	1T5184EL
2X33W	deep black	FL	 3000K	TS 952	1T5186EL
2X33W	deep black	FL	 4000K	TS 952	1T5188EL
2X33W	deep black	MWFL	 3000K	TS 953	1T5190EL
2X33W	deep black	MWFL	 4000K	TS 953	1T5192EL
2X33W	plaster white	FL	 3000K	TS 952	1T5194EL
2X33W	plaster white	FL	 4000K	TS 952	1T5196EL
2X33W	plaster white	MWFL	 3000K	TS 953	1T5198EL
2X33W	plaster white	MWFL	 4000K	TS 953	1T5200EL

STORE GIMBAL



Ra 84 DALI

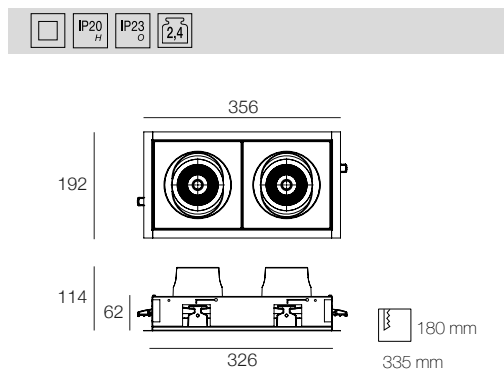
LED	FINISH	OPTIC	LED COLOUR	△	CODE
2X19W	deep black	SP	WW 3000K	TS 947	1T5162DA
2X19W	deep black	SP	NW 4000K	TS 947	1T5164DA
2X19W	deep black	FL	WW 3000K	TS 948	1T5166DA
2X19W	deep black	FL	NW 4000K	TS 948	1T5168DA
2X19W	deep black	MWFL	WW 3000K	TS 949	1T5170DA
2X19W	deep black	MWFL	NW 4000K	TS 949	1T5172DA
2X19W	plaster white	SP	WW 3000K	TS 947	1T5174DA
2X19W	plaster white	SP	NW 4000K	TS 947	1T5176DA
2X19W	plaster white	FL	WW 3000K	TS 948	1T5178DA
2X19W	plaster white	FL	NW 4000K	TS 948	1T5180DA
2X19W	plaster white	MWFL	WW 3000K	TS 949	1T5182DA
2X19W	plaster white	MWFL	NW 4000K	TS 949	1T5184DA
2X33W	deep black	FL	WW 3000K	TS 952	1T5186DA
2X33W	deep black	FL	NW 4000K	TS 952	1T5188DA
2X33W	deep black	MWFL	WW 3000K	TS 953	1T5190DA
2X33W	deep black	MWFL	NW 4000K	TS 953	1T5192DA
2X33W	plaster white	FL	WW 3000K	TS 952	1T5194DA
2X33W	plaster white	FL	NW 4000K	TS 952	1T5196DA
2X33W	plaster white	MWFL	WW 3000K	TS 953	1T5198DA
2X33W	plaster white	MWFL	NW 4000K	TS 953	1T5200DA



Ra 97 ELECTRONIC POWER SUPPLY

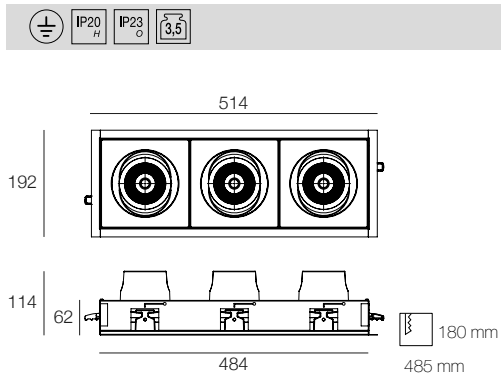
LED 	FINISH	OPTIC	LED COLOUR		CODE
2X19W	deep black	SP	WW 3000K	TS 947	1T5163EL
2X19W	deep black	SP	NW 4000K	TS 947	1T5165EL
2X19W	deep black	FL	WW 3000K	TS 948	1T5167EL
2X19W	deep black	FL	NW 4000K	TS 948	1T5169EL
2X19W	deep black	MWFL	WW 3000K	TS 949	1T5171EL
2X19W	deep black	MWFL	NW 4000K	TS 949	1T5173EL
2X19W	plaster white	SP	WW 3000K	TS 947	1T5175EL
2X19W	plaster white	SP	NW 4000K	TS 947	1T5177EL
2X19W	plaster white	FL	WW 3000K	TS 948	1T5179EL
2X19W	plaster white	FL	NW 4000K	TS 948	1T5181EL
2X19W	plaster white	MWFL	WW 3000K	TS 949	1T5183EL
2X19W	plaster white	MWFL	NW 4000K	TS 949	1T5185EL
2X33W	deep black	FL	WW 3000K	TS 952	1T5187EL
2X33W	deep black	FL	NW 4000K	TS 952	1T5189EL
2X33W	deep black	MWFL	WW 3000K	TS 953	1T5191EL
2X33W	deep black	MWFL	NW 4000K	TS 953	1T5193EL
2X33W	plaster white	FL	WW 3000K	TS 952	1T5195EL
2X33W	plaster white	FL	NW 4000K	TS 952	1T5197EL
2X33W	plaster white	MWFL	WW 3000K	TS 953	1T5199EL
2X33W	plaster white	MWFL	NW 4000K	TS 953	1T5201EL

STORE GIMBAL

























Ra 97 DALI

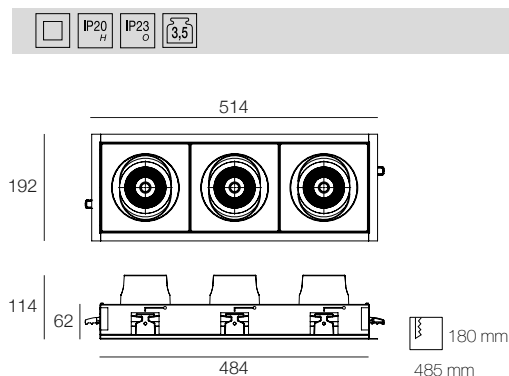
LED	FINISH	OPTIC	LED COLOUR	△	CODE
2X19W	deep black	SP	WW 3000K	TS 947	1T5163DA
2X19W	deep black	SP	NW 4000K	TS 947	1T5165DA
2X19W	deep black	FL	WW 3000K	TS 948	1T5167DA
2X19W	deep black	FL	NW 4000K	TS 948	1T5169DA
2X19W	deep black	MWFL	WW 3000K	TS 949	1T5171DA
2X19W	deep black	MWFL	NW 4000K	TS 949	1T5173DA
2X19W	plaster white	SP	WW 3000K	TS 947	1T5175DA
2X19W	plaster white	SP	NW 4000K	TS 947	1T5177DA
2X19W	plaster white	FL	WW 3000K	TS 948	1T5179DA
2X19W	plaster white	FL	NW 4000K	TS 948	1T5181DA
2X19W	plaster white	MWFL	WW 3000K	TS 949	1T5183DA
2X19W	plaster white	MWFL	NW 4000K	TS 949	1T5185DA
2X33W	deep black	FL	WW 3000K	TS 952	1T5187DA
2X33W	deep black	FL	NW 4000K	TS 952	1T5189DA
2X33W	deep black	MWFL	WW 3000K	TS 953	1T5191DA
2X33W	deep black	MWFL	NW 4000K	TS 953	1T5193DA
2X33W	plaster white	FL	WW 3000K	TS 952	1T5195DA
2X33W	plaster white	FL	NW 4000K	TS 952	1T5197DA
2X33W	plaster white	MWFL	WW 3000K	TS 953	1T5199DA
2X33W	plaster white	MWFL	NW 4000K	TS 953	1T5201DA



Ra 84 ELECTRONIC POWER SUPPLY

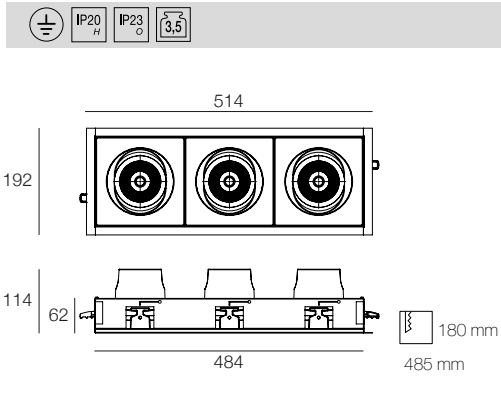
LED 	FINISH	OPTIC	LED COLOUR		CODE
3X19W	deep black	SP	 3000K	TS 947	1T5202EL
3X19W	deep black	SP	 4000K	TS 947	1T5204EL
3X19W	deep black	FL	 3000K	TS 948	1T5206EL
3X19W	deep black	FL	 4000K	TS 948	1T5208EL
3X19W	deep black	MWFL	 3000K	TS 949	1T5210EL
3X19W	deep black	MWFL	 4000K	TS 949	1T5212EL
3X19W	plaster white	SP	 3000K	TS 947	1T5214EL
3X19W	plaster white	SP	 4000K	TS 947	1T5216EL
3X19W	plaster white	FL	 3000K	TS 948	1T5218EL
3X19W	plaster white	FL	 4000K	TS 948	1T5220EL
3X19W	plaster white	MWFL	 3000K	TS 949	1T5222EL
3X19W	plaster white	MWFL	 4000K	TS 949	1T5224EL
3X33W	deep black	FL	 3000K	TS 952	1T5226EL
3X33W	deep black	FL	 4000K	TS 952	1T5228EL
3X33W	deep black	MWFL	 3000K	TS 953	1T5230EL
3X33W	deep black	MWFL	 4000K	TS 953	1T5232EL
3X33W	plaster white	FL	 3000K	TS 952	1T5234EL
3X33W	plaster white	FL	 4000K	TS 952	1T5236EL
3X33W	plaster white	MWFL	 3000K	TS 953	1T5238EL
3X33W	plaster white	MWFL	 4000K	TS 953	1T5240EL

STORE GIMBAL























Ra 84 DALI

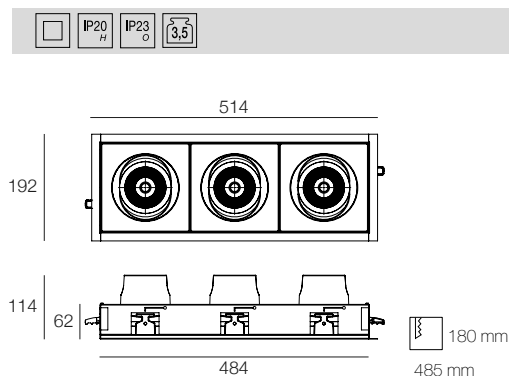
LED	FINISH	OPTIC	LED COLOUR	△	CODE
3X19W	deep black	SP	WW 3000K	TS 947	1T5202DA
3X19W	deep black	SP	NW 4000K	TS 947	1T5204DA
3X19W	deep black	FL	WW 3000K	TS 948	1T5206DA
3X19W	deep black	FL	NW 4000K	TS 948	1T5208DA
3X19W	deep black	MWFL	WW 3000K	TS 949	1T5210DA
3X19W	deep black	MWFL	NW 4000K	TS 949	1T5212DA
3X19W	plaster white	SP	WW 3000K	TS 947	1T5214DA
3X19W	plaster white	SP	NW 4000K	TS 947	1T5216DA
3X19W	plaster white	FL	WW 3000K	TS 948	1T5218DA
3X19W	plaster white	FL	NW 4000K	TS 948	1T5220DA
3X19W	plaster white	MWFL	WW 3000K	TS 949	1T5222DA
3X19W	plaster white	MWFL	NW 4000K	TS 949	1T5224DA
3X33W	deep black	FL	WW 3000K	TS 952	1T5226DA
3X33W	deep black	FL	NW 4000K	TS 952	1T5228DA
3X33W	deep black	MWFL	WW 3000K	TS 953	1T5230DA
3X33W	deep black	MWFL	NW 4000K	TS 953	1T5232DA
3X33W	plaster white	FL	WW 3000K	TS 952	1T5234DA
3X33W	plaster white	FL	NW 4000K	TS 952	1T5236DA
3X33W	plaster white	MWFL	WW 3000K	TS 953	1T5238DA
3X33W	plaster white	MWFL	NW 4000K	TS 953	1T5240DA



Ra 97 ELECTRONIC POWER SUPPLY

LED 	FINISH	OPTIC	LED COLOUR		CODE
3X19W	deep black	SP	 3000K	TS 947	1T5203EL
3X19W	deep black	SP	 4000K	TS 947	1T5205EL
3X19W	deep black	FL	 3000K	TS 948	1T5207EL
3X19W	deep black	FL	 4000K	TS 948	1T5209EL
3X19W	deep black	MWFL	 3000K	TS 949	1T5211EL
3X19W	deep black	MWFL	 4000K	TS 949	1T5213EL
3X19W	plaster white	SP	 3000K	TS 947	1T5215EL
3X19W	plaster white	SP	 4000K	TS 947	1T5217EL
3X19W	plaster white	FL	 3000K	TS 948	1T5219EL
3X19W	plaster white	FL	 4000K	TS 948	1T5221EL
3X19W	plaster white	MWFL	 3000K	TS 949	1T5223EL
3X19W	plaster white	MWFL	 4000K	TS 949	1T5225EL
3X33W	deep black	FL	 3000K	TS 952	1T5227EL
3X33W	deep black	FL	 4000K	TS 952	1T5229EL
3X33W	deep black	MWFL	 3000K	TS 953	1T5231EL
3X33W	deep black	MWFL	 4000K	TS 953	1T5233EL
3X33W	plaster white	FL	 3000K	TS 952	1T5235EL
3X33W	plaster white	FL	 4000K	TS 952	1T5237EL
3X33W	plaster white	MWFL	 3000K	TS 953	1T5239EL
3X33W	plaster white	MWFL	 4000K	TS 953	1T5241EL



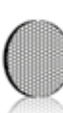



STORE GIMBAL



Ra 97 DALI

LED	FINISH	OPTIC	LED COLOUR	△	CODE
3X19W	deep black	SP	WW 3000K	TS 947	1T5203DA
3X19W	deep black	SP	NW 4000K	TS 947	1T5205DA
3X19W	deep black	FL	WW 3000K	TS 948	1T5207DA
3X19W	deep black	FL	NW 4000K	TS 948	1T5209DA
3X19W	deep black	MWFL	WW 3000K	TS 949	1T5211DA
3X19W	deep black	MWFL	NW 4000K	TS 949	1T5213DA
3X19W	plaster white	SP	WW 3000K	TS 947	1T5215DA
3X19W	plaster white	SP	NW 4000K	TS 947	1T5217DA
3X19W	plaster white	FL	WW 3000K	TS 948	1T5219DA
3X19W	plaster white	FL	NW 4000K	TS 948	1T5221DA
3X19W	plaster white	MWFL	WW 3000K	TS 949	1T5223DA
3X19W	plaster white	MWFL	NW 4000K	TS 949	1T5225DA
3X33W	deep black	FL	WW 3000K	TS 952	1T5227DA
3X33W	deep black	FL	NW 4000K	TS 952	1T5229DA
3X33W	deep black	MWFL	WW 3000K	TS 953	1T5231DA
3X33W	deep black	MWFL	NW 4000K	TS 953	1T5233DA
3X33W	plaster white	FL	WW 3000K	TS 952	1T5235DA
3X33W	plaster white	FL	NW 4000K	TS 952	1T5237DA
3X33W	plaster white	MWFL	WW 3000K	TS 953	1T5239DA
3X33W	plaster white	MWFL	NW 4000K	TS 953	1T5241DA

STORE GIMBAL ACCESSORIES

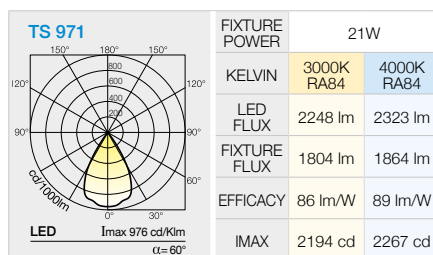
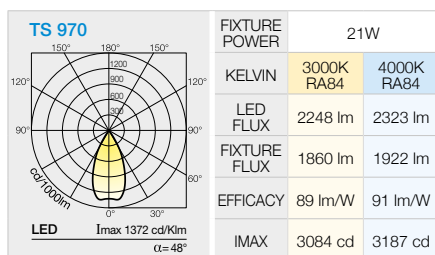
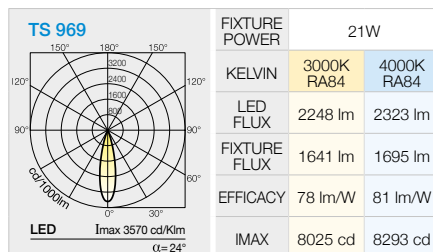
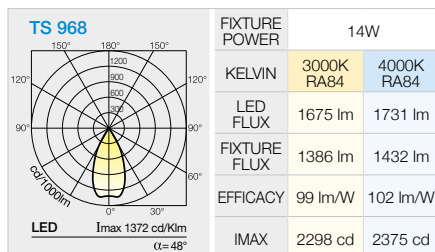
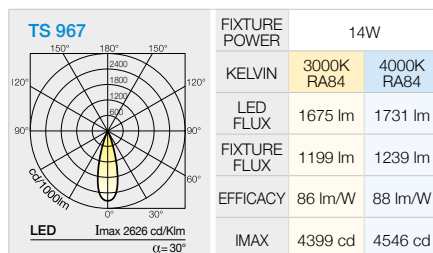
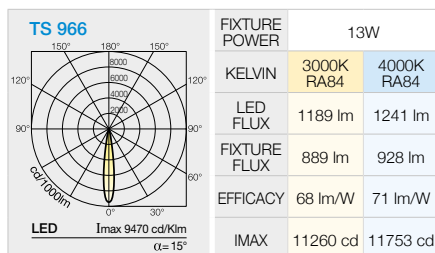
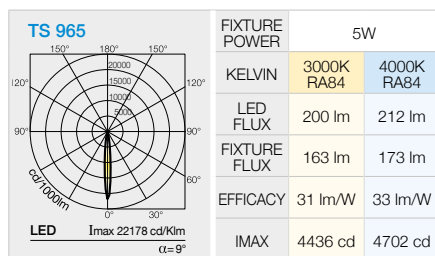
OPTICAL ACCESSORIES		CODE	
	Chromatic filters Interference glass filters. To be completed with dedicated holder ring.	Red 1T1712 Green 1T1713 Blue 1T1714 Yellow 1T1715 Magenta 1T1716	
		Tone filters Interference glass filters to vary the colour temperature of light. To be completed with dedicated holder ring.	Gold 1T1786 Cold 1T1777 Peach 1T1759
		Blade light filter Parallel ribbed glass filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. To be completed with dedicated holder ring.	1T1708
		Diffusive filter Wired refractive glass filter. This softens the luminous effect. To be completed with dedicated holder ring.	1T1709
		Anti-glare grid Black lacquered metal honeycomb structure. To be completed with dedicated holder ring.	1T1711
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142	
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432	
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143	
	Holder ring Black painted aluminium holder ring for the accessories.	1T3727	

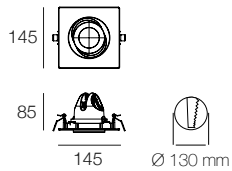
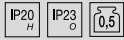
ACCESSORIES		
	Frame 1x	Black 1T5319 White 1T5320

STORE MINI GIMBAL

Adjustable recessed projector for LED sources.

Painted die-cast aluminium projector body and external ring. Polycarbonate internal ring. Available in black and white. Gimbal System to adjust the optical unit 30° vertically and 355° horizontally. High emission LED lamps sources with a colour temperature of 3000K or 4000K. Optical unit equipped with methacrylate lenses or convex faceted precision optics in high specularly anodised aluminium. Available in Narrow Spot, Spot, Flood and Medium Wide Flood versions. A "no tools" mounting system for installations in false ceilings from 0.5 to 30 mm. Integrated power supply available in the basic electronic or DALI version. Accessory frame for the 1x version.

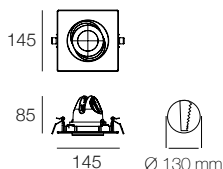




Ra 84 ELECTRONIC POWER SUPPLY

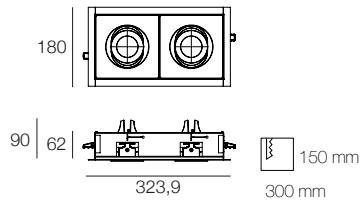
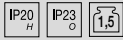
LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
1X3W	deep black	NSP	lenses	WW 3000K	TS 965	1T4926EL
1X3W	deep black	NSP	lenses	NW 4000K	TS 965	1T4927EL
1X11W	deep black	SP	lenses	WW 3000K	TS 966	1T4928EL
1X11W	deep black	SP	lenses	NW 4000K	TS 966	1T4929EL
1X12W	deep black	FL	lenses	WW 3000K	TS 967	1T4930EL
1X12W	deep black	FL	lenses	NW 4000K	TS 967	1T4931EL
1X12W	deep black	MWFL	facetted	WW 3000K	TS 968	1T4932EL
1X12W	deep black	MWFL	facetted	NW 4000K	TS 968	1T4933EL
1X3W	plaster white	NSP	lenses	WW 3000K	TS 965	1T4934EL
1X3W	plaster white	NSP	lenses	NW 4000K	TS 965	1T4935EL
1X11W	plaster white	SP	lenses	WW 3000K	TS 966	1T4936EL
1X11W	plaster white	SP	lenses	NW 4000K	TS 966	1T4937EL
1X12W	plaster white	FL	lenses	WW 3000K	TS 967	1T4938EL
1X12W	plaster white	FL	lenses	NW 4000K	TS 967	1T4939EL
1X12W	plaster white	MWFL	facetted	WW 3000K	TS 968	1T4940EL
1X12W	plaster white	MWFL	facetted	NW 4000K	TS 968	1T4941EL
1X18W	deep black	SP	lenses	WW 3000K	TS 969	1T4942EL
1X18W	deep black	SP	lenses	NW 4000K	TS 969	1T4943EL
1X18W	deep black	MWFL	facetted	WW 3000K	TS 970	1T4944EL
1X18W	deep black	MWFL	facetted	NW 4000K	TS 970	1T4945EL
1X18W	deep black	WFL	facetted	WW 3000K	TS 971	1T4946EL
1X18W	deep black	WFL	facetted	NW 4000K	TS 971	1T4947EL
1X18W	plaster white	SP	lenses	WW 3000K	TS 969	1T4948EL
1X18W	plaster white	SP	lenses	NW 4000K	TS 969	1T4949EL
1X18W	plaster white	MWFL	facetted	WW 3000K	TS 970	1T4950EL
1X18W	plaster white	MWFL	facetted	NW 4000K	TS 970	1T4951EL
1X18W	plaster white	WFL	facetted	WW 3000K	TS 971	1T4952EL
1X18W	plaster white	WFL	facetted	NW 4000K	TS 971	1T4953EL

STORE MINI GIMBAL



Ra 84 DALI

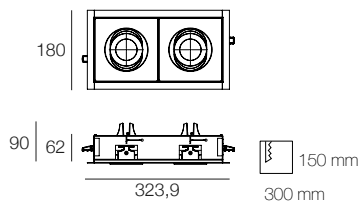
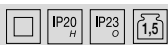
LED	FINISH	EMISSION	OPTIC	LED COLOUR	\triangle	CODE
1X3W	deep black	NSP	lenses	3000K	TS 965	1T4926DA
1X3W	deep black	NSP	lenses	4000K	TS 965	1T4927DA
1X11W	deep black	SP	lenses	3000K	TS 966	1T4928DA
1X11W	deep black	SP	lenses	4000K	TS 966	1T4929DA
1X12W	deep black	FL	lenses	3000K	TS 967	1T4930DA
1X12W	deep black	FL	lenses	4000K	TS 967	1T4931DA
1X12W	deep black	MWFL	facetted	3000K	TS 968	1T4932DA
1X12W	deep black	MWFL	facetted	4000K	TS 968	1T4933DA
1X3W	plaster white	NSP	lenses	3000K	TS 965	1T4934DA
1X3W	plaster white	NSP	lenses	4000K	TS 965	1T4935DA
1X11W	plaster white	SP	lenses	3000K	TS 966	1T4936DA
1X11W	plaster white	SP	lenses	4000K	TS 966	1T4937DA
1X12W	plaster white	FL	lenses	3000K	TS 967	1T4938DA
1X12W	plaster white	FL	lenses	4000K	TS 967	1T4939DA
1X12W	plaster white	MWFL	facetted	3000K	TS 968	1T4940DA
1X12W	plaster white	MWFL	facetted	4000K	TS 968	1T4941DA
1X18W	deep black	SP	lenses	3000K	TS 969	1T4942DA
1X18W	deep black	SP	lenses	4000K	TS 969	1T4943DA
1X18W	deep black	MWFL	facetted	3000K	TS 970	1T4944DA
1X18W	deep black	MWFL	facetted	4000K	TS 970	1T4945DA
1X18W	deep black	WFL	facetted	3000K	TS 971	1T4946DA
1X18W	deep black	WFL	facetted	4000K	TS 971	1T4947DA
1X18W	plaster white	SP	lenses	3000K	TS 969	1T4948DA
1X18W	plaster white	SP	lenses	4000K	TS 969	1T4949DA
1X18W	plaster white	MWFL	facetted	3000K	TS 970	1T4950DA
1X18W	plaster white	MWFL	facetted	4000K	TS 970	1T4951DA
1X18W	plaster white	WFL	facetted	3000K	TS 971	1T4952DA
1X18W	plaster white	WFL	facetted	4000K	TS 971	1T4953DA



Ra 84 ELECTRONIC POWER SUPPLY

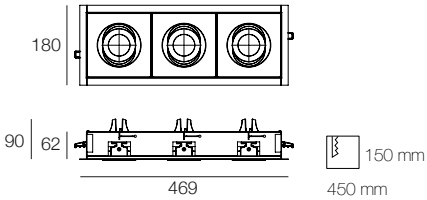
LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
2X3W	⊕ deep black	NSP	lenses	WW 3000K	TS 965	1T4954EL
2X3W	⊕ deep black	NSP	lenses	NW 4000K	TS 965	1T4955EL
2X11W	□ deep black	SP	lenses	WW 3000K	TS 966	1T4956EL
2X11W	□ deep black	SP	lenses	NW 4000K	TS 966	1T4957EL
2X12W	□ deep black	FL	lenses	WW 3000K	TS 967	1T4958EL
2X12W	□ deep black	FL	lenses	NW 4000K	TS 967	1T4959EL
2X12W	□ deep black	MWFL	facetted	WW 3000K	TS 968	1T4960EL
2X12W	□ deep black	MWFL	facetted	NW 4000K	TS 968	1T4961EL
2X3W	⊕ plaster white	NSP	lenses	WW 3000K	TS 965	1T4962EL
2X3W	⊕ plaster white	NSP	lenses	NW 4000K	TS 965	1T4963EL
2X11W	□ plaster white	SP	lenses	WW 3000K	TS 966	1T4964EL
2X11W	□ plaster white	SP	lenses	NW 4000K	TS 966	1T4965EL
2X12W	□ plaster white	FL	lenses	WW 3000K	TS 967	1T4966EL
2X12W	□ plaster white	FL	lenses	NW 4000K	TS 967	1T4967EL
2X12W	□ plaster white	MWFL	facetted	WW 3000K	TS 968	1T4968EL
2X12W	□ plaster white	MWFL	facetted	NW 4000K	TS 968	1T4969EL
2X18W	□ deep black	SP	lenses	WW 3000K	TS 969	1T4970EL
2X18W	□ deep black	SP	lenses	NW 4000K	TS 969	1T4971EL
2X18W	□ deep black	MWFL	facetted	WW 3000K	TS 970	1T4972EL
2X18W	□ deep black	MWFL	facetted	NW 4000K	TS 970	1T4973EL
2X18W	□ plaster white	SP	lenses	WW 3000K	TS 969	1T4974EL
2X18W	□ plaster white	SP	lenses	NW 4000K	TS 969	1T4975EL
2X18W	□ plaster white	MWFL	facetted	WW 3000K	TS 970	1T4976EL
2X18W	□ plaster white	MWFL	facetted	NW 4000K	TS 970	1T4977EL

STORE MINI GIMBAL



Ra 84 DALI

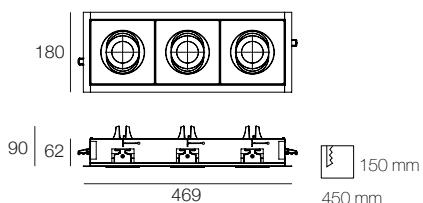
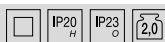
LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
2X3W	deep black	NSP	lenses	WW 3000K	TS 965	1T4954DA
2X3W	deep black	NSP	lenses	NW 4000K	TS 965	1T4955DA
2X11W	deep black	SP	lenses	WW 3000K	TS 966	1T4956DA
2X11W	deep black	SP	lenses	NW 4000K	TS 966	1T4957DA
2X12W	deep black	FL	lenses	WW 3000K	TS 967	1T4958DA
2X12W	deep black	FL	lenses	NW 4000K	TS 967	1T4959DA
2X12W	deep black	MWFL	facetted	WW 3000K	TS 968	1T4960DA
2X12W	deep black	MWFL	facetted	NW 4000K	TS 968	1T4961DA
2X3W	plaster white	NSP	lenses	WW 3000K	TS 965	1T4962DA
2X3W	plaster white	NSP	lenses	NW 4000K	TS 965	1T4963DA
2X11W	plaster white	SP	lenses	WW 3000K	TS 966	1T4964DA
2X11W	plaster white	SP	lenses	NW 4000K	TS 966	1T4965DA
2X12W	plaster white	FL	lenses	WW 3000K	TS 967	1T4966DA
2X12W	plaster white	FL	lenses	NW 4000K	TS 967	1T4967DA
2X12W	plaster white	MWFL	facetted	WW 3000K	TS 968	1T4968DA
2X12W	plaster white	MWFL	facetted	NW 4000K	TS 968	1T4969DA
2X18W	deep black	SP	lenses	WW 3000K	TS 969	1T4970DA
2X18W	deep black	SP	lenses	NW 4000K	TS 969	1T4971DA
2X18W	deep black	MWFL	facetted	WW 3000K	TS 970	1T4972DA
2X18W	deep black	MWFL	facetted	NW 4000K	TS 970	1T4973DA
2X18W	plaster white	SP	lenses	WW 3000K	TS 969	1T4974DA
2X18W	plaster white	SP	lenses	NW 4000K	TS 969	1T4975DA
2X18W	plaster white	MWFL	facetted	WW 3000K	TS 970	1T4976DA
2X18W	plaster white	MWFL	facetted	NW 4000K	TS 970	1T4977DA



Ra 84 ELECTRONIC POWER SUPPLY

LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
3X3W	⊕ deep black	NSP	lenses	WW 3000K	TS 965	1T4978EL
3X3W	⊖ deep black	NSP	lenses	NW 4000K	TS 965	1T4979EL
3X11W	□ deep black	SP	lenses	WW 3000K	TS 966	1T4980EL
3X11W	□ deep black	SP	lenses	NW 4000K	TS 966	1T4981EL
3X12W	□ deep black	FL	lenses	WW 3000K	TS 967	1T4982EL
3X12W	□ deep black	FL	lenses	NW 4000K	TS 967	1T4983EL
3X12W	□ deep black	MWFL	facetted	WW 3000K	TS 968	1T4984EL
3X12W	□ deep black	MWFL	facetted	NW 4000K	TS 968	1T4985EL
3X3W	⊕ plaster white	NSP	lenses	WW 3000K	TS 965	1T4986EL
3X3W	⊖ plaster white	NSP	lenses	NW 4000K	TS 965	1T4987EL
3X11W	□ plaster white	SP	lenses	WW 3000K	TS 966	1T4988EL
3X11W	□ plaster white	SP	lenses	NW 4000K	TS 966	1T4989EL
3X12W	□ plaster white	FL	lenses	WW 3000K	TS 967	1T4990EL
3X12W	□ plaster white	FL	lenses	NW 4000K	TS 967	1T4991EL
3X12W	□ plaster white	MWFL	facetted	WW 3000K	TS 968	1T4992EL
3X12W	□ plaster white	MWFL	facetted	NW 4000K	TS 968	1T4993EL
3X18W	□ deep black	SP	lenses	WW 3000K	TS 969	1T4994EL
3X18W	□ deep black	SP	lenses	NW 4000K	TS 969	1T4995EL
3X18W	□ deep black	MWFL	facetted	WW 3000K	TS 970	1T4996EL
3X18W	□ deep black	MWFL	facetted	NW 4000K	TS 970	1T4997EL
3X18W	□ plaster white	SP	lenses	WW 3000K	TS 969	1T4998EL
3X18W	□ plaster white	SP	lenses	NW 4000K	TS 969	1T4999EL
3X18W	□ plaster white	MWFL	facetted	WW 3000K	TS 970	1T5000EL
3X18W	□ plaster white	MWFL	facetted	NW 4000K	TS 970	1T5001EL







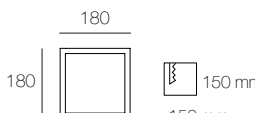
STORE MINI GIMBAL



Ra 84 DALI

LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
3X3W	deep black	NSP	lenses	WW 3000K	TS 965	1T4978DA
3X3W	deep black	NSP	lenses	NW 4000K	TS 965	1T4979DA
3X11W	deep black	SP	lenses	WW 3000K	TS 966	1T4980DA
3X11W	deep black	SP	lenses	NW 4000K	TS 966	1T4981DA
3X12W	deep black	FL	lenses	WW 3000K	TS 967	1T4982DA
3X12W	deep black	FL	lenses	NW 4000K	TS 967	1T4983DA
3X12W	deep black	MWFL	facetted	WW 3000K	TS 968	1T4984DA
3X12W	deep black	MWFL	facetted	NW 4000K	TS 968	1T4985DA
3X3W	plaster white	NSP	lenses	WW 3000K	TS 965	1T4986DA
3X3W	plaster white	NSP	lenses	NW 4000K	TS 965	1T4987DA
3X11W	plaster white	SP	lenses	WW 3000K	TS 966	1T4988DA
3X11W	plaster white	SP	lenses	NW 4000K	TS 966	1T4989DA
3X12W	plaster white	FL	lenses	WW 3000K	TS 967	1T4990DA
3X12W	plaster white	FL	lenses	NW 4000K	TS 967	1T4991DA
3X12W	plaster white	MWFL	facetted	WW 3000K	TS 968	1T4992DA
3X12W	plaster white	MWFL	facetted	NW 4000K	TS 968	1T4993DA
3X18W	deep black	SP	lenses	WW 3000K	TS 969	1T4994DA
3X18W	deep black	SP	lenses	NW 4000K	TS 969	1T4995DA
3X18W	deep black	MWFL	facetted	WW 3000K	TS 970	1T4996DA
3X18W	deep black	MWFL	facetted	NW 4000K	TS 970	1T4997DA
3X18W	plaster white	SP	lenses	WW 3000K	TS 969	1T4998DA
3X18W	plaster white	SP	lenses	NW 4000K	TS 969	1T4999DA
3X18W	plaster white	MWFL	facetted	WW 3000K	TS 970	1T5000DA
3X18W	plaster white	MWFL	facetted	NW 4000K	TS 970	1T5001DA

STORE MINI GIMBAL ACCESSORIES

OPTICAL ACCESSORIES		CODE
	Chromatic filters Interference flat glass filters. Diameter 50mm.	Red 49881
		Green 49882
		Blue 49887
		Yellow 49886
		Magenta 49959
	Tone filters Interference glass filters to vary the colour temperature of light. Diameter 50mm.	Gold 1T1748
		Cold 1T1745
		Peach 1T1751
	Blade of light filter PMMA holographic filter; more evident when combined with spot and flood optics. Diameter 50mm.	1T4721
	Anti-glare grid Black lacquered metal honeycomb structure. Complete with diffusive holographic filter.	1T4322
	Zoom Optical system consists of flat convex lens in optical glass, specular reflector in anodized aluminium and diffusive holographic filter. To be used after removing the existing optic. It can not be used with narrow spot optic. It allows to obtain a variable beam from 15 ° to 60 °.	1T4324
	Asymmetric screen Asymmetric screen in anodized diffusive aluminum, black painted outside. Complete with blade light filter. Ideal for a wall washer effect. To be combined with spot and flood optics.	1T4325
ACCESSORIES		
	Frame 1x	Black 1T5317
		White 1T5318



FIXED AND ADJUSTABLE LED RECESSED PROJECTOR



THE LED SOLUTION FOR ARCHITECTURAL ILLUMINATION

CCTLed ARCHITECTURAL is the latest addition to the CCTLed family. With the innovative downlight features, common denominators of all CCTLed products, which include the construction system, the size (same mounting diameter), the original heat sink and platform, this new low luminance version is particularly suitable for professional architectural illumination, providing high performance, precision and versatility. A complex optic system, four different beam widths, interchangeable reflectors and rings answering individual "architectural" project requirements and light engineering.



PROJECT ORIENTED SOLUTIONS

CCTLed ARCHITECTURAL is designed with the architectural project in mind, which is why one of its top features is the option of defining the aesthetic characteristics through the choice of 4 different secondary reflectors, without modifying the light emission in any way. The standard product is always supplied with a secondary reflector in metallized polycarbonate and matt finish, but can also be equipped with the specular aluminum version, the matt white finished version or the black matt solution for an "all black" finish. The different versions may be combined with the black or white, square or rounded rings in the CLASSIC version, or with the colour of the plaster ceilings for the TRIMLESS version. Integrating light into architecture has never been so simple.

CCTLed ARCHITECTURAL

PROFESSIONAL, COMPACT AND HIGH PERFORMING

Available in 2200 and 3200 lumen LED sources for both the fixed and adjustable versions, CCTLed ARCHITECTURAL's compactness sets it apart. With only maximum 151 mm in depth, and 160 mm in diameter they can guarantee a very low luminance.



CCTLed Architectural

Diameter

Ø 160mm

Recessed depth

H. 142mm fixed version
H. 151mm adjustable version

Colour temperature

2700K, 3000K, 4000K

Optics

Spot, Flood, Medium Wide Flood,
Wide Flood

CUTTING-EDGE OPTICAL SOLUTIONS

One of the strengths of CCTLED architectural is its optical system which is composed of three different elements: the optic chamber, the grooved collar and the secondary reflector. The heart of the system is the extractable and interchangeable optic chamber which contains the different optics with four different beam widths. The optic is locked to the cup by the use of a protective front element. The different accessories can be added simply by inserting them directly between the two main elements of the cup for a completely clean and secure effect.



LONG TERM RELIABILITY

As with the Downlight versions, the long term maintained performances of the LED source are guaranteed by the dissipation system. A distinctive feature both for its design and for the performance it guarantees. The LED source, available in 3000 / 4000 / 7000lm operates at a junction temperature far below that specified by the manufacturer, therefore guaranteeing a constant performance in time.

CLASSIC AND TRIMLESS

Two versions for two different architectural solutions. The CLASSIC version with two interchangeable rings (round and squared edged), and the TRIMLESS version with no visible ring. The installing procedure is the same for both versions: quick and easy thanks to the patented spring mechanism. The first is completed with the selected ring, the second requires no installation template and is finished by smooth plastering.



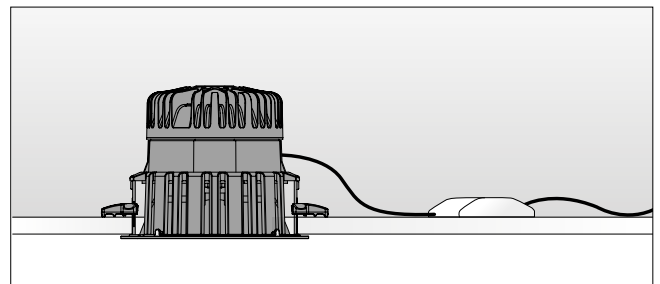
QUICK AND USER FRIENDLY INSTALLATION

The installation is identical for all versions: simple and quick by means of the patented new springs. The sliding of the brackets along a rack rod with an automatic progressive lock, provides a secure and immediate positioning of the fixture.



FLEXIBLE FEEDING INCLUDED

CCTLed comes equipped with a driver. Available in an electronic or dimmable 1-10V / DALI version for maximum control of lighting management.



ZOOM AND CUT OFF FOR HIGHLY PROFESSIONAL RESULTS

CCTLed ARCHITECTURAL can be equipped with two unique optic accessories. The CUT OFF considerably reduces the fall-off component, focusing the emission. The ZOOM is designed with a sophisticated system of lenses capable of defining a very precise and well distributed beam around the object, with a manually adjustable diameter.



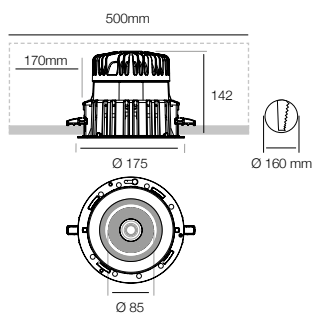
ZOOM



CUT OFF

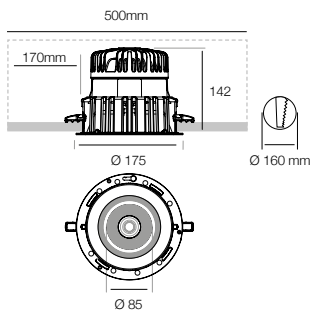
FIXED

Low luminance fixed recessed LED spotlight. Black painted die-cast aluminium body and heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra 84; Ra97 on request. Polycarbonate secondary reflector with matt metalized lower finish and anti-glare grooved black upper finish; primary Optic System made up of metallized polycarbonate precision optics with convex facets, an high reflectance mirror effect and covered with a "Scratch Proof Formula" treatment or composed of hybrid optic (anodized aluminium reflector and lens system in optical glass). Tool-free ultra-fast mounting system into false ceilings measuring from 0.5 to 30 mm. To be completed with decorative ring. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.

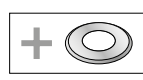


LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
14W	NSP	hybrid	WW 2700K	electronic	TS 920	1T4805EL
14W	NSP	hybrid	WW 2700K	DALI	TS 920	1T4805DA
14W	NSP	hybrid	WW 2700K	1/10V	TS 920	1T4805D
14W	NSP	hybrid	WW 3000K	electronic	TS 920	1T4801EL
14W	NSP	hybrid	WW 3000K	DALI	TS 920	1T4801DA
14W	NSP	hybrid	WW 3000K	1/10V	TS 920	1T4801D
14W	NSP	hybrid	NW 4000K	electronic	TS 920	1T4802EL
14W	NSP	hybrid	NW 4000K	DALI	TS 920	1T4802DA
14W	NSP	hybrid	NW 4000K	1/10V	TS 920	1T4802D
26W	FL	hybrid	WW 2700K	electronic	TS 921	1T4815EL
26W	FL	hybrid	WW 2700K	DALI	TS 921	1T4815DA
26W	FL	hybrid	WW 2700K	1/10V	TS 921	1T4815D
26W	FL	hybrid	WW 3000K	electronic	TS 921	1T4811EL
26W	FL	hybrid	WW 3000K	DALI	TS 921	1T4811DA
26W	FL	hybrid	WW 3000K	1/10V	TS 921	1T4811D
26W	FL	hybrid	NW 4000K	electronic	TS 921	1T4812EL
26W	FL	hybrid	NW 4000K	DALI	TS 921	1T4812DA
26W	FL	hybrid	NW 4000K	1/10V	TS 921	1T4812D

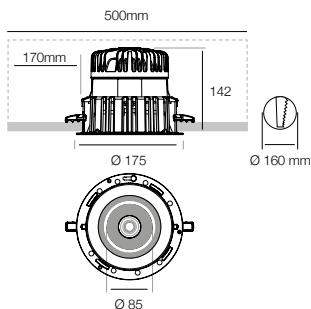




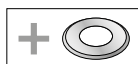
LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
25W	MWFL	faceted	WW 2700K	electronic	TS 738	1T3551EL
25W	MWFL	faceted	WW 2700K	DALI	TS 738	1T3551DA
25W	MWFL	faceted	WW 2700K	1/10V	TS 738	1T3551D
25W	MWFL	faceted	WW 3000K	electronic	TS 738	1T3114EL
25W	MWFL	faceted	WW 3000K	DALI	TS 738	1T3114DA
25W	MWFL	faceted	WW 3000K	1/10V	TS 738	1T3114D
25W	MWFL	faceted	NW 4000K	electronic	TS 738	1T3115EL
25W	MWFL	faceted	NW 4000K	DALI	TS 738	1T3115DA
25W	MWFL	faceted	NW 4000K	1/10V	TS 738	1T3115D
25W	WFL	faceted	WW 2700K	electronic	TS 739	1T3553EL
25W	WFL	faceted	WW 2700K	DALI	TS 739	1T3553DA
25W	WFL	faceted	WW 2700K	1/10V	TS 739	1T3553D
25W	WFL	faceted	WW 3000K	electronic	TS 739	1T3118EL
25W	WFL	faceted	WW 3000K	DALI	TS 739	1T3118DA
25W	WFL	faceted	WW 3000K	1/10V	TS 739	1T3118D
25W	WFL	faceted	NW 4000K	electronic	TS 739	1T3119EL
25W	WFL	faceted	NW 4000K	DALI	TS 739	1T3119DA
25W	WFL	faceted	NW 4000K	1/10V	TS 739	1T3119D
33W	SP	faceted	WW 2700K	electronic	TS 732	1T3548EL
33W	SP	faceted	WW 2700K	DALI	TS 732	1T3548DA
33W	SP	faceted	WW 2700K	1/10V	TS 732	1T3548D
33W	SP	faceted	WW 3000K	electronic	TS 732	1T3108EL
33W	SP	faceted	WW 3000K	DALI	TS 732	1T3108DA
33W	SP	faceted	WW 3000K	1/10V	TS 732	1T3108D
33W	SP	faceted	NW 4000K	electronic	TS 732	1T3109EL
33W	SP	faceted	NW 4000K	DALI	TS 732	1T3109DA
33W	SP	faceted	NW 4000K	1/10V	TS 732	1T3109D
33W	FL	faceted	WW 2700K	electronic	TS 733	1T3550EL
33W	FL	faceted	WW 2700K	DALI	TS 733	1T3550DA
33W	FL	faceted	WW 2700K	1/10V	TS 733	1T3550D
33W	FL	faceted	WW 3000K	electronic	TS 733	1T3112EL
33W	FL	faceted	WW 3000K	DALI	TS 733	1T3112DA
33W	FL	faceted	WW 3000K	1/10V	TS 733	1T3112D
33W	FL	faceted	NW 4000K	electronic	TS 733	1T3113EL
33W	FL	faceted	NW 4000K	DALI	TS 733	1T3113DA
33W	FL	faceted	NW 4000K	1/10V	TS 733	1T3113D



FIXED






LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
33W	MWFL	faceted	WW 2700K	electronic	TS 734	1T3552EL
33W	MWFL	faceted	WW 2700K	DALI	TS 734	1T3552DA
33W	MWFL	faceted	WW 2700K	1/10V	TS 734	1T3552D
33W	MWFL	faceted	WW 3000K	electronic	TS 734	1T3116EL
33W	MWFL	faceted	WW 3000K	DALI	TS 734	1T3116DA
33W	MWFL	faceted	WW 3000K	1/10V	TS 734	1T3116D
33W	MWFL	faceted	NW 4000K	electronic	TS 734	1T3117EL
33W	MWFL	faceted	NW 4000K	DALI	TS 734	1T3117DA
33W	MWFL	faceted	NW 4000K	1/10V	TS 734	1T3117D
33W	WFL	faceted	WW 2700K	electronic	TS 735	1T3554EL
33W	WFL	faceted	WW 2700K	DALI	TS 735	1T3554DA
33W	WFL	faceted	WW 2700K	1/10V	TS 735	1T3554D
33W	WFL	faceted	WW 3000K	electronic	TS 735	1T3120EL
33W	WFL	faceted	WW 3000K	DALI	TS 735	1T3120DA
33W	WFL	faceted	WW 3000K	1/10V	TS 735	1T3120D
33W	WFL	faceted	NW 4000K	electronic	TS 735	1T3121EL
33W	WFL	faceted	NW 4000K	DALI	TS 735	1T3121DA
33W	WFL	faceted	NW 4000K	1/10V	TS 735	1T3121D




Emergency kit	CODE
Emergency + battery pack 3h	1T3144

Accessories See page 140

RINGS							
	Rounded ring	White	1T2933		Squared ring	White	1T2935
		Black	1T3529			Black	1T3530
					Plaster ring	White	1T4213

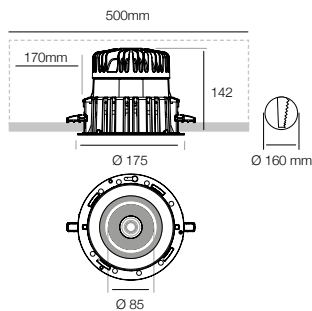
*To be completed with decorative ring.

SECONDARY ACCESSORY REFLECTORS		
	Specular	1T3138
	Black	1T3139
	White	1T3422

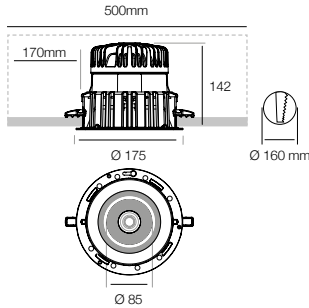
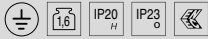
FIXED

Low luminance trimless fixed recessed LED spotlight for plasterboard false ceilings.

White painted die-cast aluminium body and black painted die-cast aluminium heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra84; Ra 97 on request. Polycarbonate secondary reflector with matt metallized lower finish and anti-glare texturised black upper finish; primary Optic System made up of metallized polycarbonate precision optics with convex facets, an high reflectance mirror effect and covered with a "Scratch Proof Formula" treatment or composed of hybrid optic (anodized aluminium reflector and lens system in optical glass). Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. No installation template required. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.

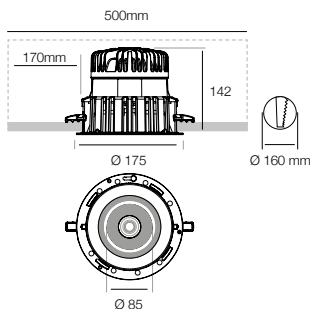


LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
14W	NSP	hybrid	WW 2700K	electronic	TS 920	1T4807EL
14W	NSP	hybrid	WW 2700K	DALI	TS 920	1T4807DA
14W	NSP	hybrid	WW 2700K	1/10V	TS 920	1T4807D
14W	NSP	hybrid	WW 3000K	electronic	TS 920	1T4803EL
14W	NSP	hybrid	WW 3000K	DALI	TS 920	1T4803DA
14W	NSP	hybrid	WW 3000K	1/10V	TS 920	1T4803D
14W	NSP	hybrid	NW 4000K	electronic	TS 920	1T4804EL
14W	NSP	hybrid	NW 4000K	DALI	TS 920	1T4804DA
14W	NSP	hybrid	NW 4000K	1/10V	TS 920	1T4804D
26W	FL	hybrid	WW 2700K	electronic	TS 921	1T4817EL
26W	FL	hybrid	WW 2700K	DALI	TS 921	1T4817DA
26W	FL	hybrid	WW 2700K	1/10V	TS 921	1T4817D
26W	FL	hybrid	WW 3000K	electronic	TS 921	1T4813EL
26W	FL	hybrid	WW 3000K	DALI	TS 921	1T4813DA
26W	FL	hybrid	WW 3000K	1/10V	TS 921	1T4813D
26W	FL	hybrid	NW 4000K	electronic	TS 921	1T4814EL
26W	FL	hybrid	NW 4000K	DALI	TS 921	1T4814DA
26W	FL	hybrid	NW 4000K	1/10V	TS 921	1T4814D



LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
25W	MWFL	facetted	WW 2700K	electronic	TS 738	1T3567EL
25W	MWFL	facetted	WW 2700K	DALI	TS 738	1T3567DA
25W	MWFL	facetted	WW 2700K	1/10V	TS 738	1T3567D
25W	MWFL	facetted	WW 3000K	electronic	TS 738	1T3130EL
25W	MWFL	facetted	WW 3000K	DALI	TS 738	1T3130DA
25W	MWFL	facetted	WW 3000K	1/10V	TS 738	1T3130D
25W	MWFL	facetted	NW 4000K	electronic	TS 738	1T3131EL
25W	MWFL	facetted	NW 4000K	DALI	TS 738	1T3131DA
25W	MWFL	facetted	NW 4000K	1/10V	TS 738	1T3131D
25W	WFL	facetted	WW 2700K	electronic	TS 739	1T3569EL
25W	WFL	facetted	WW 2700K	DALI	TS 739	1T3569DA
25W	WFL	facetted	WW 2700K	1/10V	TS 739	1T3569D
25W	WFL	facetted	WW 3000K	electronic	TS 739	1T3134EL
25W	WFL	facetted	WW 3000K	DALI	TS 739	1T3134DA
25W	WFL	facetted	WW 3000K	1/10V	TS 739	1T3134D
25W	WFL	facetted	NW 4000K	electronic	TS 739	1T3135EL
25W	WFL	facetted	NW 4000K	DALI	TS 739	1T3135DA
25W	WFL	facetted	NW 4000K	1/10V	TS 739	1T3135D
33W	SP	facetted	WW 2700K	electronic	TS 732	1T3564EL
33W	SP	facetted	WW 2700K	DALI	TS 732	1T3564DA
33W	SP	facetted	WW 2700K	1/10V	TS 732	1T3564D
33W	SP	facetted	WW 3000K	electronic	TS 732	1T3124EL
33W	SP	facetted	WW 3000K	DALI	TS 732	1T3124DA
33W	SP	facetted	WW 3000K	1/10V	TS 732	1T3124D
33W	SP	facetted	NW 4000K	electronic	TS 732	1T3125EL
33W	SP	facetted	NW 4000K	DALI	TS 732	1T3125DA
33W	SP	facetted	NW 4000K	1/10V	TS 732	1T3125D
33W	FL	facetted	WW 2700K	electronic	TS 733	1T3566EL
33W	FL	facetted	WW 2700K	DALI	TS 733	1T3566DA
33W	FL	facetted	WW 2700K	1/10V	TS 733	1T3566D
33W	FL	facetted	WW 3000K	electronic	TS 733	1T3128EL
33W	FL	facetted	WW 3000K	DALI	TS 733	1T3128DA
33W	FL	facetted	WW 3000K	1/10V	TS 733	1T3128D
33W	FL	facetted	NW 4000K	electronic	TS 733	1T3129EL
33W	FL	facetted	NW 4000K	DALI	TS 733	1T3129DA
33W	FL	facetted	NW 4000K	1/10V	TS 733	1T3129D

FIXED



LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
33W	MWFL	facetted	WW 2700K	electronic	TS 734	1T3568EL
33W	MWFL	facetted	WW 2700K	DALI	TS 734	1T3568DA
33W	MWFL	facetted	WW 2700K	1/10V	TS 734	1T3568D
33W	MWFL	facetted	WW 3000K	electronic	TS 734	1T3132EL
33W	MWFL	facetted	WW 3000K	DALI	TS 734	1T3132DA
33W	MWFL	facetted	WW 3000K	1/10V	TS 734	1T3132D
33W	MWFL	facetted	NW 4000K	electronic	TS 734	1T3133EL
33W	MWFL	facetted	NW 4000K	DALI	TS 734	1T3133DA
33W	MWFL	facetted	NW 4000K	1/10V	TS 734	1T3133D
33W	WFL	facetted	WW 2700K	electronic	TS 735	1T3570EL
33W	WFL	facetted	WW 2700K	DALI	TS 735	1T3570DA
33W	WFL	facetted	WW 2700K	1/10V	TS 735	1T3570D
33W	WFL	facetted	WW 3000K	electronic	TS 735	1T3136EL
33W	WFL	facetted	WW 3000K	DALI	TS 735	1T3136DA
33W	WFL	facetted	WW 3000K	1/10V	TS 735	1T3136D
33W	WFL	facetted	NW 4000K	electronic	TS 735	1T3137EL
33W	WFL	facetted	NW 4000K	DALI	TS 735	1T3137DA
33W	WFL	facetted	NW 4000K	1/10V	TS 735	1T3137D

Emergency kit	CODE
Emergency + battery pack 3h	1T3144
Accessories See page 140	

SECONDARY ACCESSORIES REFLECTORS

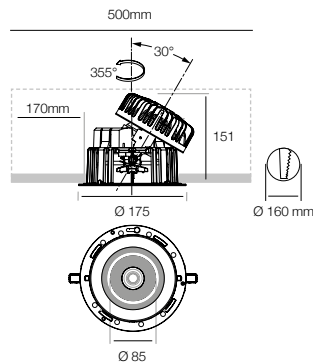


Specular	1T3138
Black	1T3139
White	1T3422

ADJUSTABLE

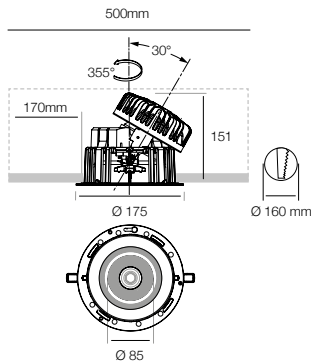
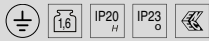
Low luminance adjustable recessed LED spotlight.

Black painted die-cast aluminium body and heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra84; Ra 97 on request. Polycarbonate secondary reflector with matt metallized lower finish and anti-glare grooved black upper finish; primary Optic System made up of metallized polycarbonate precision optics with convex facets, an high reflectance mirror effect and covered with a "Scratch Proof Formula" treatment or composed of hybrid optic (anodized aluminium reflector and lens system in optical glass). Adjustable 355° in the horizontal plane and 30° in the vertical plane with micrometric aiming system. Double aiming lock. Tool-free ultra-fast mounting system into false ceilings measuring from 0.5 to 30 mm. To be completed with decorative ring. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
14W	NSP	hybrid	WW 2700K	electronic	TS 920	1T4806EL
14W	NSP	hybrid	WW 2700K	DALI	TS 920	1T4806DA
14W	NSP	hybrid	WW 2700K	1/10V	TS 920	1T4806D
14W	NSP	hybrid	WW 3000K	electronic	TS 920	1T4797EL
14W	NSP	hybrid	WW 3000K	DALI	TS 920	1T4797DA
14W	NSP	hybrid	WW 3000K	1/10V	TS 920	1T4797D
14W	NSP	hybrid	NW 4000K	electronic	TS 920	1T4798EL
14W	NSP	hybrid	NW 4000K	DALI	TS 920	1T4798DA
14W	NSP	hybrid	NW 4000K	1/10V	TS 920	1T4798D
26W	FL	hybrid	WW 2700K	electronic	TS 921	1T4816EL
26W	FL	hybrid	WW 2700K	DALI	TS 921	1T4816DA
26W	FL	hybrid	WW 2700K	1/10V	TS 921	1T4816D
26W	FL	hybrid	WW 3000K	electronic	TS 921	1T4819EL
26W	FL	hybrid	WW 3000K	DALI	TS 921	1T4819DA
26W	FL	hybrid	WW 3000K	1/10V	TS 921	1T4819D
26W	FL	hybrid	NW 4000K	electronic	TS 921	1T4820EL
26W	FL	hybrid	NW 4000K	DALI	TS 921	1T4820DA
26W	FL	hybrid	NW 4000K	1/10V	TS 921	1T4820D

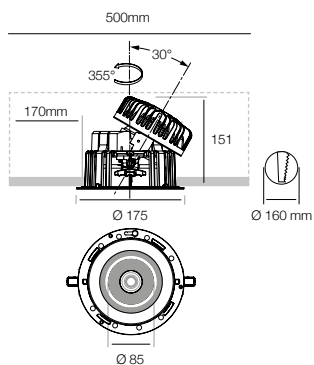




LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
25W	MWFL	faceted	WW 2700K	electronic	TS 738	1T3559EL
25W	MWFL	faceted	WW 2700K	DALI	TS 738	1T3559DA
25W	MWFL	faceted	WW 2700K	1/10V	TS 738	1T3559D
25W	MWFL	faceted	WW 3000K	electronic	TS 738	1T3082EL
25W	MWFL	faceted	WW 3000K	DALI	TS 738	1T3082DA
25W	MWFL	faceted	WW 3000K	1/10V	TS 738	1T3082D
25W	MWFL	faceted	NW 4000K	electronic	TS 738	1T3083EL
25W	MWFL	faceted	NW 4000K	DALI	TS 738	1T3083DA
25W	MWFL	faceted	NW 4000K	1/10V	TS 738	1T3083D
25W	WFL	faceted	WW 2700K	electronic	TS 739	1T3561EL
25W	WFL	faceted	WW 2700K	DALI	TS 739	1T3561DA
25W	WFL	faceted	WW 2700K	1/10V	TS 739	1T3561D
25W	WFL	faceted	WW 3000K	electronic	TS 739	1T3086EL
25W	WFL	faceted	WW 3000K	DALI	TS 739	1T3086DA
25W	WFL	faceted	WW 3000K	1/10V	TS 739	1T3086D
25W	WFL	faceted	NW 4000K	electronic	TS 739	1T3087EL
25W	WFL	faceted	NW 4000K	DALI	TS 739	1T3087DA
25W	WFL	faceted	NW 4000K	1/10V	TS 739	1T3087D
33W	SP	faceted	WW 2700K	electronic	TS 732	1T3556EL
33W	SP	faceted	WW 2700K	DALI	TS 732	1T3556DA
33W	SP	faceted	WW 2700K	1/10V	TS 732	1T3556D
33W	SP	faceted	WW 3000K	electronic	TS 732	1T3076EL
33W	SP	faceted	WW 3000K	DALI	TS 732	1T3076DA
33W	SP	faceted	WW 3000K	1/10V	TS 732	1T3076D
33W	SP	faceted	NW 4000K	electronic	TS 732	1T3077EL
33W	SP	faceted	NW 4000K	DALI	TS 732	1T3077DA
33W	SP	faceted	NW 4000K	1/10V	TS 732	1T3077D
33W	FL	faceted	WW 2700K	electronic	TS 733	1T3558EL
33W	FL	faceted	WW 2700K	DALI	TS 733	1T3558DA
33W	FL	faceted	WW 2700K	1/10V	TS 733	1T3558D
33W	FL	faceted	WW 3000K	electronic	TS 733	1T3080EL
33W	FL	faceted	WW 3000K	DALI	TS 733	1T3080DA
33W	FL	faceted	WW 3000K	1/10V	TS 733	1T3080D
33W	FL	faceted	NW 4000K	electronic	TS 733	1T3081EL
33W	FL	faceted	NW 4000K	DALI	TS 733	1T3081DA
33W	FL	faceted	NW 4000K	1/10V	TS 733	1T3081D



ADJUSTABLE






LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
33W	MWFL	faceted	WW 2700K	electronic	TS 734	1T3560EL
33W	MWFL	faceted	WW 2700K	DALI	TS 734	1T3560DA
33W	MWFL	faceted	WW 2700K	1/10V	TS 734	1T3560D
33W	MWFL	faceted	WW 3000K	electronic	TS 734	1T3084EL
33W	MWFL	faceted	WW 3000K	DALI	TS 734	1T3084DA
33W	MWFL	faceted	WW 3000K	1/10V	TS 734	1T3084D
33W	MWFL	faceted	NW 4000K	electronic	TS 734	1T3085EL
33W	MWFL	faceted	NW 4000K	DALI	TS 734	1T3085DA
33W	MWFL	faceted	NW 4000K	1/10V	TS 734	1T3085D
33W	WFL	faceted	WW 2700K	electronic	TS 735	1T3562EL
33W	WFL	faceted	WW 2700K	DALI	TS 735	1T3562DA
33W	WFL	faceted	WW 2700K	1/10V	TS 735	1T3562D
33W	WFL	faceted	WW 3000K	electronic	TS 735	1T3088EL
33W	WFL	faceted	WW 3000K	DALI	TS 735	1T3088DA
33W	WFL	faceted	WW 3000K	1/10V	TS 735	1T3088D
33W	WFL	faceted	NW 4000K	electronic	TS 735	1T3089EL
33W	WFL	faceted	NW 4000K	DALI	TS 735	1T3089DA
33W	WFL	faceted	NW 4000K	1/10V	TS 735	1T3089D




Emergency kit	CODE
Emergency + battery pack 3h	1T3144
Accessories See page 140	

RINGS

	Rounded ring	White	1T2933		Squared ring	White	1T2935
		Black	1T3529			Black	1T3530
					Plaster ring*	White	1T4213

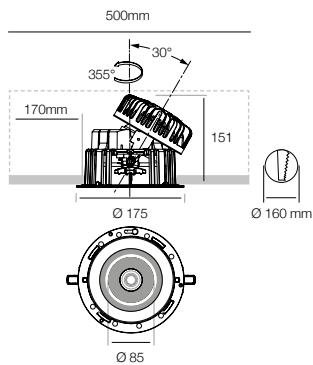
*To be completed with decorative ring.

SECONDARY ACCESSORY REFLECTORS

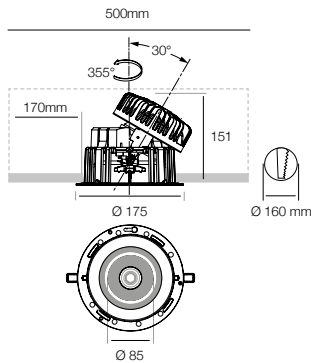
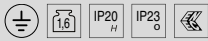
	Specular	1T3138
	Black	1T3139
	White	1T3422

ADJUSTABLE

Low luminance trimless adjustable recessed LED spotlight for plasterboard false ceilings. White painted die-cast aluminium body and black painted die-cast aluminium heat sink. Warm white (2700K and 3000K) or neutral white (4000K) high output LED with Ra84; Ra97 on request. Polycarbonate secondary reflector with matt metallized lower finish and anti-glare texturised black upper finish; primary Optic System made up of metallized polycarbonate precision optics with convex facets, an high reflectance mirror effect and covered with a "Scratch Proof Formula" treatment or composed of hybrid optic (anodized aluminium reflector and lens system in optical glass). Adjustable 355° in the horizontal plane and 30° in the vertical plane with micrometric adjustment system. Double aiming lock. Ultra rapid tools free mounting system for false ceiling installation from 0,5 to 30mm. No installation template required. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.

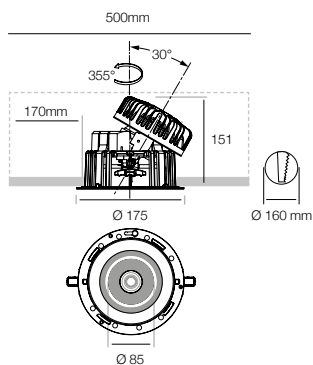


LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE
14W	NSP	hybrid	WW 2700K	electronic	TS 920	1T4808EL
14W	NSP	hybrid	WW 2700K	DALI	TS 920	1T4808DA
14W	NSP	hybrid	WW 2700K	1/10V	TS 920	1T4808D
14W	NSP	hybrid	WW 3000K	electronic	TS 920	1T4799EL
14W	NSP	hybrid	WW 3000K	DALI	TS 920	1T4799DA
14W	NSP	hybrid	WW 3000K	1/10V	TS 920	1T4799D
14W	NSP	hybrid	NW 4000K	electronic	TS 920	1T4800EL
14W	NSP	hybrid	NW 4000K	DALI	TS 920	1T4800DA
14W	NSP	hybrid	NW 4000K	1/10V	TS 920	1T4800D
26W	FL	hybrid	WW 2700K	electronic	TS 921	1T4818EL
26W	FL	hybrid	WW 2700K	DALI	TS 921	1T4818DA
26W	FL	hybrid	WW 2700K	1/10V	TS 921	1T4818D
26W	FL	hybrid	WW 3000K	electronic	TS 921	1T4809EL
26W	FL	hybrid	WW 3000K	DALI	TS 921	1T4809DA
26W	FL	hybrid	WW 3000K	1/10V	TS 921	1T4809D
26W	FL	hybrid	NW 4000K	electronic	TS 921	1T4810EL
26W	FL	hybrid	NW 4000K	DALI	TS 921	1T4810DA
26W	FL	hybrid	NW 4000K	1/10V	TS 921	1T4810D



LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
25W	MWFL	facetted	WW 2700K	electronic	TS 738	1T3575EL
25W	MWFL	facetted	WW 2700K	DALI	TS 738	1T3575DA
25W	MWFL	facetted	WW 2700K	1/10V	TS 738	1T3575D
25W	MWFL	facetted	WW 3000K	electronic	TS 738	1T3098EL
25W	MWFL	facetted	WW 3000K	DALI	TS 738	1T3098DA
25W	MWFL	facetted	WW 3000K	1/10V	TS 738	1T3098D
25W	MWFL	facetted	NW 4000K	electronic	TS 738	1T3099EL
25W	MWFL	facetted	NW 4000K	DALI	TS 738	1T3099DA
25W	MWFL	facetted	NW 4000K	1/10V	TS 738	1T3099D
25W	WFL	facetted	WW 2700K	electronic	TS 739	1T3577EL
25W	WFL	facetted	WW 2700K	DALI	TS 739	1T3577DA
25W	WFL	facetted	WW 2700K	1/10V	TS 739	1T3577D
25W	WFL	facetted	WW 3000K	electronic	TS 739	1T3102EL
25W	WFL	facetted	WW 3000K	DALI	TS 739	1T3102DA
25W	WFL	facetted	WW 3000K	1/10V	TS 739	1T3102D
25W	WFL	facetted	NW 4000K	electronic	TS 739	1T3103EL
25W	WFL	facetted	NW 4000K	DALI	TS 739	1T3103DA
25W	WFL	facetted	NW 4000K	1/10V	TS 739	1T3103D
33W	SP	facetted	WW 2700K	electronic	TS 732	1T3572EL
33W	SP	facetted	WW 2700K	DALI	TS 732	1T3572DA
33W	SP	facetted	WW 2700K	1/10V	TS 732	1T3572D
33W	SP	facetted	WW 3000K	electronic	TS 732	1T3092EL
33W	SP	facetted	WW 3000K	DALI	TS 732	1T3092DA
33W	SP	facetted	WW 3000K	1/10V	TS 732	1T3092D
33W	SP	facetted	NW 4000K	electronic	TS 732	1T3093EL
33W	SP	facetted	NW 4000K	DALI	TS 732	1T3093DA
33W	SP	facetted	NW 4000K	1/10V	TS 732	1T3093D
33W	FL	facetted	WW 2700K	electronic	TS 733	1T3574EL
33W	FL	facetted	WW 2700K	DALI	TS 733	1T3574DA
33W	FL	facetted	WW 2700K	1/10V	TS 733	1T3574D
33W	FL	facetted	WW 3000K	electronic	TS 733	1T3096EL
33W	FL	facetted	WW 3000K	DALI	TS 733	1T3096DA
33W	FL	facetted	WW 3000K	1/10V	TS 733	1T3096D
33W	FL	facetted	NW 4000K	electronic	TS 733	1T3097EL
33W	FL	facetted	NW 4000K	DALI	TS 733	1T3097DA
33W	FL	facetted	NW 4000K	1/10V	TS 733	1T3097D

ADJUSTABLE



LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
33W	MWFL	faceted	WW 2700K	electronic	TS 734	1T3576EL
33W	MWFL	faceted	WW 2700K	DALI	TS 734	1T3576DA
33W	MWFL	faceted	WW 2700K	1/10V	TS 734	1T3576D
33W	MWFL	faceted	WW 3000K	electronic	TS 734	1T3100EL
33W	MWFL	faceted	WW 3000K	DALI	TS 734	1T3100DA
33W	MWFL	faceted	WW 3000K	1/10V	TS 734	1T3100D
33W	MWFL	faceted	NW 4000K	electronic	TS 734	1T3101EL
33W	MWFL	faceted	NW 4000K	DALI	TS 734	1T3101DA
33W	MWFL	faceted	NW 4000K	1/10V	TS 734	1T3101D
33W	WFL	faceted	WW 2700K	electronic	TS 735	1T3578EL
33W	WFL	faceted	WW 2700K	DALI	TS 735	1T3578DA
33W	WFL	faceted	WW 2700K	1/10V	TS 735	1T3578D
33W	WFL	faceted	WW 3000K	electronic	TS 735	1T3104EL
33W	WFL	faceted	WW 3000K	DALI	TS 735	1T3104DA
33W	WFL	faceted	WW 3000K	1/10V	TS 735	1T3104D
33W	WFL	faceted	NW 4000K	electronic	TS 735	1T3105EL
33W	WFL	faceted	NW 4000K	DALI	TS 735	1T3105DA
33W	WFL	faceted	NW 4000K	1/10V	TS 735	1T3105D

Emergency kit	CODE
Emergency + battery pack 3h	1T3144

Accessories See page 140

SECONDARY ACCESSORIES REFLECTORS

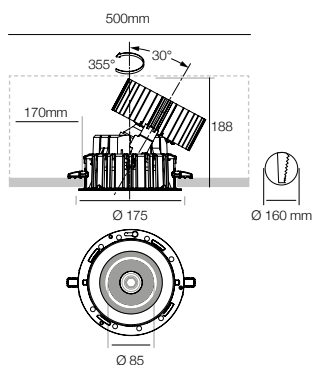


Specular	1T3138
Black	1T3139
White	1T3422

ADJUSTABLE

Low luminance adjustable recessed LED spotlight.

Black painted aluminium body. Black anodized extruded aluminum heat sink. Adjustable graduated mounting bracket in black finish. Warm white (3000K) or neutral white (4000K) high output LED with Ra84; Ra 97 on request. Polycarbonate secondary reflector with matt metallized lower finish and anti-glare grooved black upper finish; primary Optic System made up of metallized polycarbonate precision optics with convex facets, an high reflectance mirror effect and covered with a "Scratch Proof Formula" treatment. Adjustable 355° in the horizontal plane and 30° in the vertical plane with micrometric aiming system. Double aiming lock. Tool-free ultra-fast mounting system into false ceilings measuring from 0.5 to 30 mm. To be completed with decorative ring. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.






LED	EMISSION	OPTIC	LED COLOR	POWER SUPPLY	△	CODE.
54W	SP	facetted	WW 3000K	electronic	TS 914	1T4838EL
54W	SP	facetted	WW 3000K	DALI	TS 914	1T4838DA
54W	SP	facetted	WW 3000K	1/10V	TS 914	1T4838D
54W	SP	facetted	NW 4000K	electronic	TS 914	1T4839EL
54W	SP	facetted	NW 4000K	DALI	TS 914	1T4839DA
54W	SP	facetted	NW 4000K	1/10V	TS 914	1T4839D
54W	FL	facetted	WW 3000K	electronic	TS 915	1T4840EL
54W	FL	facetted	WW 3000K	DALI	TS 915	1T4840DA
54W	FL	facetted	WW 3000K	1/10V	TS 915	1T4840D
54W	FL	facetted	NW 4000K	electronic	TS 915	1T4841EL
54W	FL	facetted	NW 4000K	DALI	TS 915	1T4841DA
54W	FL	facetted	NW 4000K	1/10V	TS 915	1T4841D



Emergency kit	CODE
Emergency + battery pack 3h	1T3144


Accessories See page 140

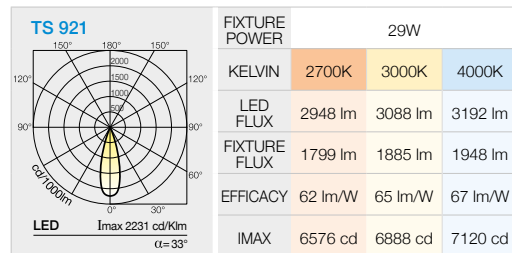
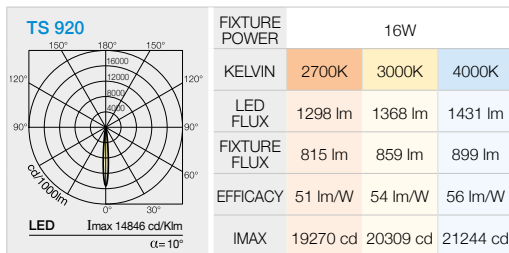
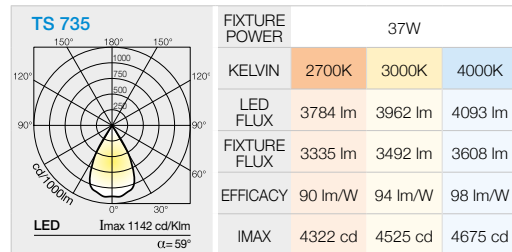
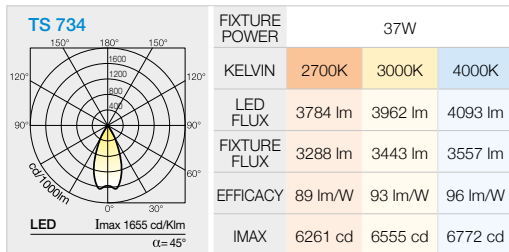
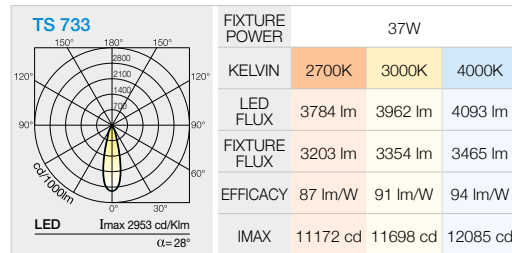
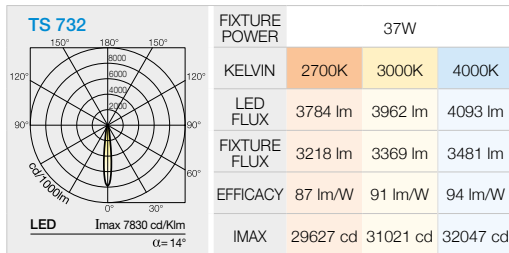
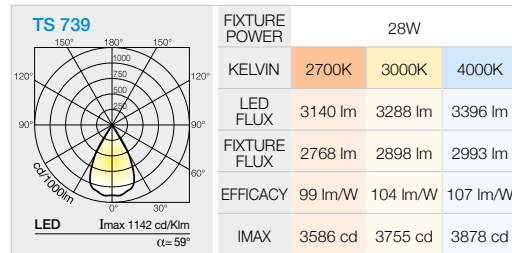
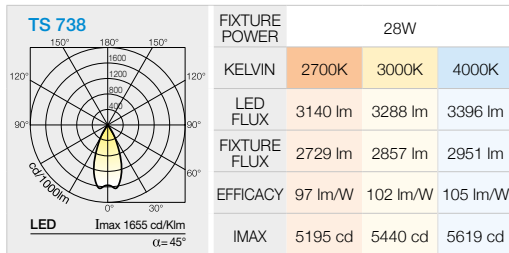
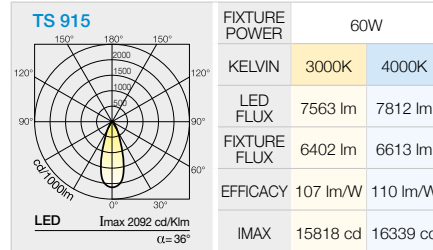
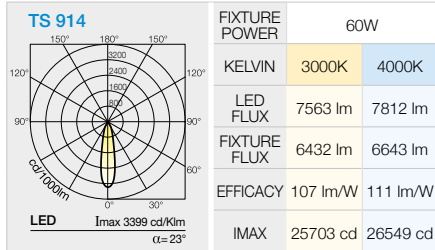
RINGS

	Rounded ring	White	1T2933		Squared ring	White	1T2935
		Black	1T3529			Black	1T3530
					Plaster ring*	White	1T4213

*To be completed with decorative ring.

SECONDARY ACCESSORY REFLECTORS

	Specular	1T3138
	Black	1T3139
	White	1T3422



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



Opera House Theater - Florence, Italy
Project: ABDR Associati - Lighting design: Studio Baldieri - Photographer: Luigi Filetici

OPTICAL ACCESSORIES



Chromatic filters
Interference flat glass filters.

Red	1T3424
Green	1T3425
Blue	1T3426
Yellow	1T3427
Magenta	1T3428



Tone filters
Interference flat glass filters to vary the colour temperature of light.

Gold	1T3431
Cold	1T3429
Peach	1T3430



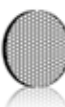
Blade light filter
Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.

[1T3141](#)



Diffusive filter
Microprismatic refractive flat glass filter. This softens the luminous effect.

[1T3140](#)



Anti-glare grid
Black lacquered metal honeycomb grid.

[1T3423](#)



Cut-off Tube
Allows for the beam to be focused while removing the fall-off component.

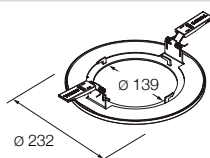
[1T3142](#)



Zoom
Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.

[1T3432](#)

INSTALLATION ACCESSORIES



Retrofit kit for CCTLed*
Outer ring in white polycarbonate with bayonet locking system. Suitable for recessing holes between 190 and 215mm. Metal body complete with rapid mounting system for false ceilings between 1 and 25mm thick. The accessory is not compatible with the decorative rings available for CCTLed.

[1T3725](#)



IP54 ring*
Squared ring with transparent screen

[1T2937](#)

* Accessories not compatible with the Trimless versions.

POWER SUPPLY ACCESSOIRES

Synchronization cable
Synchronizes the dimming between 2 drivers. It is possible to connect up to 10 driver in order to maintain a uniform effect for all fixtures. L.1500.

[1T2833](#)



Opera House Theater - Florence, Italy
Project: ABDR Associati - Lighting design: Studio Baldieri - Photographer: Luigi Filetici

CCTLed ARCHITECTURAL MINI

CLASSIC



TRIMLESS



NEW COMPACT VERSIONS FOR THE CCTLED RANGE

Quality effects especially for architectural design. This is the mission for the new LED recessed downlight, CCTLed Architectural Mini by Targetti. It gets its purpose, design philosophy and flexibility from the larger version combined with its reduced size, two different optical systems for five different light effects and a series of rings and reflectors to customize it elegantly.

ONE DIAMETER, DIFFERENT SOLUTIONS

CCTLed Architectural Mini is available with different power outputs, two different heights and multiple configurations, but with the same recess dimensions. Fixed or adjustable versions with mechanical aiming and locking system, trimless finish and classic finish with dedicated rings and reflectors of various colours for the classic finish. All can be fitted with two different optical systems that produce multiple light effects: clean and precise or soft, wide beams.

TWO OPTICAL SYSTEMS

CCTLed Architectural Mini is fitted with two different optical systems. The first has aluminium micro optics for high performance with soft, wide beams. The second has new PMMA lenses for more defined, precise beams where precision is a fundamental design requirement.

- Die-cast aluminium heat sink with a separate optical chamber. The adjustable version can move up to 30°
- "Proprietary" lenses and optics for different light effects
- Removable front to mount various accessories
- Injection moulded polymer frame
- Interchangeable internal reflectors
- Decorative rings in different shapes and sizes



Schomdorf Town hall, Stuttgart, Germany - interior design: Ippolito Fleitz Group, Germany - Photographer: Zoëy Braun



RINGS AND REFLECTORS FOR A DIFFERENT DRESS

One of the qualities of CCTLed Mini is its ability to always "appear" differently. It knows how to be discrete and camouflage with the architecture with its trimless finish or acquire a more decisive character when accessorised with different reflectors and coordinated rings. White, black and the new "gold" and "copper" reflectors for elegant solutions with a certain value. White and black round and square rings for architectural projects and the retail sector.

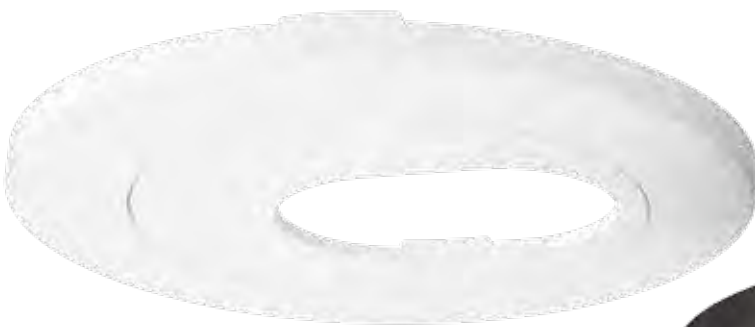
HIGH QUALITY LED

The LED sources in the CCTLed Architectural Mini are among the best on the market, available in two different colour temperatures (3000K and 4000K), with Ra 84 and supplied with higher colour rendering on request; together with the optical systems means maximum efficiency in a small dimension.



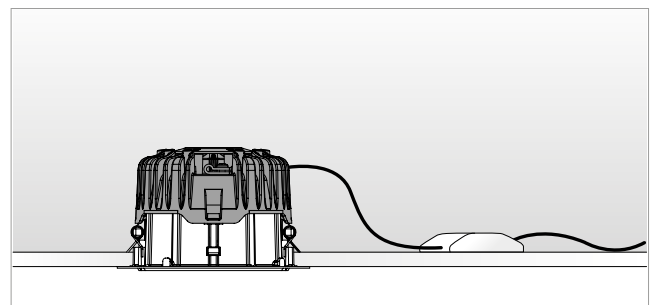
PINHOLE TRIM RINGS FOR ACCENTUATED EFFECTS

If you are looking for a more precise, punctual effect and full camouflage of the unit the "pinhole" configuration is the ideal choice. Two different rings, one for the fixed version and one for the adjustable version for a highly controlled luminance without any blurred edges. A highly professional effect with a small footprint.



FLEXIBLE FEEDING INCLUDED

CCTLed Architectural Mini comes equipped with a driver. Available in an electronic or dimmable DALI version for maximum control of lighting management.

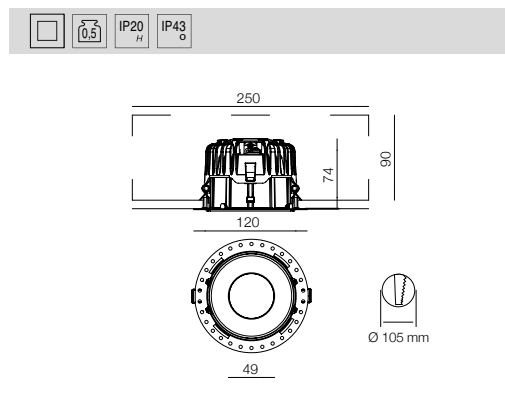


CCTLed ARCHITECTURAL MINI

FIXED

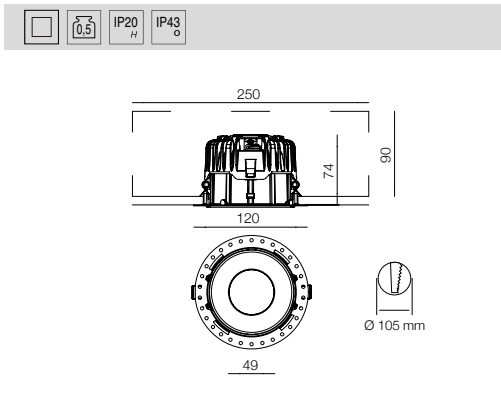
Low luminance LED recessed projector. Painted black die-cast aluminium heat sink. White nylon body for trimless installations in plasterboard false ceilings or with a decorative ring accessory for standard installations. High output LED in warm white (3000K) or neutral white (4000K) with Ra84; Ra97 on request. Secondary reflector in painted white polycarbonate matt aluminium. Optical unit complete with removable front ring to insert dedicated optical accessories, fitted with methacrylate lenses in the Spot and Flood versions or precision optics with polished anodised aluminium convex facets for the Medium wide flood and Wideflood versions. Rapid mounting system with springs for installation in false ceilings from 0,5 to 25mm. Passive dissipation system. Complete with driver for the basic electronic and the dimmable DALI versions.

220-240V 50/60Hz



OPTIC WITH METHACRYLATE LENSES

LED	OPTIC	LED COLOR	POWER SUPPLY	△	COD.
11W	SP	WW 3000K	electronic	TS 874	1T4644EL
11W	SP	NW 4000K	electronic	TS 874	1T4645EL
11W	SP	WW 3000K	DALI	TS 874	1T4644DA
11W	SP	NW 4000K	DALI	TS 874	1T4645DA
12W	FL	WW 3000K	electronic	TS 872	1T4648EL
12W	FL	NW 4000K	electronic	TS 872	1T4649EL
12W	FL	WW 3000K	DALI	TS 872	1T4648DA
12W	FL	NW 4000K	DALI	TS 872	1T4649DA
18W	SP	WW 3000K	electronic	TS 870	1T4656EL
18W	SP	NW 4000K	electronic	TS 870	1T4657EL
18W	SP	WW 3000K	DALI	TS 870	1T4656DA
18W	SP	NW 4000K	DALI	TS 870	1T4657DA





OPTIC WITH CONVEX FACETS


LED	OPTIC	LED COLOR	POWER SUPPLY	△	COD.
12W	MWFL	WW 3000K	electronic	TS 873	1T4652EL
12W	MWFL	NW 4000K	electronic	TS 873	1T4653EL
12W	MWFL	WW 3000K	DALI	TS 873	1T4652DA
12W	MWFL	NW 4000K	DALI	TS 873	1T4653DA
18W	MWFL	WW 3000K	electronic	TS 869	1T4660EL
18W	MWFL	NW 4000K	electronic	TS 869	1T4661EL
18W	MWFL	WW 3000K	DALI	TS 869	1T4660DA
18W	MWFL	NW 4000K	DALI	TS 869	1T4661DA
18W	WFL	WW 3000K	electronic	TS 871	1T4664EL
18W	WFL	NW 4000K	electronic	TS 871	1T4665EL
18W	WFL	WW 3000K	DALI	TS 871	1T4664DA
18W	WFL	NW 4000K	DALI	TS 871	1T4665DA

Trimless version doesn't need the ring accessory.

RINGS

	Round ring	White	1T4696
		Black	1T4697
	Squared ring	White	1T4698
		Black	1T4699
	Pinhole ring	White	1T4700
		Black	1T4701
	Round ring (IP54)	White	1T4704
		Black	1T4705

SECONDARY ACCESSORIES REFLECTORS

	Reflector	White	1T4706
		Black	1T4707
		Copper	1T4708
		Gold	1T4709

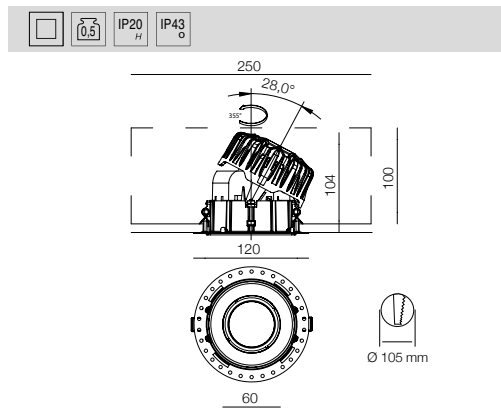
CCTLed ARCHITECTURAL MINI

ADJUSTABLE

Low luminance LED recessed adjustable projector.

Painted black die-cast aluminium heat sink. Black polycarbonate interface. White nylon body for trimless installations in plasterboard false ceilings or with a decorative ring accessory for standard installations. High output LED in warm white (3000K) or neutral white (4000K) with Ra 84; Ra 97 on request. Secondary reflector in painted white polycarbonate matt aluminium. Optical unit complete with removable front ring to insert dedicated optical accessories, fitted with methacrylate lenses in the Narrow Spot, Spot and Flood versions or precision optics with polished anodised aluminium convex facets for the Medium wide flood and Wideflood versions. Adjustable horizontally to 355° and vertically to 30° with a micrometric aiming system. Beam locking. Rapid mounting system with springs for installation in false ceilings from 0,5 to 25mm. Passive dissipation system. Complete with driver for the basic electronic and dimmable DALI versions.

220-240V 50/60Hz



OPTIC WITH METHACRYLATE LENSES

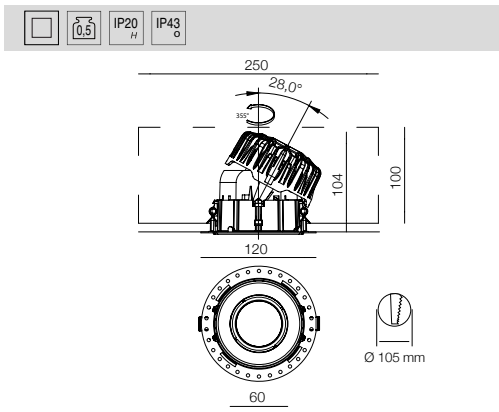
LED	OPTIC	LED COLOR	POWER SUPPLY	△	COD.
3W	NSP	WW 3000K	electronic	TS 875	1T4668EL
3W	NSP	NW 4000K	electronic	TS 875	1T4669EL
3W	NSP	WW 3000K	DALI	TS 875	1T4668DA
3W	NSP	NW 4000K	DALI	TS 875	1T4669DA
11W	SP	WW 3000K	electronic	TS 874	1T4672EL
11W	SP	NW 4000K	electronic	TS 874	1T4673EL
11W	SP	WW 3000K	DALI	TS 874	1T4672DA
11W	SP	NW 4000K	DALI	TS 874	1T4673DA
12W	FL	WW 3000K	electronic	TS 872	1T4676EL
12W	FL	NW 4000K	electronic	TS 872	1T4677EL
12W	FL	WW 3000K	DALI	TS 872	1T4676DA
12W	FL	NW 4000K	DALI	TS 872	1T4677DA
18W	SP	WW 3000K	electronic	TS 870	1T4684EL
18W	SP	NW 4000K	electronic	TS 870	1T4685EL
18W	SP	WW 3000K	DALI	TS 870	1T4684DA
18W	SP	NW 4000K	DALI	TS 870	1T4685DA

SECONDARY ACCESSORIES REFLECTORS



Reflector

White	1T4710
Black	1T4711
Copper	1T4712
Gold	1T4713








OPTIC WITH CONVEX FACETS

LED	OPTIC	LED COLOR	POWER SUPPLY	△	COD.
12W	MWFL	WW 3000K	electronic	TS 873	1T4680EL
12W	MWFL	NW 4000K	electronic	TS 873	1T4681EL
12W	MWFL	WW 3000K	DALI	TS 873	1T4680DA
12W	MWFL	NW 4000K	DALI	TS 873	1T4681DA
18W	MWFL	WW 3000K	electronic	TS 869	1T4688EL
18W	MWFL	NW 4000K	electronic	TS 869	1T4689EL
18W	MWFL	WW 3000K	DALI	TS 869	1T4688DA
18W	MWFL	NW 4000K	DALI	TS 869	1T4689DA
18W	WFL	WW 3000K	electronic	TS 871	1T4692EL
18W	WFL	NW 4000K	electronic	TS 871	1T4693EL
18W	WFL	WW 3000K	DALI	TS 871	1T4692DA
18W	WFL	NW 4000K	DALI	TS 871	1T4693DA






Trimless version doesn't need the ring accessory.

RINGS


	Round ring	White	1T4696
		Black	1T4697
	Squared ring	White	1T4698
		Black	1T4699
	Pinhole ring	White	1T4702
		Black	1T4703
	Round ring (IP54)	White	1T4704
		Black	1T4705
	Decorative Ring Squared ring with squared hole	White / White	1T4714
		Black / Black	1T4715
		White / Grey	1T4716
		White / Black	1T4717
		White / Copper	1T4718
		White / Gold	1T4719
		Black / Gold	1T4720

CCTLed ARCHITECTURAL MINI

<p>TS 869</p> <p>LED I_{max} 1372 cd/Klm $\alpha = 48^\circ$</p>	<p>FIXTURE POWER 21W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2248 lm</td> <td>2323 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1860 lm</td> <td>1922 lm</td> </tr> <tr> <td>EFFICACY</td> <td>89 lm/W</td> <td>91 lm/W</td> </tr> <tr> <td>IMAX</td> <td>3084 cd</td> <td>3187 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	2248 lm	2323 lm	FIXTURE FLUX	1860 lm	1922 lm	EFFICACY	89 lm/W	91 lm/W	IMAX	3084 cd	3187 cd	<p>TS 870</p> <p>LED I_{max} 3570 cd/Klm $\alpha = 24^\circ$</p>	<p>FIXTURE POWER 21W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2248 lm</td> <td>2323 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1641 lm</td> <td>1696 lm</td> </tr> <tr> <td>EFFICACY</td> <td>77 lm/W</td> <td>80 lm/W</td> </tr> <tr> <td>IMAX</td> <td>8025 cd</td> <td>8293 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	2248 lm	2323 lm	FIXTURE FLUX	1641 lm	1696 lm	EFFICACY	77 lm/W	80 lm/W	IMAX	8025 cd	8293 cd	<p>TS 871</p> <p>LED I_{max} 976 cd/Klm $\alpha = 60^\circ$</p>	<p>FIXTURE POWER 21W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2248 lm</td> <td>2323 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1804 lm</td> <td>1864 lm</td> </tr> <tr> <td>EFFICACY</td> <td>86 lm/W</td> <td>89 lm/W</td> </tr> <tr> <td>IMAX</td> <td>2194 cd</td> <td>2267 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	2248 lm	2323 lm	FIXTURE FLUX	1804 lm	1864 lm	EFFICACY	86 lm/W	89 lm/W	IMAX	2194 cd	2267 cd
KELVIN	3000K	4000K																																																
LED FLUX	2248 lm	2323 lm																																																
FIXTURE FLUX	1860 lm	1922 lm																																																
EFFICACY	89 lm/W	91 lm/W																																																
IMAX	3084 cd	3187 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	2248 lm	2323 lm																																																
FIXTURE FLUX	1641 lm	1696 lm																																																
EFFICACY	77 lm/W	80 lm/W																																																
IMAX	8025 cd	8293 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	2248 lm	2323 lm																																																
FIXTURE FLUX	1804 lm	1864 lm																																																
EFFICACY	86 lm/W	89 lm/W																																																
IMAX	2194 cd	2267 cd																																																
<p>TS 872</p> <p>LED I_{max} 2626 cd/Klm $\alpha = 30^\circ$</p>	<p>FIXTURE POWER 14W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>1675 lm</td> <td>1731 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1199 lm</td> <td>1239 lm</td> </tr> <tr> <td>EFFICACY</td> <td>86 lm/W</td> <td>88 lm/W</td> </tr> <tr> <td>IMAX</td> <td>4399 cd</td> <td>4546 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	1675 lm	1731 lm	FIXTURE FLUX	1199 lm	1239 lm	EFFICACY	86 lm/W	88 lm/W	IMAX	4399 cd	4546 cd	<p>TS 873</p> <p>LED I_{max} 1372 cd/Klm $\alpha = 48^\circ$</p>	<p>FIXTURE POWER 14W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>1675 lm</td> <td>1731 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1386 lm</td> <td>1432 lm</td> </tr> <tr> <td>EFFICACY</td> <td>99 lm/W</td> <td>102 lm/W</td> </tr> <tr> <td>IMAX</td> <td>2298 cd</td> <td>2375 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	1675 lm	1731 lm	FIXTURE FLUX	1386 lm	1432 lm	EFFICACY	99 lm/W	102 lm/W	IMAX	2298 cd	2375 cd	<p>TS 874</p> <p>LED I_{max} 9470 cd/Klm $\alpha = 15^\circ$</p>	<p>FIXTURE POWER 13W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>1189 lm</td> <td>1241 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>889 lm</td> <td>928 lm</td> </tr> <tr> <td>EFFICACY</td> <td>71 lm/W</td> <td>74 lm/W</td> </tr> <tr> <td>IMAX</td> <td>11260 cd</td> <td>11755 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	1189 lm	1241 lm	FIXTURE FLUX	889 lm	928 lm	EFFICACY	71 lm/W	74 lm/W	IMAX	11260 cd	11755 cd
KELVIN	3000K	4000K																																																
LED FLUX	1675 lm	1731 lm																																																
FIXTURE FLUX	1199 lm	1239 lm																																																
EFFICACY	86 lm/W	88 lm/W																																																
IMAX	4399 cd	4546 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	1675 lm	1731 lm																																																
FIXTURE FLUX	1386 lm	1432 lm																																																
EFFICACY	99 lm/W	102 lm/W																																																
IMAX	2298 cd	2375 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	1189 lm	1241 lm																																																
FIXTURE FLUX	889 lm	928 lm																																																
EFFICACY	71 lm/W	74 lm/W																																																
IMAX	11260 cd	11755 cd																																																
<p>TS 875</p> <p>LED I_{max} 22178 cd/Klm $\alpha = 9^\circ$</p>	<p>FIXTURE POWER 5W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>200 lm</td> <td>212 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>163 lm</td> <td>173 lm</td> </tr> <tr> <td>EFFICACY</td> <td>31 lm/W</td> <td>33 lm/W</td> </tr> <tr> <td>IMAX</td> <td>4436 cd</td> <td>4702 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	200 lm	212 lm	FIXTURE FLUX	163 lm	173 lm	EFFICACY	31 lm/W	33 lm/W	IMAX	4436 cd	4702 cd																																		
KELVIN	3000K	4000K																																																
LED FLUX	200 lm	212 lm																																																
FIXTURE FLUX	163 lm	173 lm																																																
EFFICACY	31 lm/W	33 lm/W																																																
IMAX	4436 cd	4702 cd																																																

OPTICAL ACCESSORIES		CODE
	Chromatic filters Interference flat glass filters. Diameter 50mm.	Red 49881
		Green 49882
		Blue 49887
		Yellow 49886
		Magenta 49959
	Tone filters Interference glass filters to vary the colour temperature of light. Diameter 50mm.	Gold 1T1748
		Cold 1T1745
		Peach 1T1751
	Blade of light filter PMMA holographic filter; more evident when combined with spot and flood optics. Diameter 50mm.	1T4721
	Anti-glare grid Black lacquered metal honeycomb structure. Complete with diffusive holographic filter.	1T4322
	Zoom Optical system consists of flat convex lens in optical glass, specular reflector in anodized aluminium and diffusive holographic filter. To be used after removing the existing optic. It can not be used with narrow spot optic. It allows to obtain a variable beam from 15 ° to 60 °.	1T4324

Accessory for trimless inspectable installation

	Secondary reflectors	White 1T5242
		Black 1T5243
		Grey 1T5244
		Gold 1T5245
		Copper 1T5246



Casa Bosque de Santa Fe
Project: Arch. Enrique Bardasano - Lighting design: Alfredo Morayta

FIXED AND ADJUSTABLE RECESSED PROJECTOR FOR HALOGEN AND METAL HALIDE LAMPS

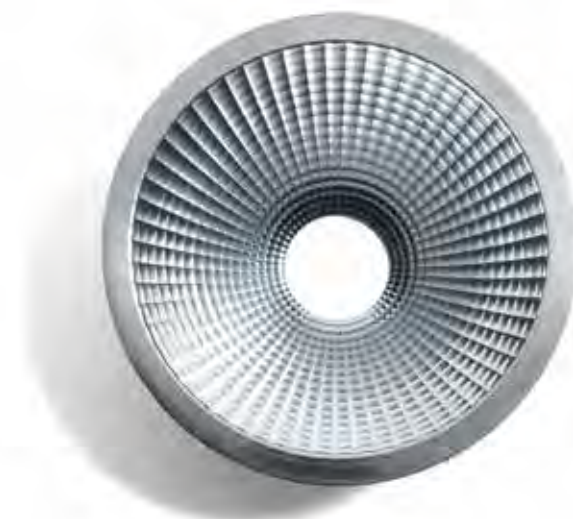
PROFESSIONAL

The ARC family provides superior technical performances and the best optical solutions for both light control and visual comfort. Highly versatile, providing both traditional and innovative optics system, the ARC system guarantees high performances with maximum visual comfort thanks to the various optical solutions available. Countless functional solutions and possible applications to offer a comprehensive range of professional recessed spotlights.



ELLIPTICAL MIRROR OPTICS

More than 1000 convex ellipsoidal facets for the new optics allowing a perfect management of lighting reflections in all directions. Each reflected ray has a different angle of incidence, resulting into a fan of light that guarantees maximum homogeneity of the light beam. Facets with nearly flat cross-sections provide for "spot" effects, maintaining narrow and controlled beams; while facets with marked ellipsoidal convexity provide for "flood" effects, where the light diffuses and dissolves in an imperceptible way.



INVISIBLE RING

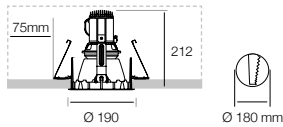
A series of fixtures designed to blend in with the architecture and decisively illuminate any room. High performance and precision units for minimalist and geometric spaces, equipped with a support counter-ring which is installed and plastered to the false ceiling, thereby disappearing from view.



ARC

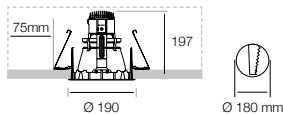
FIXED

Fixed recessed low luminance projector for halogen and metal halide lamps. Anodized aluminium fixture body with white varnished die-cast aluminium ring. Louvered die cast aluminium heat sink. In all versions the optic system consists of an anti-glare reflector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. Rapid mounting system for false ceiling installation. Remote power supply system available as an accessory.

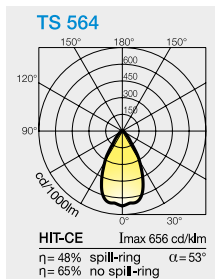
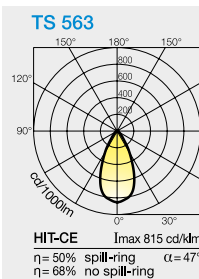
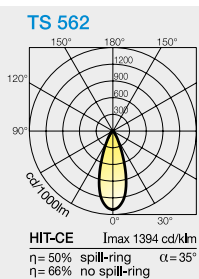
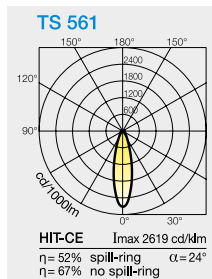
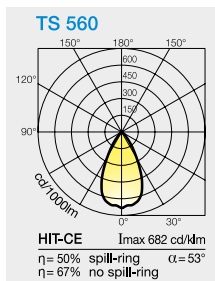
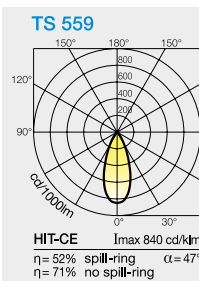
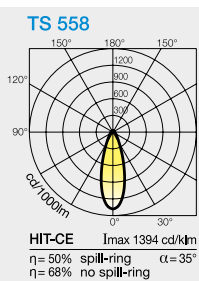
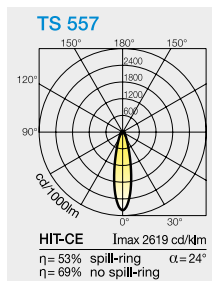


HIT-CE	OPTIC	CODE
G12 35/50/70/100/150W	SP	TS 557 54511
35/50/70/100/150W	FL	TS 558 54512
35/50/70/100/150W	MWFL	TS 559 1T2462
35/50/70/100/150W	WFL	TS 560 54513

Complete with prismatic safety glass.

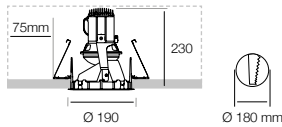


QR111	CODE
G53 max 100W 12V	TS 561 54510



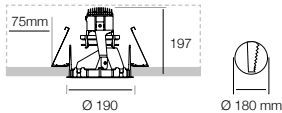
ADJUSTABLE

Adjustable recessed low luminance projector for halogen and metal halide lamps. Anodized aluminium fixture body with white varnished die-cast aluminium ring. Louvered die cast aluminium heat sink. In all versions the optic system consists of anti-glare projector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. Rapid mounting system for false ceiling installation. 355° adjustable on the horizontal plan and 30° on the vertical one by friction. Remote power supply system available as an accessory.



HIT-CE		OPTIC		CODE
G12	35/50/70/100/150W	SP	TS 561	54502
	35/50/70/100/150W	FL	TS 562	54503
	35/50/70/100/150W	MWFL	TS 563	1T2463
	35/50/70/100/150W	WFL	TS 564	54504

Complete with prismatic safety glass.



QR111		CODE
G53	max 100W 12V	54500

REMOTE POWER SUPPLY LxPxH CODE



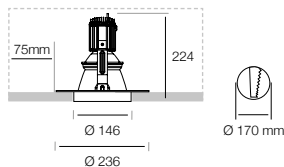
Magnetic power supply 230-240V 50/60 Hz	35W	214x79x79 mm	57094
	70W	214x79x79 mm	57097
	150W	214x79x79 mm	57098
Electronic power supply 220-240V 50/60 Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501
	100W	185x33x96 mm	1T2531
	150W	210x35x80 mm	1T0502
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-105W	118x21x35 mm	47568

Accessories See page 182

ARC TRIMLESS

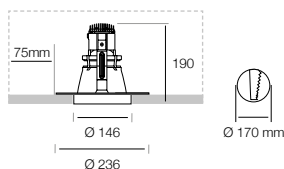
FIXED

Fixed trimless recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Louvered die cast aluminium heat sink. In all versions the optic system consists of an anti-glare reflector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. Remote power supply system available as an accessory.

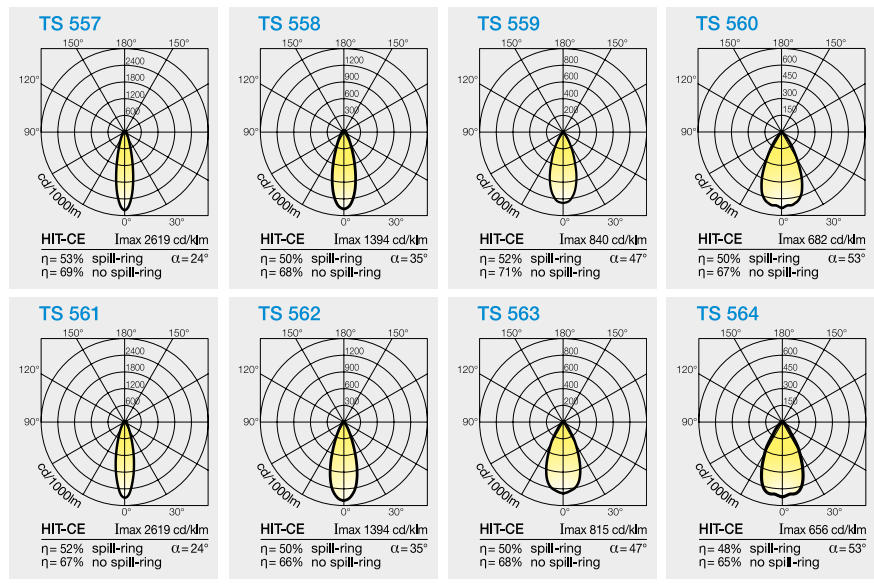


HIT-CE	OPTIC		CODE
G12 35/50/70/100/150W	SP	TS 557	1T1194
35/50/70/100/150W	FL	TS 558	1T1195
35/50/70/100/150W	MWFL	TS 559	1T2464
35/50/70/100/150W	WWFL	TS 560	1T1196

Complete with prismatic safety glass.

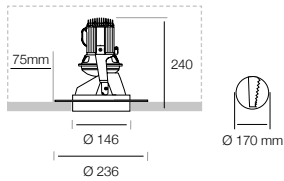


QR111	CODE
G53 max 100W 12V	1T2465

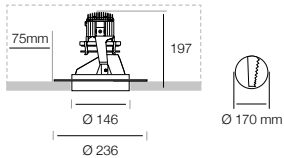


ADJUSTABLE

Adjustable trimless recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Louvered die cast aluminium heat sink. In all versions the optic system consists of an anti-glare reflector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. 355° adjustable on the horizontal plane and 30° on the vertical one by friction. Remote power supply system available as an accessory.



HIT-CE		OPTIC		CODE
G12	35/50/70/100/150W	SP	TS 561	1T1178
	35/50/70/100/150W	FL	TS 562	1T1179
	35/50/70/100/150W	MWFL	TS 563	1T2466
	35/50/70/100/150W	WFL	TS 564	1T1180
Complete with prismatic safety glass.				



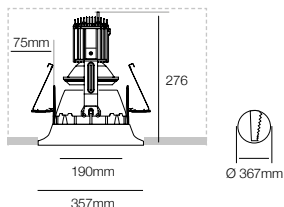
QR111		CODE
G53	max 100W 12V	1T1249

REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
		150W 214x79x79 mm	57098
Electronic power supply 220-240V 50/60 Hz	Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501
		100W 185x33x96 mm	1T2531
		150W 210x35x80 mm	1T0502
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT		20-105W 118x21x35 mm	47568

Accessories See page 182

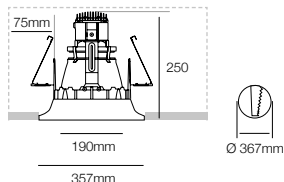
FIXED

Fixed recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Anodized aluminium fixture body. To be completed with plaster bezel, to be installed into gypsum-board ceiling, on which the fixture is to be fixed through springs. Louvered die cast aluminium heat sink. In all versions the optic system consists of an anti-glare reflector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. Remote power supply system available as an accessory.

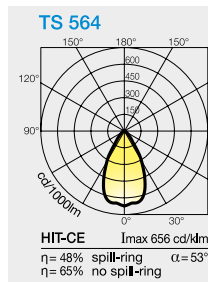
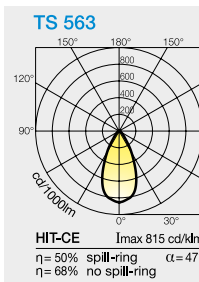
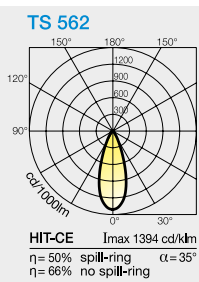
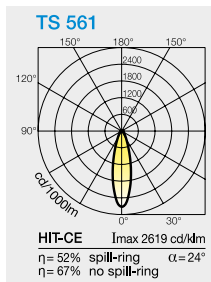
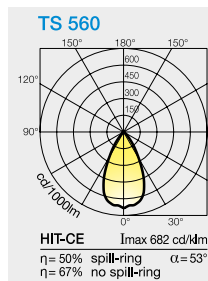
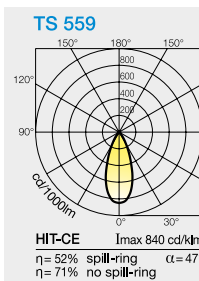
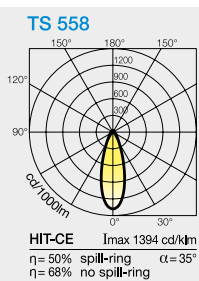
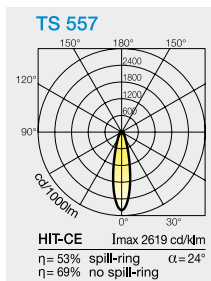


HIT-CE	OPTIC		CODE	PLASTER CODE
G12 35/50/70/100/150W	SP	TS 557	54511	1V7613
35/50/70/100/150W	FL	TS 558	54512	
35/50/70/100/150W	MWFL	TS 559	1T2462	
35/50/70/100/150W	WFL	TS 560	54513	

Complete with prismatic safety glass.

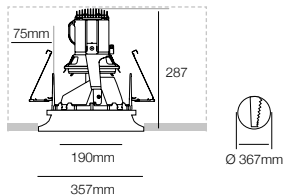


QR111	CODE	PLASTER CODE
G53 max 100W	54510	1V7613



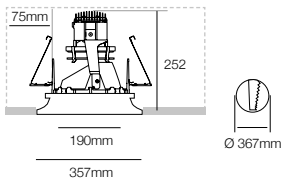
ADJUSTABLE

Adjustable recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Anodized aluminium fixture body. To be completed with plaster bezel to be installed into gypsum-board ceiling on which the fixture is to be fixed through springs. Louvered die cast aluminium heat sink. In all versions the optic system consists of anti-glare projector in polished anodized aluminium, in the discharge versions, this is integrated with precision optics with elliptic convex facets, anti glare spill-ring and extra clear prismatic safety glass. 355° adjustable on the horizontal plan and 30° on the vertical one by friction. Remote power supply system available as an accessory.



HIT-CE	OPTIC	△	CODE	+	PLASTER	CODE
G12 35/50/70/100/150W	SP	TS 561	54502			1V7613
35/50/70/100/150W	FL	TS 562	54503			
35/50/70/100/150W	MWFL	TS 563	1T2463			
35/50/70/100/150W	WFL	TS 564	54504			

Complete with prismatic safety glass.



QR111	CODE	+	PLASTER	CODE
G53 max 100W 12V	54500			1V7613

REMOTE POWER SUPPLY



		LxPxH	CODE
Magnetic power supply 230-240V 50/60 Hz	35W	214x79x79 mm	57094
	70W	214x79x79 mm	57097
	150W	214x79x79 mm	57098
Electronic power supply 220-240V 50/60 Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501
	100W	185x33x96 mm	1T2531
	150W	210x35x80 mm	1T0502
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-105W	118x21x35 mm	47568

Accessories See page 182

ARC

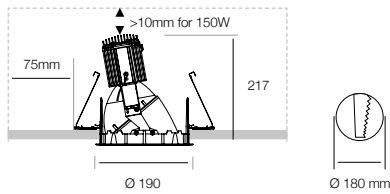


THE WASH LIGHT EFFECT

The complexity of vertical surface lighting calls for the use of particularly precise geometries of the reflectors, as well as for the use of specially treated materials for the optical components. The ARC range is completed with the metal halide wall washer version, with optical systems which have been optimised for various light sources, for creating extremely uniform light distribution upon the entire wall.

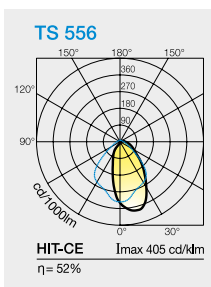
WALL WASHER

Asymmetric recessed projector for metal halide lamps. Body in anodized aluminium. Louvered die cast aluminium heat sink. Visible ring in white varnished die-cast aluminium. Asymmetric reflector in polished aluminium made up of a unique element which guarantees the asymmetry of the light beam and its aperture parallelly to the wall. Completed with a semi-diffusing refractive screen for a perfect lighting distribution. Remote power supply system available as an accessory.



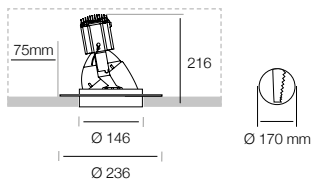
HIT-CE	OPTIC	△	CODE
G12 35/50/70/100/150W	WW	TS 556	1T2413
Complete with safety glass.			

REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
Electronic power supply 220-240V 50/60 Hz	150W 214x79x79 mm	57098	
	35W 150x35x80 mm	1T0500	
	70W 150x35x80 mm	1T0501	
	100W 185x33x96 mm	1T2531	
		150W 210x35x80 mm	1T0502



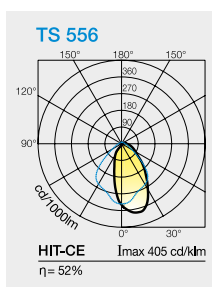
WALL WASHER

Asymmetric trimless recessed projector for metal halide lamps. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Louvered die cast aluminium heat sink. Asymmetric reflector in polished aluminium made up of a unique element which guarantees the asymmetry of the light beam and its aperture parallelly to the wall. Completed with a semi-diffusing refractive screen for a perfect lighting distribution. Remote power supply system available as an accessory.



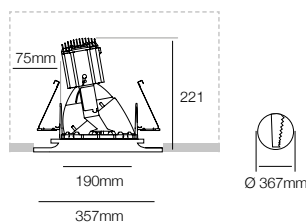
HIT-CE		OPTIC		CODE
G12	35/50/70/100/150W	WW	TS 556	1T2467
Complete with safety glass.				

REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
		150W 214x79x79 mm	57098
	Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501
		100W 185x33x96 mm	1T2531
		150W 210x35x80 mm	1T0502



WALL WASHER

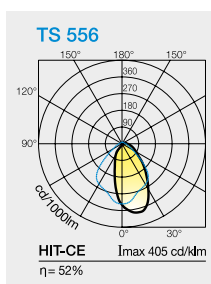
Asymmetric recessed projector for plasterboard false ceilings for metal halide lamps. Body in anodized aluminium. Louvered die cast aluminium heat sink. To be completed with plaster bezel, to be installed into gypsum-board ceiling, on which the fixture is to be fixed through springs. Asymmetric reflector in polished aluminium made up of a unique element which guarantees the asymmetry of the light beam and its aperture parallelly to the wall. Completed with a semi-diffusing refractive screen for a perfect lighting distribution. Remote power supply system available as an accessory.

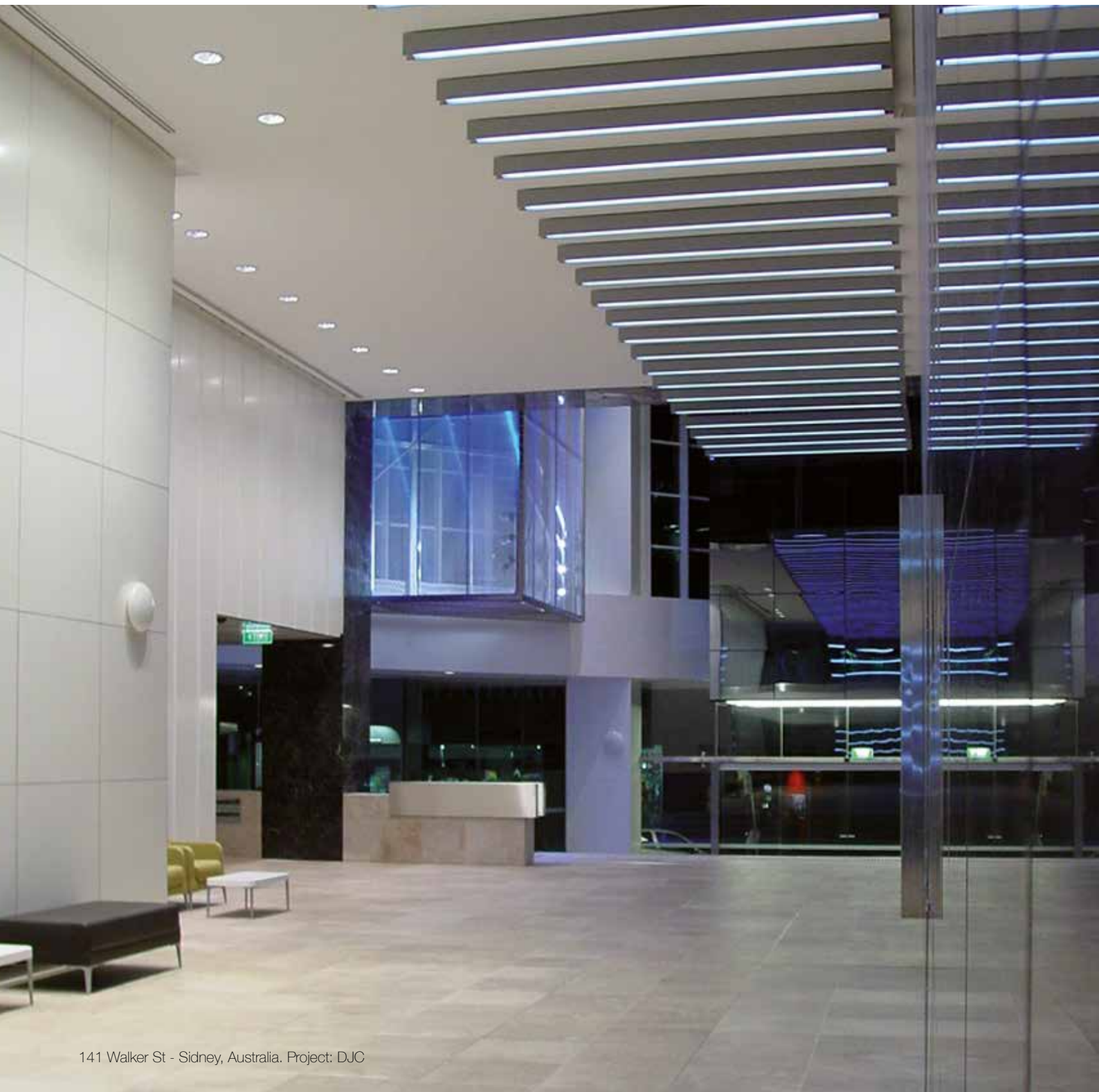


HIT-CE	OPTIC	CODE	PLASTER CODE
G12	35/50/70/100/150W WW	TS 556	1T2413

Complete with safety glass.

REMOTE POWER SUPPLY	LxPxH	CODE	
	35W	214x79x79 mm	57094
	70W	214x79x79 mm	57097
	150W	214x79x79 mm	57098
	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501
	100W	185x33x96 mm	1T2531
150W	210x35x80 mm	1T0502	



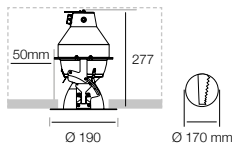


141 Walker St - Sidney, Australia. Project: DJC

LIGHTING FOR LARGE SPACES

The ARC DEEP double optical focus system, resulting from the combination of two different reflectors (the first one elliptical and the second one parabolic), controls the beam of light to illuminate from great heights while guaranteeing maximum visual comfort and completely eliminating glare.

Professional recessed projector for metal halide lamps. Aluminium body black painted. Diecast aluminium external ring white painted. Optical system made up of upper elliptical reflector in textured metallized aluminium and lower reflector in metallized aluminium. Tilting version for metal halide lamp with rotation on slide $\pm 30^\circ$ and aiming lock. Complete with transparent borosilicate protection glass.

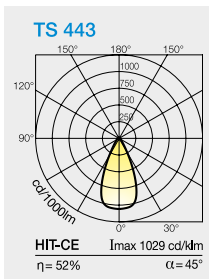


HIT-CE	OPTIC	VERSION	△	CODE
G12 150W	FL	tilting	TS 443	54518
To be completed with remote power supply.				

REMOTE POWER SUPPLY



			LxPxH	CODE
Magnetic power supply 230-240V 50/60 Hz	150W	214x79x79 mm		57098
Electronic power supply 220-240V 50/60 Hz	150W	210x35x80 mm		1T0502



MINIARC

FIXED AND ADJUSTABLE RECESSED PROJECTOR FOR HALOGEN AND METAL HALIDE LAMPS

Big performance in a small format, for the Targetti family of recessed projectors with very small dimensions. This is a valuable combination from a project point of view, that characterizes both the versions for halogen and discharge lamps.



WASH LIGHT EFFECT

A Wall Washer version of MINIARC is also available. The effect is the result of the combination of a properly aligned Spot reflector with a parallel prism glass lens, which allows to "wash" small and medium sized walls.



FITTED IN A MOMENT, LASTS A LIFETIME

With its installation springs and driver quick connection plug, fitting the new MINIARC is very simple.



THE MINIARC NO SIGN VERSION

MINIARC not only means performance and precision but also architectural harmony. The NO SIGN plaster version blends in to its surroundings effortlessly and clean lines and simplicity prevail in the trimless version.

Even the classic version of MINIARC for 20/35/50/70W discharge lamps confirms Targetti's natural vocation to innovation. Wherever high performance and extremely small dimensions are required, MINIARC always guarantees precise light beams and high optical efficacy.



MINIARC

FIXED

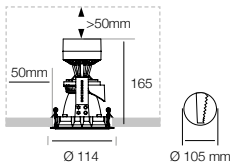
Fixed recessed low luminance projector for halogen and metal halide lamps. The projector consists of die cast white painted aluminium decorative ring, zinc-coated steel sheet brackets with louvered die cast aluminium heat sink, side feeding cable with rapid connection system. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium for discharge versions. Ryton holder ring for glass. Extra-clear safety glass. Rapid lock mounting system for false-ceiling installation. Remote electronic power supply available as an accessory.



HIT-Tc-CE OPTIC CODE

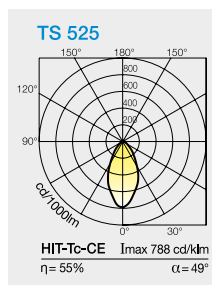
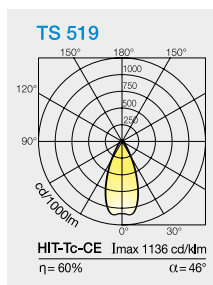
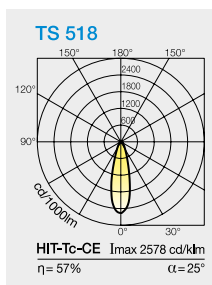
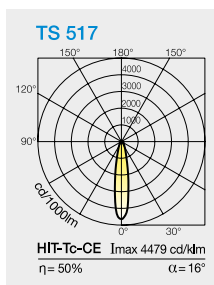
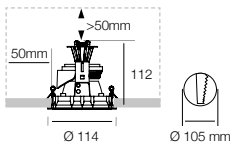
G8.5 20/35/50/70W FL TS 525 **1T2312**

Complete with safety glass.



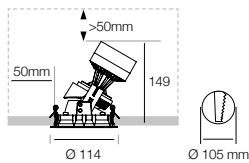
QR-CB 51 CODE

GU5.3 max 50W 12V **1T2431**



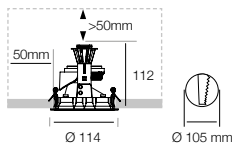
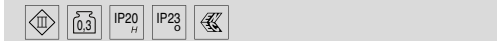
ADJUSTABLE

Adjustable recessed low luminance projector for halogen and metal halide lamps. The projector consists of die cast white painted aluminium decorative ring, zinc-coated steel sheet brackets with louvered die cast aluminium heat sink, side feeding cable with rapid connection system. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium for discharge versions. Ryton holder ring for glass. Extra-clear safety glass. Optic group 359° adjustable on the horizontal plan and 30° on the vertical one with mechanical locking system. Rapid lock mounting system for false-ceiling installation. Remote electronic power supply available as an accessory.



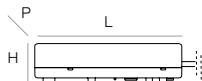
HIT-Tc-CE	OPTIC	△	CODE
G8.5 20/35/50/70W	SP	TS 517	1T2314
20/35/50/70W	FL	TS 518	1T2315
20/35/50/70W	WFL	TS 519	1T2316

Complete with safety glass.



QR-CB 51	CODE
GU5.3 max 50W 12V	1T2317

REMOTE POWER SUPPLY



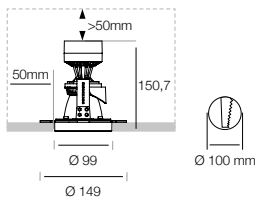
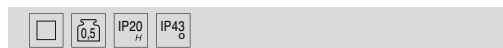
		LxPxH	CODE
Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
	20W	140x31x67 mm	1T0240
Electronic power supply 220-240V 50-60Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501

Accessories See page 183

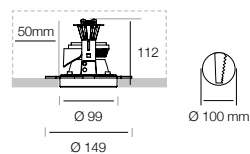
MINIARC TRIMLESS

FIXED

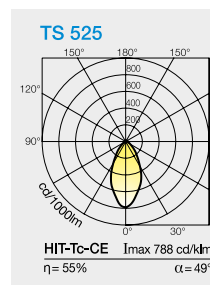
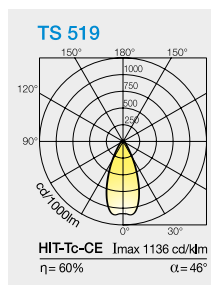
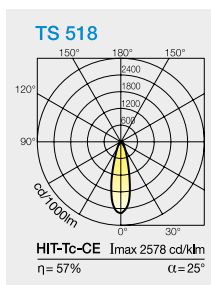
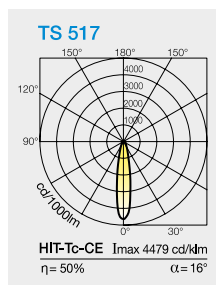
Fixed trimless recessed low luminance projector for plasterboard false ceilings for halogen, metal halide lamps and LEDs. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Die cast aluminium heat sink with upper and lower louvering, side feeding cable with rapid connection system. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium for discharge and LED versions. Ryton holder ring for glass. Extra-clear safety glass. Remote electronic power supply available as an accessory.



HIT-Tc-CE	OPTIC	△	CODE
G8.5 20/35/50/70W	FL	TS 525	1T2468
Complete with safety glass.			

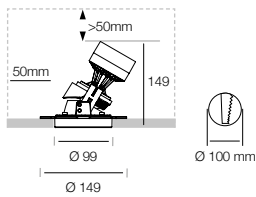


QR-CB 51	CODE
GU5.3 max 50W 12V	1T2469



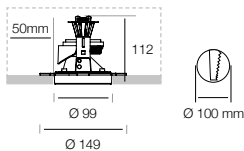
ADJUSTABLE

Adjustable trimless recessed low luminance projector for plasterboard false ceilings for halogen, metal halide lamps and LEDs. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Die cast aluminium heat sink with upper and lower louvering, side feeding cable with rapid connection system. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium for discharge and LED versions. Rytan holder ring for glass. Extra-clear safety glass. Optic group 359° adjustable on the horizontal plan and 30° on the vertical one with mechanical locking system. Remote electronic power supply available as an accessory.



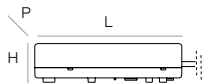
HIT-Tc-CE	OPTIC	△	CODE
G8.5 20/35/50/70W	SP	TS 517	1T2472
20/35/50/70W	FL	TS 518	1T2473
20/35/50/70W	WFL	TS 519	1T2474

Complete with safety glass.



QR-CB 51	CODE
GU5.3 max 50W 12V	1T2475

REMOTE POWER SUPPLY



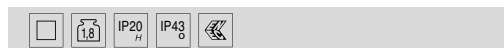
		LxPxH	CODE
Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
	20W	140x31x67 mm	1T0240
Electronic power supply 220-240V 50-60Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501

Accessories See page 183

MINIARC KRIPTON

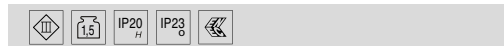
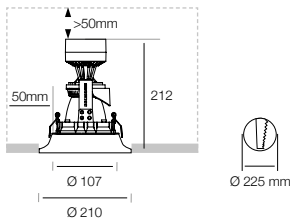
FIXED

Fixed recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Die cast aluminium heat sink with upper and lower louvering, side feeding cable with rapid connection system. To be completed with plaster bezel, to be installed into gypsum-board ceiling, on which the fixture is to be fixed through springs. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium. Ryton holder ring for glass. Extra-clear safety glass. Remote electronic power supply available as an accessory.

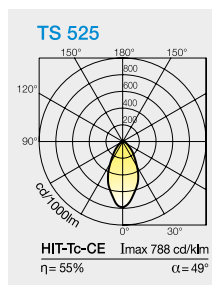
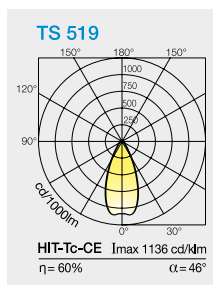
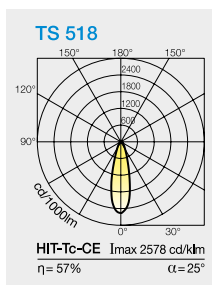
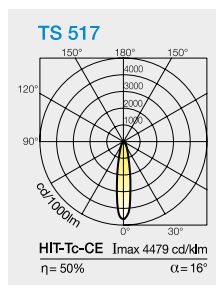
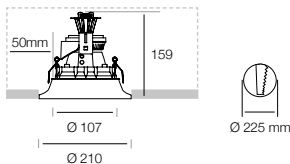


HIT-Tc-CE	OPTIC	CODE	PLASTER CODE
G8.5 20/35/50/70W	FL TS 525	1T2312	1V7614

Complete with safety glass.

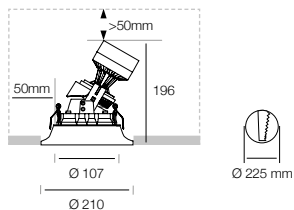
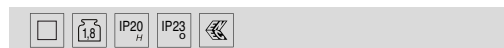


QR-CB 51	CODE	PLASTER CODE
GU5.3 max 50W 12V	1T2431	1V7614



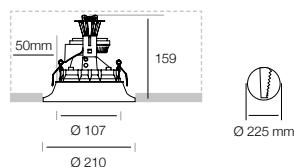
ADJUSTABLE

Adjustable recessed low luminance projector for plasterboard false ceilings for halogen and metal halide lamps. Die cast aluminium heat sink with upper and lower louvering, side feeding cable with rapid connection system. To be completed with plaster bezel, to be installed into gypsum-board ceiling, on which the fixture is to be fixed through springs. Optic system consisting of a higher anti-glare reflector in anodized aluminium, polished metallized polycarbonate lower reflector. Main reflector faceted in polished anodized aluminium. Ryton holder ring for glass. Extra-clear safety glass. Optic group 359° adjustable on the horizontal plan and 30° on the vertical one with mechanical locking system. Remote electronic power supply available as an accessory.



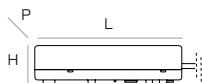
HIT-Tc-CE	OPTIC	△	CODE	+	PLASTER	CODE
G8.5	20/35/50/70W	SP	TS 517			1V7614
	20/35/50/70W	FL	TS 518			1T2315
	20/35/50/70W	WFL	TS 519			1T2316

Complete with safety glass.



QR-CB 51	CODE	+	PLASTER	CODE
GU5.3 max 50W 12V	1T2317			1V7614

REMOTE POWER SUPPLY



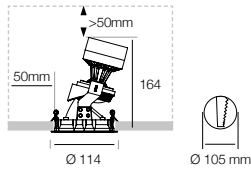
		LxPxH	CODE
Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
	20W	140x31x67 mm	1T0240
Electronic power supply 220-240V 50-60Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501

Accessories See page 183

MINIARC

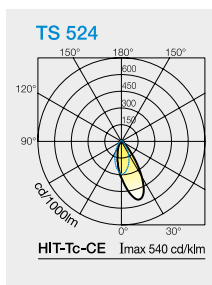
WALL WASHER

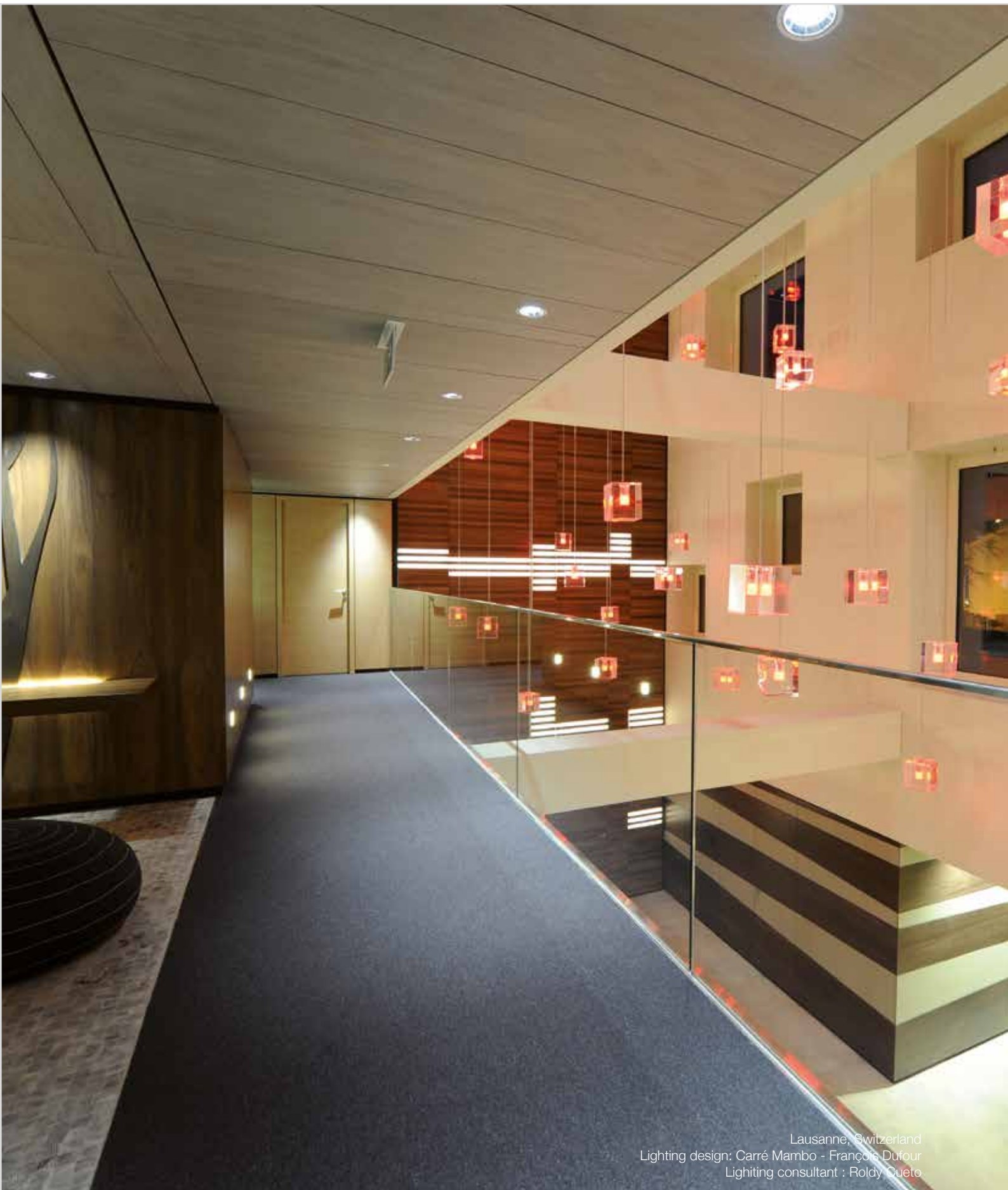
Wall washer fixed recessed projector for metal halide lamps. The projector consists of die cast white painted aluminium decorative ring, zinc-coated steel sheet brackets with louvered die cast aluminium heat sink, side feeding cable with rapid connection system. Optic system consisting of main polished anodized aluminium faceted spot optic, anodized polished aluminium anti-glare higher reflector and polished metallized polycarbonate lower reflector. Extra clear safety glass with glass ribbed lens for wall washer effect. Ryton holder ring for glass. Rapid lock mounting system for false-ceiling installation. Remote electronic ballast available as an accessory.



HIT-Tc-CE		OPTIC	△	CODE
G8.5	20/35/50/70W	WW	TS 524	1T2313
Complete with safety glass.				

REMOTE POWER SUPPLY		LxPxH	CODE
	Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W 94x20x31 mm	47567
		20W 140x31x67 mm	1T0240
	Electronic power supply 220-240V 50-60Hz	35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501



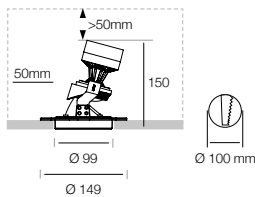


Lausanne, Switzerland
Lighting design: Carré Mambo - François Dufour
Lighting consultant : Roldy Cueto

MINIARC TRIMLESS

WALL WASHER

Asymmetric trimless recessed projector for metal halide lamps. Anodized aluminium fixture body with patented mounting system using a white varnished pressure die-cast aluminium template for false ceiling installation. Die cast aluminium heat sink with upper and lower louvering. Side feeding cable with rapid connection system. Optic system consisting of main polished anodized aluminium faceted spot optic, anodized polished aluminium anti-glare higher reflector and polished metallized polycarbonate lower reflector. Extra clear safety glass with glass ribbed lens for wall washer effect. Ryton holder ring for glass. Remote electronic ballast available as an accessory.

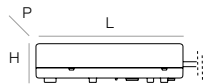


HIT-Tc-CE	OPTIC	△	CODE
------------------	-------	---	------

G8.5	20/35/50/70W	WW	TS 524	1T2480
------	--------------	----	--------	---------------

Complete with safety glass.

REMOTE POWER SUPPLY

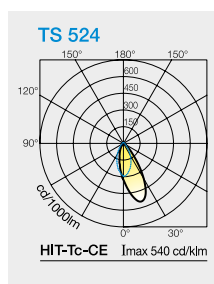


Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
-------------------------------------------------------------------------	--------	-------------	--------------

	20W	140x31x67 mm	1T0240
--	-----	--------------	---------------

Electronic power supply 220-240V 50-60Hz	35W	150x35x80 mm	1T0500
------------------------------------------	-----	--------------	---------------

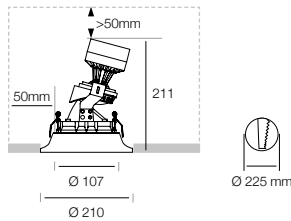
	70W	150x35x80 mm	1T0501
--	-----	--------------	---------------



MINIARC KRIPTON

WALL WASHER

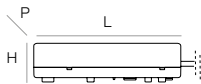
Asymmetric recessed projector for plasterboard false ceilings for metal halide lamps. Die cast aluminium heat sink with upper and lower louvering, side feeding cable with rapid connection system. To be completed with plaster bezel to be installed into gypsum-board ceiling on which the fixture is to be fixed through springs. Optic system consisting of main polished anodized aluminium faceted spot optic, anodized polished aluminium anti-glare higher reflector and polished metallized polycarbonate lower reflector. Extra clear safety glass with glass ribbed lens for wall washer effect. Ryton holder ring for glass. Remote electronic ballast available as an accessory.



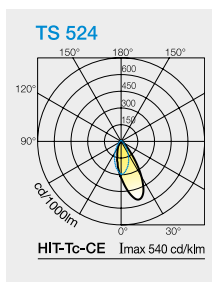
HIT-Tc-CE	OPTIC	CODE	PLASTER CODE
G8.5 20/35/50/70W	WW TS 524	1T2313	1V7614

Complete with safety glass.

REMOTE POWER SUPPLY



		LxPxH	CODE
Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
	20W	140x31x67 mm	1T0240
Electronic power supply 220-240V 50-60Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501

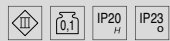


ARC 50



Lausanne, Switzerland
Lighting design: Carré Mambo - François Dufour
Lighting consultant : Roldy Cueto

Recessed low luminance fixed downlight projector for halogen dichroic lamps. Anti-glare aluminium reflector. PPS ring allowing the substitution of the lamp without removing the fixture from the false ceiling. Polished aluminium external ring. Rapid lock mounting system for false-ceiling installation.

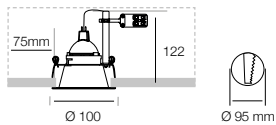


QR-CB 51 

CODE

GU5.3 max 50W 12V

42349



REMOTE POWER SUPPLY

LxPxH

CODE



Electronic transformer 230-240V/12V
AC 50-60Hz dimmable TRIAC + IGBT

20-60W

94x20x31 mm

47567

Accessories See page 183

ARC 50 TRIMLESS

FIXED

Trimless recessed low luminance projector for halogen dichroic lamps. Installation counter-ring made of die-cast aluminium and fully recessed into the false ceiling. Pyton ring for rapid lamp mounting. Anti-glare reflector made of polished and treated aluminium. Electronic transformer available as an accessory.

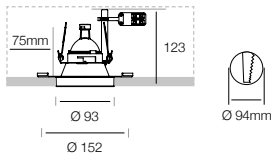


QR-CB 51 

CODE

GU5.3 max 50W 12V

1T1191



REMOTE POWER SUPPLY

LxPxH

CODE



Electronic transformer 230-240V/12V
AC 50-60Hz dimmable TRIAC + IGBT

20-60W

94x20x31 mm

47567

20-105W

118x21x35 mm

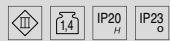
47568

Accessories See page 183

ARC 50 KRIPTON

FIXED

Recessed low luminance fixed downlight projector for plasterboard false ceilings for halogen dichroic lamps. Anti-glare polished aluminium reflector. PPS ring allowing the substitution of the lamp without removing the fixture from the false ceiling. To be completed with plaster bezel to be installed into gypsum-board ceiling. Remote electronic ballast available as an accessory.



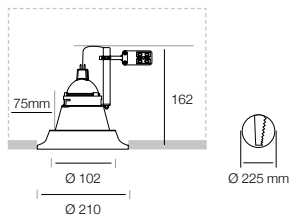
QR-CB 51 

CODE **+** PLASTER CODE

GU5.3 max 50W 12V

42349

1V7615



REMOTE POWER SUPPLY



Electronic transformer 230-240V/12V
AC 50-60Hz dimmable TRIAC + IGBT

20-60W

94x20x31 mm

47567






20-105W

118x21x35 mm

47568

Accessories See page 183

ARC AND MINIARC ACCESSORIES

		ARC	
		FIXED / ADJUSTABLE HIT-CE	FIXED / ADJUSTABLE QR111
<p>Chromatic filters Interference glass filters*. Diameter 106 mm.</p>		<p>1T2532 Red 1T2533 Green 1T2534 Blue 1T2535 Yellow 1T2536 Magenta</p>	<p>49950 Red 49951 Green 49952 Blue 49953 Yellow 49954 Magenta</p>
<p>Corrective filters Interference glass filters to modify the colour temperature of the light*. Diameter 106 mm.</p>		<p>1T2538 Sun 1T2539 Sunset 1T2540 Polar</p>	
<p>UV Stop filter Interference glass filter to reduce considerably the UV/B rays and to block (>90%) the UV/A* rays. Diameter 106mm.</p>		<p>1T2537</p>	<p>44180</p>
<p>Blade filter Parallel ribbed glass filter to ovalize the light beam; more evident when combined with spot optics. Diameter 106mm.</p>			
<p>Safety glass Diameter 106 mm.</p>		<p>included</p>	<p>49969</p>

The use of any accessory filter, in the discharge versions, substitutes the safety glass leaving the degree of protection unaltered.

* Curved prismatic glass for fixed and adjustable versions for HIT-CE lamps.

MINIARC

ARC 50

FIXED / ADJUSTABLE
HIT-CE

FIXED / ADJUSTABLE
QR111

Chromatic filters
Interference glass filters.
Diameter 50 mm.



49881 Red
49882 Green
49886 Blue
49887 Yellow
49959 Magenta

UV Stop filter
Interference glass filter to reduce
considerably the UV/B rays and to
block (>90%) the UV/A rays.
Diameter 50 mm.



49880

Blade filter
Parallel ribbed glass filter to ovalize
the light beam; more evident when
combined with spot optics.
Diameter 50 mm.



1T2432



CLOUD



Innocean Design Agency - Frankfurt, Germany. Project: Ippolito Fleiz Group. Photographer: Robert Hoernig

THE NEW GENERATION EXTRACTABLE LED PROJECTOR

The unique design is the distinguishing trait of CLOUD. A single piece, where only the optic's enclosure is visible, while the more voluminous heat sink remains hidden into the ceiling even when the body is fully extracted, minimizing its presence. A beautiful creation by Targetti's design department, who has masterfully brought together aesthetics, discretion and functionality. Curves alternate with squared edges creating a harmonious blend in which no detail is left to chance. A truly innovative design that both surprises and captivates. Two sizes, six different power outputs with as many performances and four beam angles.

RECESSED EXTRACTABLE LED PROJECTOR



TWO DIMENSIONS, MULTIPLE BENEFITS

The CLOUD range today has different solutions in terms of size, lumen packages, colour temperature and beam angles to cover a wide range of installations. From low power solutions with just 11W in the MINI version, to high power, high performance solutions 45W in the standard version.

MAXIMUM ORIENTATION

The main feature of an extractable projector is maximum orientation allowing for any object to be illuminated from the ceiling. CLOUD may be oriented on the horizontal plan up to 355°, whereas on the vertical plan aiming is achieved through friction and can be internally retract by 25° and extracted by 75°. Precision illumination with CLOUD is easy!



CLOUD

DETAILS WITH STYLE

Nothing in CLOUD is left to chance. When completely extracted, part of its body is aligned to the false ceiling totally sealing the opening, when slightly retracted, a black polycarbonate screen hides any escaping light coming from within the false ceiling. Aesthetics, discretion and performance are perfectly united in CLOUD.



PASSIVE DISSIPATION

The thermal design has been an integral part of the development of the entire fixture and particularly of the heat sink. With its unique geometry and wide exposed surface, Cloud is able to properly dissipate the high power LED source effectively. As with all the Targetti LED fixtures, CLOUD also works well below the levels indicated by the LED manufacturers, guaranteeing long term performance.



EXTENSIVE CHOICE OF POWER SUPPLIES

Cloud and Cloud Mini come equipped with a driver. Available in an electronic, dimmable 1/10V or dimmable DALI version for maximum control of lighting management.



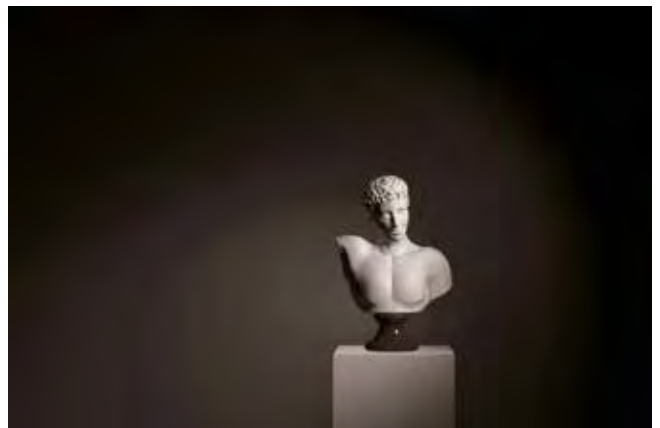


TWO DIFFERENT OPTICAL SYSTEM, MULTIPLE EFFECTS

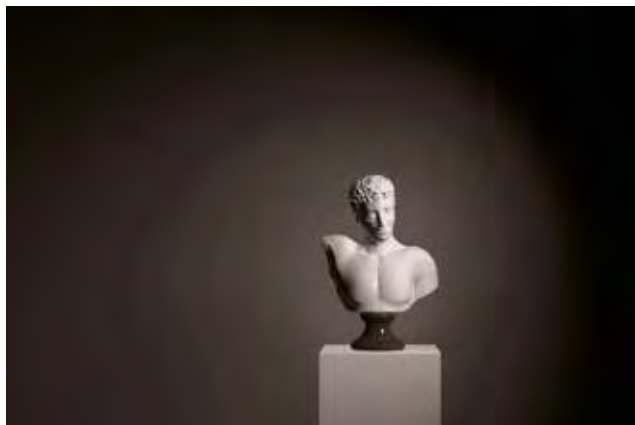
CLOUD is fitted with aluminium micro optics that ensure high performance and wide soft beams, or the innovative "Proprietary" PMMA lenses that were designed and produced directly by Targetti, which guarantees quality and reliability and makes it possible to obtain highly defined beams.



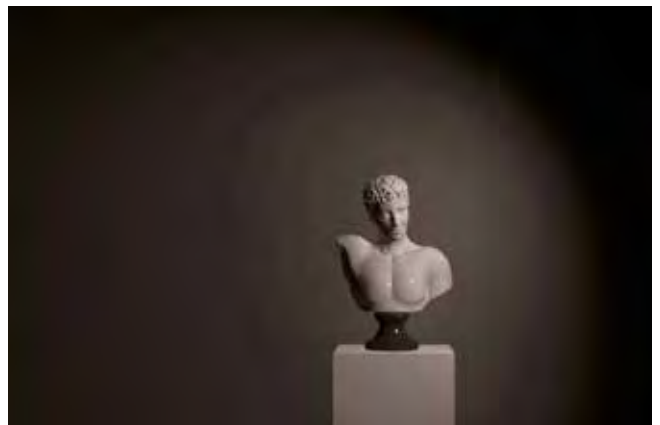
Spot



Flood



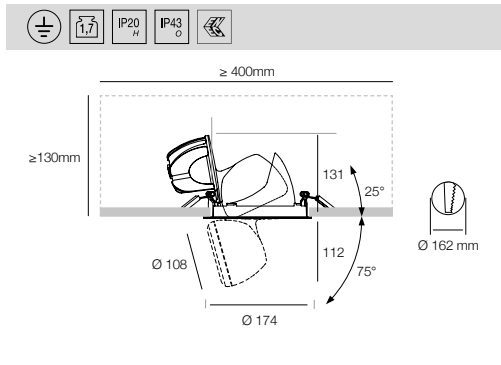
Medium wide flood



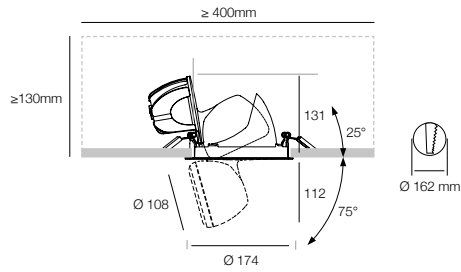
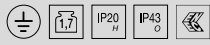
Wide flood

CLOUD

LED Recessed extractable projector. Extractible head and remote heat sink in die-cast aluminium painted in plaster white or deep black finish, with rotation system by friction on hinges. Removable front ring made of die-cast aluminium painted in plaster white or deep black finish for the insertion of dedicated optical accessories. Installation frame made of die-cast aluminium painted in plaster white or deep black finish. Warm white (3000K) or neutral white (4000K) high output LED with Ra84; Ra 97 on request. Metallized polycarbonate precision optics specifically developed for LED sources, with convex facets and high reflectance, available in Spot, Flood, Medium wide flood and Wide flood versions; "Scratch Proof Formula" treatment. May be manually aimed from -25° to +75° in the vertical plane and 355° in the horizontal plane. Tool-free ultra-fast installation system for mounting into false ceilings measuring from 0.5 to 30 mm. Passive dissipation system. Electronic, electronic dimmable 1/10V and DALI dimmable driver included. Emergency kit with 3h battery.



LED	OPTIC	LED COLOUR	FINISHES	POWER SUPPLY	△	CODE
25W	SP	WW 3000K	white	electronic	TS 753	1T3607EL
25W	SP	WW 3000K	white	DALI	TS 753	1T3607DA
25W	SP	WW 3000K	white	1/10V	TS 753	1T3607D
25W	SP	WW 3000K	black	electronic	TS 753	1T3616EL
25W	SP	WW 3000K	black	DALI	TS 753	1T3616DA
25W	SP	WW 3000K	black	1/10V	TS 753	1T3616D
25W	FL	WW 3000K	white	electronic	TS 754	1T3608EL
25W	FL	WW 3000K	white	DALI	TS 754	1T3608DA
25W	FL	WW 3000K	white	1/10V	TS 754	1T3608D
25W	FL	WW 3000K	black	electronic	TS 754	1T3617EL
25W	FL	WW 3000K	black	DALI	TS 754	1T3617DA
25W	FL	WW 3000K	black	1/10V	TS 754	1T3617D
25W	SP	NW 4000K	white	electronic	TS 753	1T4112EL
25W	SP	NW 4000K	white	DALI	TS 753	1T4112DA
25W	SP	NW 4000K	white	1/10V	TS 753	1T4112D
25W	SP	NW 4000K	black	electronic	TS 753	1T4114EL
25W	SP	NW 4000K	black	DALI	TS 753	1T4114DA
25W	SP	NW 4000K	black	1/10V	TS 753	1T4114D
25W	FL	NW 4000K	white	electronic	TS 754	1T4113EL
25W	FL	NW 4000K	white	DALI	TS 754	1T4113DA
25W	FL	NW 4000K	white	1/10V	TS 754	1T4113D
25W	FL	NW 4000K	black	electronic	TS 754	1T4115EL
25W	FL	NW 4000K	black	DALI	TS 754	1T4115DA
25W	FL	NW 4000K	black	1/10V	TS 754	1T4115D



LED	OPTIC	LED COLOUR	FINISHES	POWER SUPPLY	△	CODE
39W	SP	WW 3000K	white	electronic	TS 755	1T3609EL
39W	SP	WW 3000K	white	DALI	TS 755	1T3609DA
39W	SP	WW 3000K	white	1/10V	TS 755	1T3609D
39W	SP	WW 3000K	black	electronic	TS 755	1T3618EL
39W	SP	WW 3000K	black	DALI	TS 755	1T3618DA
39W	SP	WW 3000K	black	1/10V	TS 755	1T3618D
39W	FL	WW 3000K	white	electronic	TS 756	1T3610EL
39W	FL	WW 3000K	white	DALI	TS 756	1T3610DA
39W	FL	WW 3000K	white	1/10V	TS 756	1T3610D
39W	FL	WW 3000K	black	electronic	TS 756	1T3619EL
39W	FL	WW 3000K	black	DALI	TS 756	1T3619DA
39W	FL	WW 3000K	black	1/10V	TS 756	1T3619D
39W	MWFL	WW 3000K	white	electronic	TS 757	1T3611EL
39W	MWFL	WW 3000K	white	DALI	TS 757	1T3611DA
39W	MWFL	WW 3000K	white	1/10V	TS 757	1T3611D
39W	MWFL	WW 3000K	black	electronic	TS 757	1T3620EL
39W	MWFL	WW 3000K	black	DALI	TS 757	1T3620DA
39W	MWFL	WW 3000K	black	1/10V	TS 757	1T3620D
39W	WFL	WW 3000K	white	electronic	TS 758	1T3612EL
39W	WFL	WW 3000K	white	DALI	TS 758	1T3612DA
39W	WFL	WW 3000K	white	1/10V	TS 758	1T3612D
39W	WFL	WW 3000K	black	electronic	TS 758	1T3621EL
39W	WFL	WW 3000K	black	DALI	TS 758	1T3621DA
39W	WFL	WW 3000K	black	1/10V	TS 758	1T3621D

Emergency kit

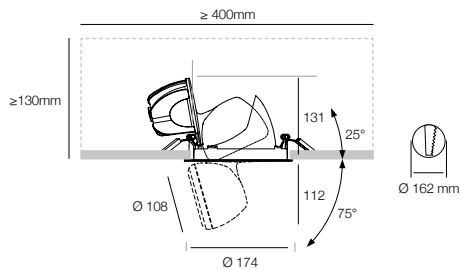
CODE

Emergency + battery pack 3h

[1T3144](#)

Accessories See page 193

CLOUD



LED	OPTIC	LED COLOUR	FINISHES	POWER SUPPLY	△	CODE
39W	SP	NW 4000K	white	electronic	TS 755	1T4116EL
39W	SP	NW 4000K	white	DALI	TS 755	1T4116DA
39W	SP	NW 4000K	white	1/10V	TS 755	1T4116D
39W	SP	NW 4000K	black	electronic	TS 755	1T4120EL
39W	SP	NW 4000K	black	DALI	TS 755	1T4120DA
39W	SP	NW 4000K	black	1/10V	TS 755	1T4120D
39W	FL	NW 4000K	white	electronic	TS 756	1T4117EL
39W	FL	NW 4000K	white	DALI	TS 756	1T4117DA
39W	FL	NW 4000K	white	1/10V	TS 756	1T4117D
39W	FL	NW 4000K	black	electronic	TS 756	1T4121EL
39W	FL	NW 4000K	black	DALI	TS 756	1T4121DA
39W	FL	NW 4000K	black	1/10V	TS 756	1T4121D
39W	MWFL	NW 4000K	white	electronic	TS 757	1T4118EL
39W	MWFL	NW 4000K	white	DALI	TS 757	1T4118DA
39W	MWFL	NW 4000K	white	1/10V	TS 757	1T4118D
39W	MWFL	NW 4000K	black	electronic	TS 757	1T4122EL
39W	MWFL	NW 4000K	black	DALI	TS 757	1T4122DA
39W	MWFL	NW 4000K	black	1/10V	TS 757	1T4122D
39W	WFL	NW 4000K	white	electronic	TS 758	1T4119EL
39W	WFL	NW 4000K	white	DALI	TS 758	1T4119DA
39W	WFL	NW 4000K	white	1/10V	TS 758	1T4119D
39W	WFL	NW 4000K	black	electronic	TS 758	1T4123EL
39W	WFL	NW 4000K	black	DALI	TS 758	1T4123DA
39W	WFL	NW 4000K	black	1/10V	TS 758	1T4123D

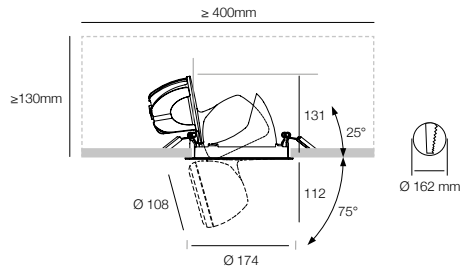
Emergency kit

CODE

Emergency + battery pack 3h

[1T3144](#)

Accessories See page 193












LED	OPTIC	LED COLOUR	FINISHES	POWER SUPPLY	△	CODE
45W	FL	WW	3000K white	electronic	TS 759	1T3613EL
45W	FL	WW	3000K white	DALI	TS 759	1T3613DA
45W	FL	WW	3000K white	1/10V	TS 759	1T3613D
45W	FL	WW	3000K black	electronic	TS 759	1T3622EL
45W	FL	WW	3000K black	DALI	TS 759	1T3622DA
45W	FL	WW	3000K black	1/10V	TS 759	1T3622D
45W	MWFL	WW	3000K white	electronic	TS 760	1T3614EL
45W	MWFL	WW	3000K white	DALI	TS 760	1T3614DA
45W	MWFL	WW	3000K white	1/10V	TS 760	1T3614D
45W	MWFL	WW	3000K black	electronic	TS 760	1T3623EL
45W	MWFL	WW	3000K black	DALI	TS 760	1T3623DA
45W	MWFL	WW	3000K black	1/10V	TS 760	1T3623D
45W	WFL	WW	3000K white	electronic	TS 761	1T3615EL
45W	WFL	WW	3000K white	DALI	TS 761	1T3615DA
45W	WFL	WW	3000K white	1/10V	TS 761	1T3615D
45W	WFL	WW	3000K black	electronic	TS 761	1T3624EL
45W	WFL	WW	3000K black	DALI	TS 761	1T3624DA
45W	WFL	WW	3000K black	1/10V	TS 761	1T3624D
45W	FL	NW	4000K white	electronic	TS 759	1T4124EL
45W	FL	NW	4000K white	DALI	TS 759	1T4124DA
45W	FL	NW	4000K white	1/10V	TS 759	1T4124D
45W	FL	NW	4000K black	electronic	TS 759	1T4127EL
45W	FL	NW	4000K black	DALI	TS 759	1T4127DA
45W	FL	NW	4000K black	1/10V	TS 759	1T4127D
45W	MWFL	NW	4000K white	electronic	TS 760	1T4125EL
45W	MWFL	NW	4000K white	DALI	TS 760	1T4125DA
45W	MWFL	NW	4000K white	1/10V	TS 760	1T4125D
45W	MWFL	NW	4000K black	electronic	TS 760	1T4128EL
45W	MWFL	NW	4000K black	DALI	TS 760	1T4128DA
45W	MWFL	NW	4000K black	1/10V	TS 760	1T4128D
45W	WFL	NW	4000K white	electronic	TS 761	1T4126EL
45W	WFL	NW	4000K white	DALI	TS 761	1T4126DA
45W	WFL	NW	4000K white	1/10V	TS 761	1T4126D
45W	WFL	NW	4000K black	electronic	TS 761	1T4129EL
45W	WFL	NW	4000K black	DALI	TS 761	1T4129DA
45W	WFL	NW	4000K black	1/10V	TS 761	1T4129D

CLOUD

<p>TS 753</p> <p>LED $\alpha = 15^\circ$ I_{max} 6810 cd/klm</p>	<p>FIXTURE POWER 29W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>3273 lm</td> <td>3381 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2782 lm</td> <td>2874 lm</td> </tr> <tr> <td>EFFICACY</td> <td>96 lm/W</td> <td>99 lm/W</td> </tr> <tr> <td>IMAX</td> <td>22289 cd</td> <td>23024 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	3273 lm	3381 lm	FIXTURE FLUX	2782 lm	2874 lm	EFFICACY	96 lm/W	99 lm/W	IMAX	22289 cd	23024 cd	<p>TS 754</p> <p>LED $\alpha = 31^\circ$ I_{max} 2512 cd/klm</p>	<p>FIXTURE POWER 29W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>3273 lm</td> <td>3381 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2771 lm</td> <td>2862 lm</td> </tr> <tr> <td>EFFICACY</td> <td>96 lm/W</td> <td>99 lm/W</td> </tr> <tr> <td>IMAX</td> <td>8220 cd</td> <td>8491 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	3273 lm	3381 lm	FIXTURE FLUX	2771 lm	2862 lm	EFFICACY	96 lm/W	99 lm/W	IMAX	8220 cd	8491 cd	<p>TS 755</p> <p>LED $\alpha = 15^\circ$ I_{max} 7117 cd/klm</p>	<p>FIXTURE POWER 44W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>4501 lm</td> <td>4650 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>3826 lm</td> <td>3953 lm</td> </tr> <tr> <td>EFFICACY</td> <td>87 lm/W</td> <td>90 lm/W</td> </tr> <tr> <td>IMAX</td> <td>32033 cd</td> <td>33093 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	4501 lm	4650 lm	FIXTURE FLUX	3826 lm	3953 lm	EFFICACY	87 lm/W	90 lm/W	IMAX	32033 cd	33093 cd
KELVIN	3000K	4000K																																																
LED FLUX	3273 lm	3381 lm																																																
FIXTURE FLUX	2782 lm	2874 lm																																																
EFFICACY	96 lm/W	99 lm/W																																																
IMAX	22289 cd	23024 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	3273 lm	3381 lm																																																
FIXTURE FLUX	2771 lm	2862 lm																																																
EFFICACY	96 lm/W	99 lm/W																																																
IMAX	8220 cd	8491 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	4501 lm	4650 lm																																																
FIXTURE FLUX	3826 lm	3953 lm																																																
EFFICACY	87 lm/W	90 lm/W																																																
IMAX	32033 cd	33093 cd																																																
<p>TS 756</p> <p>LED $\alpha = 28^\circ$ I_{max} 2779 cd/klm</p>	<p>FIXTURE POWER 44W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>4501 lm</td> <td>4650 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>3810 lm</td> <td>3936 lm</td> </tr> <tr> <td>EFFICACY</td> <td>87 lm/W</td> <td>89 lm/W</td> </tr> <tr> <td>IMAX</td> <td>12510 cd</td> <td>12924 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	4501 lm	4650 lm	FIXTURE FLUX	3810 lm	3936 lm	EFFICACY	87 lm/W	89 lm/W	IMAX	12510 cd	12924 cd	<p>TS 757</p> <p>LED $\alpha = 43^\circ$ I_{max} 1685 cd/klm</p>	<p>FIXTURE POWER 44W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>4501 lm</td> <td>4650 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>3911 lm</td> <td>4041 lm</td> </tr> <tr> <td>EFFICACY</td> <td>89 lm/W</td> <td>92 lm/W</td> </tr> <tr> <td>IMAX</td> <td>7583 cd</td> <td>7834 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	4501 lm	4650 lm	FIXTURE FLUX	3911 lm	4041 lm	EFFICACY	89 lm/W	92 lm/W	IMAX	7583 cd	7834 cd	<p>TS 758</p> <p>LED $\alpha = 57^\circ$ I_{max} 1180 cd/klm</p>	<p>FIXTURE POWER 44W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>4501 lm</td> <td>4650 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>3961 lm</td> <td>4092 lm</td> </tr> <tr> <td>EFFICACY</td> <td>90 lm/W</td> <td>93 lm/W</td> </tr> <tr> <td>IMAX</td> <td>5310 cd</td> <td>5486 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	4501 lm	4650 lm	FIXTURE FLUX	3961 lm	4092 lm	EFFICACY	90 lm/W	93 lm/W	IMAX	5310 cd	5486 cd
KELVIN	3000K	4000K																																																
LED FLUX	4501 lm	4650 lm																																																
FIXTURE FLUX	3810 lm	3936 lm																																																
EFFICACY	87 lm/W	89 lm/W																																																
IMAX	12510 cd	12924 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	4501 lm	4650 lm																																																
FIXTURE FLUX	3911 lm	4041 lm																																																
EFFICACY	89 lm/W	92 lm/W																																																
IMAX	7583 cd	7834 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	4501 lm	4650 lm																																																
FIXTURE FLUX	3961 lm	4092 lm																																																
EFFICACY	90 lm/W	93 lm/W																																																
IMAX	5310 cd	5486 cd																																																
<p>TS 759</p> <p>LED $\alpha = 36^\circ$ I_{max} 2092 cd/klm</p>	<p>FIXTURE POWER 51W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>6162 lm</td> <td>6364 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>5216 lm</td> <td>5387 lm</td> </tr> <tr> <td>EFFICACY</td> <td>102 lm/W</td> <td>106 lm/W</td> </tr> <tr> <td>IMAX</td> <td>12888 cd</td> <td>13310 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	6162 lm	6364 lm	FIXTURE FLUX	5216 lm	5387 lm	EFFICACY	102 lm/W	106 lm/W	IMAX	12888 cd	13310 cd	<p>TS 760</p> <p>LED $\alpha = 47^\circ$ I_{max} 1472 cd/klm</p>	<p>FIXTURE POWER 51W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>6162 lm</td> <td>6364 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>5355 lm</td> <td>5530 lm</td> </tr> <tr> <td>EFFICACY</td> <td>105 lm/W</td> <td>108 lm/W</td> </tr> <tr> <td>IMAX</td> <td>9071 cd</td> <td>9368 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	6162 lm	6364 lm	FIXTURE FLUX	5355 lm	5530 lm	EFFICACY	105 lm/W	108 lm/W	IMAX	9071 cd	9368 cd	<p>TS 761</p> <p>LED $\alpha = 59^\circ$ I_{max} 1076 cd/klm</p>	<p>FIXTURE POWER 51W</p> <table border="1"> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>6162 lm</td> <td>6364 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>5423 lm</td> <td>5600 lm</td> </tr> <tr> <td>EFFICACY</td> <td>106 lm/W</td> <td>110 lm/W</td> </tr> <tr> <td>IMAX</td> <td>6632 cd</td> <td>6849 cd</td> </tr> </table>	KELVIN	3000K	4000K	LED FLUX	6162 lm	6364 lm	FIXTURE FLUX	5423 lm	5600 lm	EFFICACY	106 lm/W	110 lm/W	IMAX	6632 cd	6849 cd
KELVIN	3000K	4000K																																																
LED FLUX	6162 lm	6364 lm																																																
FIXTURE FLUX	5216 lm	5387 lm																																																
EFFICACY	102 lm/W	106 lm/W																																																
IMAX	12888 cd	13310 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	6162 lm	6364 lm																																																
FIXTURE FLUX	5355 lm	5530 lm																																																
EFFICACY	105 lm/W	108 lm/W																																																
IMAX	9071 cd	9368 cd																																																
KELVIN	3000K	4000K																																																
LED FLUX	6162 lm	6364 lm																																																
FIXTURE FLUX	5423 lm	5600 lm																																																
EFFICACY	106 lm/W	110 lm/W																																																
IMAX	6632 cd	6849 cd																																																

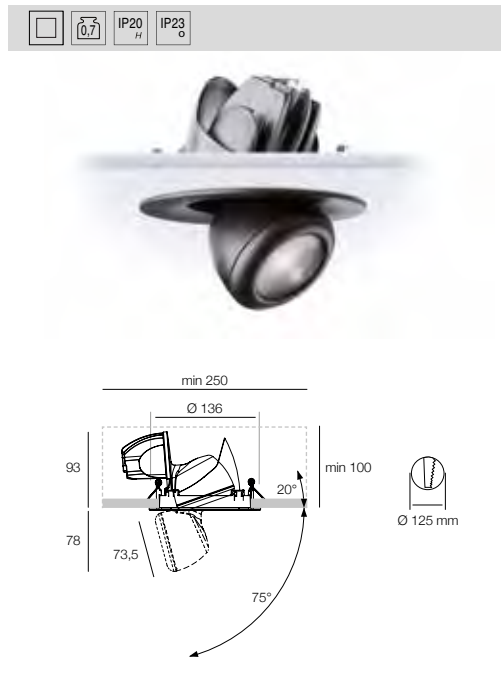
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

CLOUD ACCESSORIES

OPTICAL ACCESSORIES		CODE	
	Chromatic filters Interference glass filters. To be completed with dedicated holder ring.	Red 1T1712 Green 1T1713 Blue 1T1714 Yellow 1T1715 Magenta 1T1716	
		Tone filters Interference glass filters to vary the colour temperature of light. To be completed with dedicated holder ring.	Gold 1T1786 Cold 1T1777 Peach 1T1759
		Blade light filter Parallel ribbed glass filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. To be completed with dedicated holder ring.	1T1708
		Diffusive filter Wired refractive glass filter. This softens the luminous effect. To be completed with dedicated holder ring.	1T1709
		Anti-glare grid Black lacquered metal honeycomb structure. To be completed with dedicated holder ring.	1T1711
		Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432	
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143	
	Holder ring Black painted aluminium holder ring for the accessories.	1T3727	

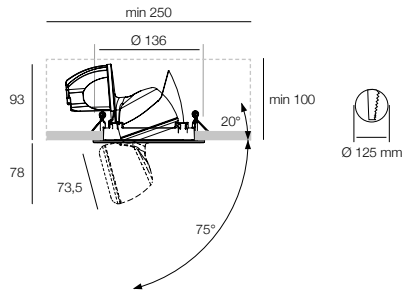
CLOUD MINI

Led recessed extractable projector. Head, front ring and heat sink in die-cast aluminium painted in plaster white or deep black finish. Extractable optic group and integrated dissipator with rotation system by friction on hinges. Warm white and neutral white Ra84 high emission LED; Ra97 on request. Dedicated optic groups equipped with proprietary methacrylate lenses or precision optics with convex facets made of superpure aluminium available in Spot, Flood, Medium wide flood and Wide flood versions. May be manually aimed from -20° to +75° in the vertical plane and 355° in the horizontal plane. Removable front ring for the insertion of dedicated optical accessories. Tool-free ultra-fast installation system for mounting into false ceilings measuring from 0.5 to 25mm. Passive dissipation system. Electronic or DALI driver included.



OPTIC WITH CONVEX FACETS

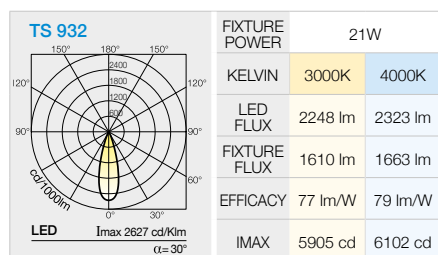
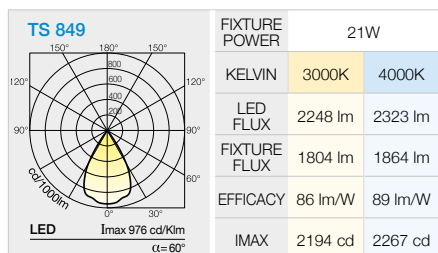
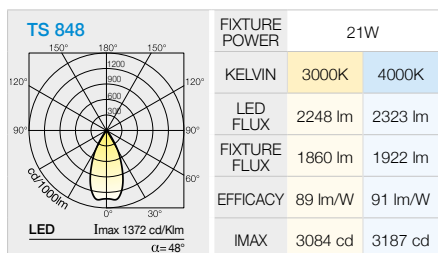
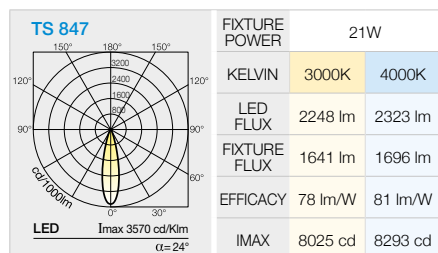
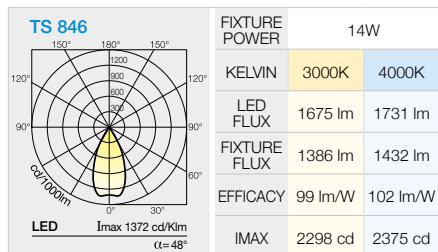
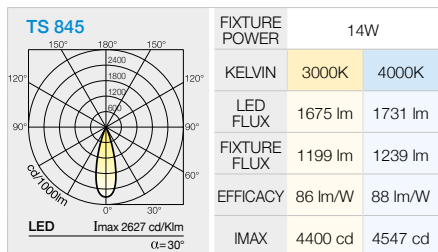
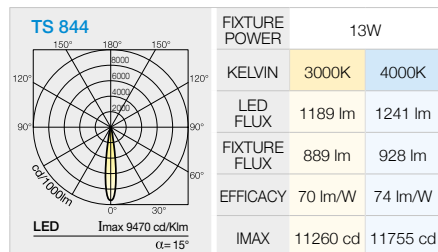
LED	OPTIC	LED COLOR	FINISHES	POWER SUPPLY	△	COD.
12W	MWFL	3000K WW	white	electronic	TS 846	1T4220EL
12W	MWFL	3000K WW	black	electronic	TS 846	1T4221EL
12W	MWFL	4000K NW	white	electronic	TS 846	1T4232EL
12W	MWFL	4000K NW	black	electronic	TS 846	1T4233EL
12W	MWFL	3000K WW	white	DALI	TS 846	1T4220DA
12W	MWFL	3000K WW	black	DALI	TS 846	1T4221DA
12W	MWFL	4000K NW	white	DALI	TS 846	1T4232DA
12W	MWFL	4000K NW	black	DALI	TS 846	1T4233DA
18W	MWFL	3000K WW	white	electronic	TS 848	1T4224EL
18W	MWFL	3000K WW	black	electronic	TS 848	1T4225EL
18W	MWFL	4000K NW	white	electronic	TS 848	1T4236EL
18W	MWFL	4000K NW	black	electronic	TS 848	1T4237EL
18W	MWFL	3000K WW	white	DALI	TS 848	1T4224DA
18W	MWFL	3000K WW	black	DALI	TS 848	1T4225DA
18W	MWFL	4000K NW	white	DALI	TS 848	1T4236DA
18W	MWFL	4000K NW	black	DALI	TS 848	1T4237DA
18W	WFL	3000K WW	white	electronic	TS 849	1T4226EL
18W	WFL	3000K WW	black	electronic	TS 849	1T4227EL
18W	WFL	4000K NW	white	electronic	TS 849	1T4238EL
18W	WFL	4000K NW	black	electronic	TS 849	1T4239EL
18W	WFL	3000K WW	white	DALI	TS 849	1T4226DA
18W	WFL	3000K WW	black	DALI	TS 849	1T4227DA
18W	WFL	4000K NW	white	DALI	TS 849	1T4238DA
18W	WFL	4000K NW	black	DALI	TS 849	1T4239DA



OPTIC WITH METHACRYLATE LENSES







LED	OPTIC	LED COLOR	FINISHES	POWER SUPPLY	△	COD.
11W	SP	3000K WW	white	electronic	TS 844	1T4216EL
11W	SP	3000K WW	black	electronic	TS 844	1T4217EL
11W	SP	4000K NW	white	electronic	TS 844	1T4228EL
11W	SP	4000K NW	black	electronic	TS 844	1T4229EL
11W	SP	3000K WW	white	DALI	TS 844	1T4216DA
11W	SP	3000K WW	black	DALI	TS 844	1T4217DA
11W	SP	4000K NW	white	DALI	TS 844	1T4228DA
11W	SP	4000K NW	black	DALI	TS 844	1T4229DA
12W	FL	3000K WW	white	electronic	TS 845	1T4218EL
12W	FL	3000K WW	black	electronic	TS 845	1T4219EL
12W	FL	4000K NW	white	electronic	TS 845	1T4230EL
12W	FL	4000K NW	black	electronic	TS 845	1T4231EL
12W	FL	3000K WW	white	DALI	TS 845	1T4218DA
12W	FL	3000K WW	black	DALI	TS 845	1T4219DA
12W	FL	4000K NW	white	DALI	TS 845	1T4230DA
12W	FL	4000K NW	black	DALI	TS 845	1T4231DA
18W	SP	3000K WW	white	electronic	TS 847	1T4222EL
18W	SP	3000K WW	black	electronic	TS 847	1T4223EL
18W	SP	4000K NW	white	electronic	TS 847	1T4234EL
18W	SP	4000K NW	black	electronic	TS 847	1T4235EL
18W	SP	3000K WW	white	DALI	TS 847	1T4222DA
18W	SP	3000K WW	black	DALI	TS 847	1T4223DA
18W	SP	4000K NW	white	DALI	TS 847	1T4234DA
18W	SP	4000K NW	black	DALI	TS 847	1T4235DA
18W	FL	3000K WW	white	electronic	TS 932	1T4793EL
18W	FL	3000K WW	black	electronic	TS 932	1T4794EL
18W	FL	4000K NW	white	electronic	TS 932	1T4795EL
18W	FL	4000K NW	black	electronic	TS 932	1T4796EL
18W	FL	3000K WW	white	DALI	TS 932	1T4793DA
18W	FL	3000K WW	black	DALI	TS 932	1T4794DA
18W	FL	4000K NW	white	DALI	TS 932	1T4795DA
18W	FL	4000K NW	black	DALI	TS 932	1T4796DA

CLOUD MINI



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

CLOUD MINI ACCESSORIES

OPTICAL ACCESSORIES		CODE
	Chromatic filters Interference flat glass filters. Diameter 50mm.	Red 49881
		Green 49882
		Blue 49887
		Yellow 49886
		Magenta 49959
	Tone filters Interference glass filters to vary the colour temperature of light. Diameter 50mm.	Gold 1T1748
		Cold 1T1745
		Peach 1T1751
	Blade of ligh filter PMMA holographic filter; more evident when combined with spot and flood optics. Diameter 50mm.	1T4721
	Anti-glare grid Black lacquered metal honeycomb structure. Complete with diffusive holographic filter.	1T4322
	Zoom Optical system consists of flat convex lens in optical glass, specular reflector in anodized aluminium and diffusive holographic filter. To be used after removing the existing optic. It can not be used with narrow spot optic. It allows to obtain a variable beam from 15 ° to 60 °.	1T4324
	Asymmetric screen Asymmetric screen in anodized diffusive aluminum, black painted outside. Complete with blade light filter. Ideal for a wall washer effect. To be combined with spot and flood optics.	1T4325

NAUTUS

design Daniel Bernard

EXTRACTABLE RECESSED PROJECTOR FOR HALOGEN AND METAL HALIDE LAMPS



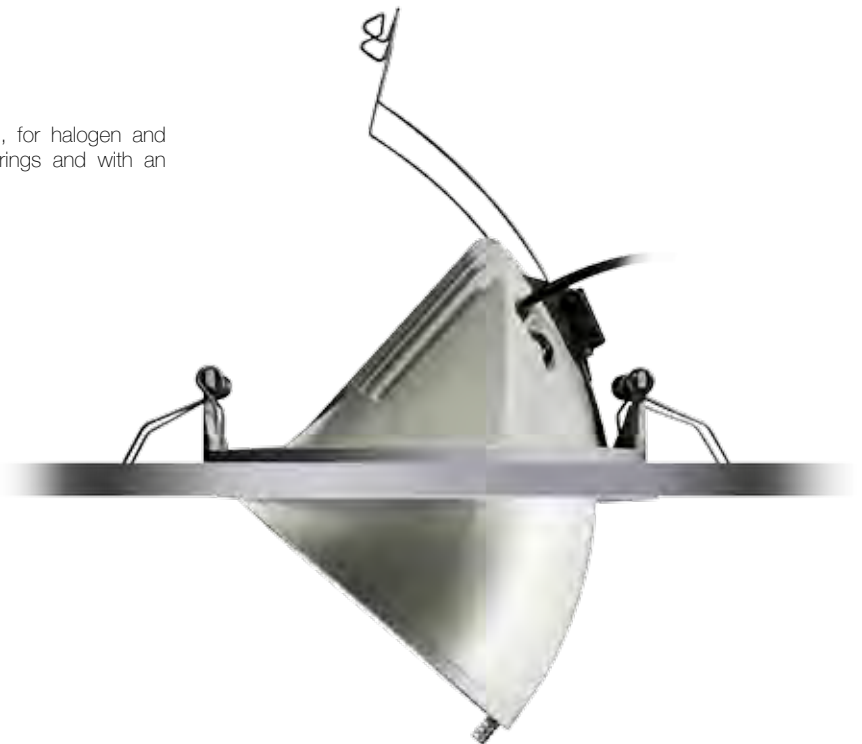
DESIGN AND FUNCTIONALITY

The original asymmetry of the shapes, the essentiality of the design and the attention to details makes NAUTUS a fixture which is capable of integrating and characterising any environment.



MULTIPLE VERSIONS

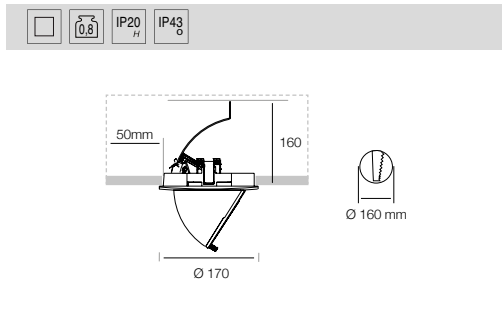
There are many versions available: large and small, for halogen and discharge lamps, with round and square finishing rings and with an original curved profile.




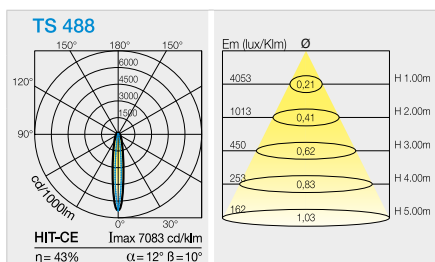
NAUTUS

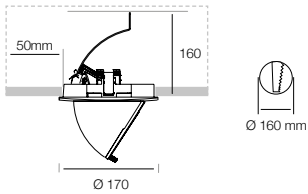
LARGE

Extractable recessed projector for metal halide and halogen lamps. Die-cast aluminium outer ring. Extractable, die-cast aluminium optical body with a friction sliding system on a flexible, double bar and a finned heat sink. Can be adjusted 355° horizontally and 58° vertically. Discharge versions equipped with precision optics having a parabolic section presenting different profiles and finishes according to the beam angle. Spot and Flood lights, complete with anti-glare spill-ring. Rapid mounting electrical connection system. Complete with borosilicate safety glass.



HIT-CE 		OPTIC	RING	COLOUR	△	CODE
G12	35/50/70/100/150W	SP	round	aluminium	TS 488	1T1290
	35/50/70/100/150W	SP	round	black	TS 488	1T1291
	35/50/70/100/150W	SP	round	white	TS 488	1T1292
	35/50/70/100/150W	FL	round	aluminium	TS 489	1T1293
	35/50/70/100/150W	FL	round	black	TS 489	1T1294
	35/50/70/100/150W	FL	round	white	TS 489	1T1295
	35/50/70/100/150W	WFL	round	aluminium	TS 490	1T1296
	35/50/70/100/150W	WFL	round	black	TS 490	1T1297
	35/50/70/100/150W	WFL	round	white	TS 490	1T1298
	35/50/70/100/150W	VWFL	round	aluminium	TS 491	1T1299
	35/50/70/100/150W	VWFL	round	black	TS 491	1T1300
	35/50/70/100/150W	VWFL	round	white	TS 491	1T1301
	35/50/70/100/150W	SP	square	aluminium	TS 488	1T1302
	35/50/70/100/150W	SP	square	black	TS 488	1T1303
	35/50/70/100/150W	SP	square	white	TS 488	1T1304
	35/50/70/100/150W	FL	square	aluminium	TS 489	1T1305
	35/50/70/100/150W	FL	square	black	TS 489	1T1306
	35/50/70/100/150W	FL	square	white	TS 489	1T1307
	35/50/70/100/150W	WFL	square	aluminium	TS 490	1T1308
	35/50/70/100/150W	WFL	square	black	TS 490	1T1309
35/50/70/100/150W	WFL	square	white	TS 490	1T1310	
35/50/70/100/150W	VWFL	square	aluminium	TS 491	1T1311	
35/50/70/100/150W	VWFL	square	black	TS 491	1T1312	
35/50/70/100/150W	VWFL	square	white	TS 491	1T1313	





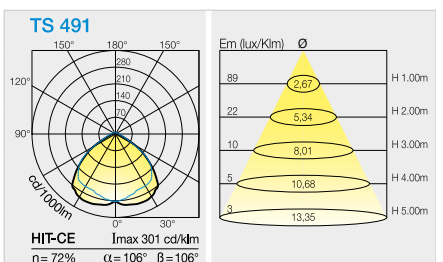
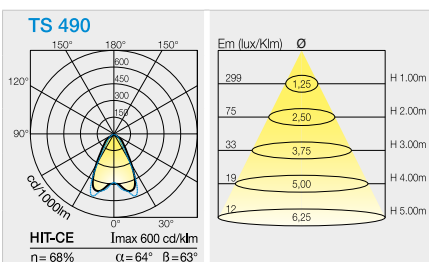
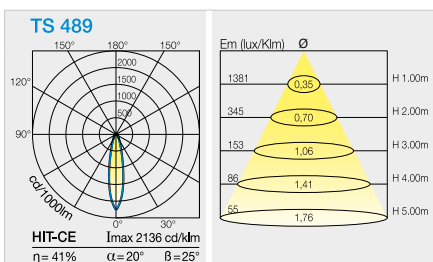
QR111		RING	COLOUR	CODE
G53	max 100W 12V	round	aluminium	1T1314
	max 100W 12V	round	black	1T1315
	max 100W 12V	round	white	1T1316
	max 100W 12V	square	aluminium	1T1317
	max 100W 12V	square	black	1T1318
	max 100W 12V	square	white	1T1319

REMOTE POWER SUPPLY



		LxPxH	CODE
Magnetic power supply 230-240V 50/60 Hz	35W	214x79x79 mm	57094
	70W	214x79x79 mm	57097
	150W	214x79x79 mm	57098
Electronic power supply 220-240V 50/60 Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501
	100W	185x33x96 mm	1T2531
	150W	210x35x80 mm	1T0502
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-105W	118x21x35 mm	47568

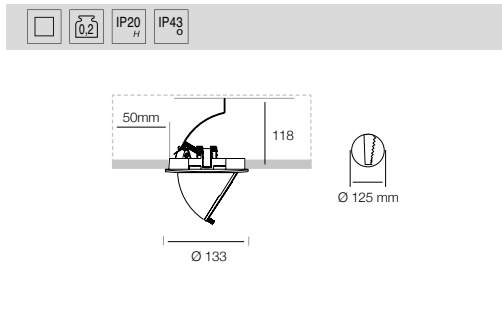
Accessories See page 204



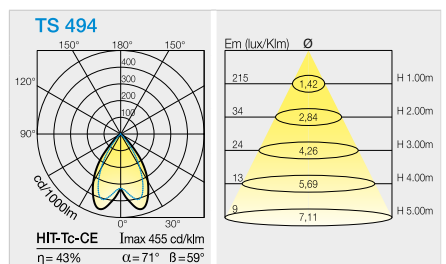
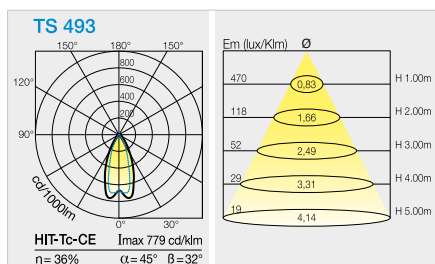
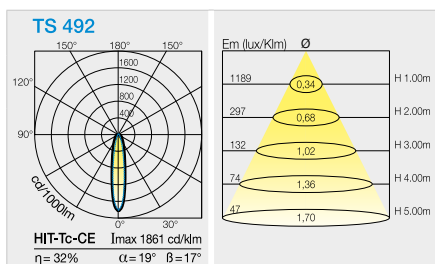
NAUTUS

SMALL


Extractable and compact recessed projector for metal halide and halogen lamps. Die-cast aluminium outer ring. Extractable, die-cast aluminium optical body with a friction sliding system on a flexible, double bar and a finned heat sink. Can be adjusted 355° horizontally and 58° vertically. Discharge versions equipped with precision optics having a parabolic section presenting different profiles and finishes according to the beam angle. Spot and Flood lights, complete with anti-glare spill-ring. Rapid mounting electrical connection system. Complete with borosilicate safety glass.



HIT-Tc-CE		OPTIC	RING	COLOUR	△	CODE
G8.5	35/50/70W	SP	round	aluminium	TS 492	1T1320
	35/50/70W	SP	round	black	TS 492	1T1321
	35/50/70W	SP	round	white	TS 492	1T1322
	35/50/70W	FL	round	aluminium	TS 493	1T1323
	35/50/70W	FL	round	black	TS 493	1T1324
	35/50/70W	FL	round	white	TS 493	1T1325
	35/50/70W	WFL	round	aluminium	TS 494	1T1326
	35/50/70W	WFL	round	black	TS 494	1T1327
	35/50/70W	WFL	round	white	TS 494	1T1328
	35/50/70W	SP	square	aluminium	TS 492	1T1329
	35/50/70W	SP	square	black	TS 492	1T1330
	35/50/70W	SP	square	white	TS 492	1T1331
	35/50/70W	FL	square	aluminium	TS 493	1T1332
	35/50/70W	FL	square	black	TS 493	1T1333
	35/50/70W	FL	square	white	TS 493	1T1334
	35/50/70W	WFL	square	aluminium	TS 494	1T1335
	35/50/70W	WFL	square	black	TS 494	1T1336
	35/50/70W	WFL	square	white	TS 494	1T1337





QR-CB 51 		RING	COLOUR	CODE
GU5.3	max 50W 12V	round	aluminium	1T1338
	max 50W 12V	round	black	1T1339
	max 50W 12V	round	white	1T1340
	max 50W 12V	square	aluminium	1T1341
	max 50W 12V	square	black	1T1342
	max 50W 12V	square	white	1T1343

REMOTE POWER SUPPLY



		LxPxH	CODE
Electronic power supply 220-240V 50/60 Hz	35W	150x35x80 mm	1T0500
	70W	150x35x80 mm	1T0501
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-60W	94x20x31 mm	47567
	20-150W	118x21x35 mm	47568

Accessories See page 205

NAUTUS ACCESSORIES

OPTICAL ACCESSORIES for NAUTUS HIT-CE



Chromatic filters

Interference flat glass filters. Diameter 101mm.

Red [1T1700](#)

Green [1T1701](#)

Blue [1T1702](#)

Yellow [1T1703](#)

Magenta [1T1704](#)



Corrective filters

Interference flat glass filters to vary the colour temperature of light. Diameter 101 mm.

Sun [1T1705](#)

Sunset [1T1706](#)

Polar [1T1707](#)



Blade light filter

Striped refractive glass filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. Diameter 101 mm.

[1T1696](#)



Diffusive filter

Parallel ribbed glass filter. This softens the luminous effect. Diameter 101 mm.

[1T1697](#)



Anti-glare grid

Honey comb structure made of metal painted black. Diameter 101 mm. Max 70W in the HIT-CE version.

[1T1699](#)



UV Stop filter

Interference flat glass filters to reduce the UV/B rays and block (>90%) the UV/A rays. Diameter 101 mm.

[1T1698](#)

OPTICAL ACCESSORIES for NAUTUS HIT-Tc-CE



Chromatic filters

Interference flat glass filters. Diameter 70mm.

Red	1T1712
Green	1T1713
Blue	1T1714
Yellow	1T1715
Magenta	1T1716



Corrective filters

Interference flat glass filters to vary the colour temperature of the light. Diameter 70 mm.

Sun	1T1717
Sunset	1T1718
Polar	1T1719



Light blade filter

Parallel ribbed glass filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. Diameter 70 mm.

[1T1708](#)



Diffusive filter

Wired refractive flat glass filters. This softens the luminous effect. Diameter 70 mm.

[1T1709](#)



Anti-glare grid

Honey comb structure made of metal painted black. Diameter 70 mm. Max HIT-Tc-CE 35W.

[1T1711](#)



UV Stop filter

Interference flat glass filters to reduce the UV/B rays and block (>90%) the UV/A rays. Diameter 70 mm.

[1T1710](#)

MAGMA



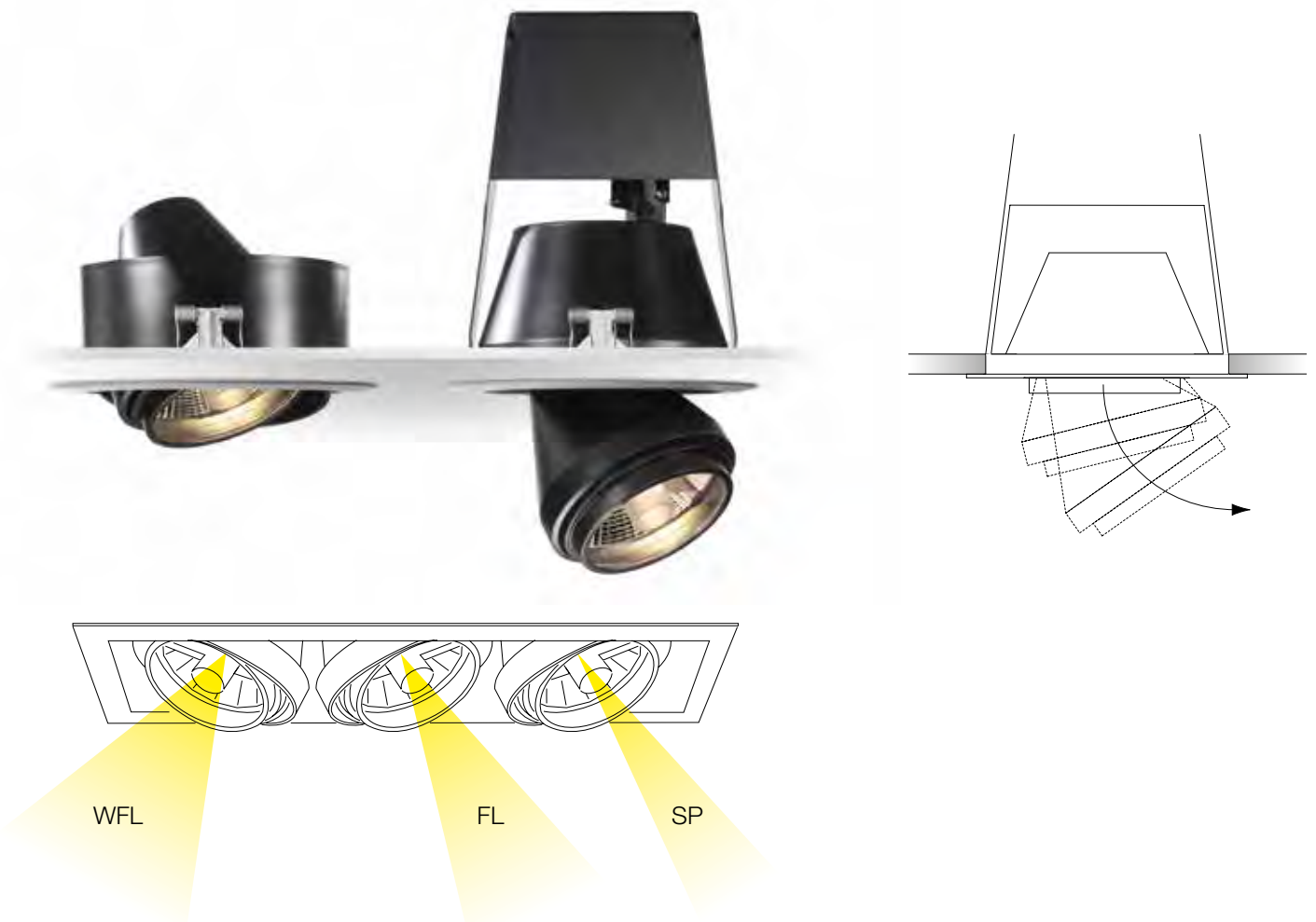
Harmont & Blaine showroom - Rome

GIMBAL RECESSED AND EXTRACTABLE PROJECTOR FOR HALOGEN, METAL HALIDE AND LED SOURCES



WIDE SELECTION, MAXIMUM MODULARITY

Gimbal or extractable in order to best satisfy every design requirement. The Gimbal version is discreet and effective, with an adjustability of $\pm 30^\circ$ by means of concentric rings. The extractable version is able to provide an adjustability of up to $\pm 70^\circ$. In the MAGMA series, the fixture's body can be equipped with the power supply and optics which are most suited to the design requirements. In this way, the same composition can include different wattages and beam angles in order to create an endless number of light settings.



MAGMA




MORE AND MORE LED LIGHTS


MAGMA has updated its LED versions and fitted them with an optical platform and a CCTLED Architectural source for improved precision and performance. Similar performance, sources and beam widths for products from different segments in order to meet different project needs consistently.





COORDINATED PROFESSIONAL LIGHT

MAGMA also has a projector version with the same power supply, optics and LED sources to meet different needs consistently.

TYPE	LAMP	OPTIC			
		SP	FL	MWFL	WFL
ROUND GIMBAL					
	HIT-CE	35W	35W	35W	35W
		50W	50W	50W	50W
		70W	70W	70W	70W
		100W	100W	100W	100W
		150W	150W	150W	150W
	LED	25W	25W	25W	25W
		39W	39W	39W	39W

SQUARE GIMBAL					
	1x HIT-CE	35W	35W	35W	35W
	2x HIT-CE	50W	50W	50W	50W
	3x HIT-CE	70W	70W	70W	70W
		100W	100W	100W	100W
		150W	150W	150W	150W

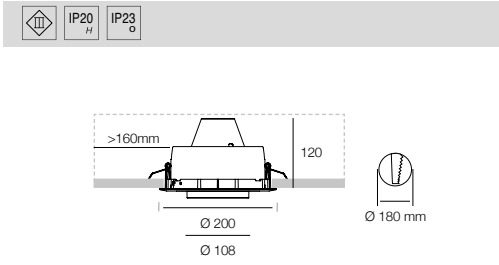
ROUND EXTRACTABLE					
	HIT-CE	35W	35W	35W	35W
		50W	50W	50W	50W
		70W	70W	70W	70W
		100W	100W	100W	100W
		150W	150W	150W	150W

SQUARE EXTRACTABLE					
	1x HIT-CE	35W	35W	35W	35W
	2x HIT-CE	50W	50W	50W	50W
	3x HIT-CE	70W	70W	70W	70W
		100W	100W	100W	100W
		150W	150W	150W	150W

MAGMA

LED GIMBAL

LED recessed professional projector. Die-cast aluminium body and internal rings and aluminium external rings. Available in two-tone painted aluminium/black or all white. Gimbal system on concentric rings makes it possible to adjust the optic unit +/-30° on any axis. High emission warm white or neutral white LED. Ra84; Ra 97 on request. Precision optics with convex facets in metallised polycarbonate available in Spot, Flood and Medium wide flood versions. Treated with a highly reflective "Scratch Proof Formula". A large range of accessories and optic screens can be fitted to the fixture. To be completed with a control gear kit, available in versions: basic electronic, 1/10V dimmable and DALI dimmable. Emergency kit with 3h battery.

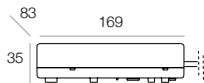


LED	OPTIC	CURRENT	FINISHES	LED COLOR	△	CODE
25W	SP	700mA	plaster white	WW 3000K	TS 631	1T4007
25W	SP	700mA	plaster white	NW 4000K	TS 631	1T4008
25W	SP	700mA	aluminium/black	WW 3000K	TS 631	1T4009
25W	SP	700mA	aluminium/black	NW 4000K	TS 631	1T4010
25W	FL	700mA	plaster white	WW 3000K	TS 632	1T4011
25W	FL	700mA	plaster white	NW 4000K	TS 632	1T4012
25W	FL	700mA	aluminium/black	WW 3000K	TS 632	1T4013
25W	FL	700mA	aluminium/black	NW 4000K	TS 632	1T4014
25W	MWFL	700mA	plaster white	WW 3000K	TS 633	1T4015
25W	MWFL	700mA	plaster white	NW 4000K	TS 633	1T4016
25W	MWFL	700mA	aluminium/black	WW 3000K	TS 633	1T4017
25W	MWFL	700mA	aluminium/black	NW 4000K	TS 633	1T4018
39W	SP	1050mA	plaster white	WW 3000K	TS 631	1T4019
39W	SP	1050mA	plaster white	NW 4000K	TS 631	1T4020
39W	SP	1050mA	aluminium/black	WW 3000K	TS 631	1T4021
39W	SP	1050mA	aluminium/black	NW 4000K	TS 631	1T4022
39W	FL	1050mA	plaster white	WW 3000K	TS 632	1T4023
39W	FL	1050mA	plaster white	NW 4000K	TS 632	1T4024
39W	FL	1050mA	aluminium/black	WW 3000K	TS 632	1T4025
39W	FL	1050mA	aluminium/black	NW 4000K	TS 632	1T4026
39W	MWFL	1050mA	plaster white	WW 3000K	TS 633	1T4027
39W	MWFL	1050mA	plaster white	NW 4000K	TS 633	1T4028
39W	MWFL	1050mA	aluminium/black	WW 3000K	TS 633	1T4029
39W	MWFL	1050mA	aluminium/black	NW 4000K	TS 633	1T4030

POWER SUPPLY

700mA

1050mA



Electronic 110-240V	1T2963	1T3781
Electronic 1/10V + touch dimm 110-240V	1T2964	1T3782
DALI dimmable electronic 110-240V	1T2965	1T3783

Emergency kit

CODE

Inverter + Battery pack 3h	1T3144
----------------------------	---------------

Synchronization cable

CODE

Synchronizes the dimming between 2 drivers. It is possible to connect up to 10 driver in order to maintain a uniform effect for all fixtures.	1T2833
-----------------------------------------------------------------------------------------------------------------------------------------------	---------------

Accessories See page 216

TS 631

FIXTURE POWER	29W	
KELVIN	3000K	4000K
LED FLUX	3302 lm	3411 lm
FIXTURE FLUX	2808 lm	2901 lm
EFFICACY	97 lm/W	100 lm/W
IMAX	25776 cd	26627 cd

LED I_{max} 7806 cd/Klm $\alpha=14^\circ$

TS 632

FIXTURE POWER	29W	
KELVIN	3000K	4000K
LED FLUX	3302 lm	3411 lm
FIXTURE FLUX	2795 lm	2887 lm
EFFICACY	96 lm/W	100 lm/W
IMAX	9738 cd	10059 cd

LED I_{max} 2949 cd/Klm $\alpha=28^\circ$

TS 633

FIXTURE POWER	29W	
KELVIN	3000K	4000K
LED FLUX	3302 lm	3411 lm
FIXTURE FLUX	2869 lm	2964 lm
EFFICACY	99 lm/W	102 lm/W
IMAX	5463 cd	5643 cd

LED I_{max} 1654 cd/Klm $\alpha=45^\circ$

TS 631

FIXTURE POWER	43W	
KELVIN	3000K	4000K
LED FLUX	4479 lm	4627 lm
FIXTURE FLUX	3809 lm	3935 lm
EFFICACY	89 lm/W	91 lm/W
IMAX	34964 cd	36119 cd

LED I_{max} 7806 cd/Klm $\alpha=14^\circ$

TS 632

FIXTURE POWER	43W	
KELVIN	3000K	4000K
LED FLUX	4479 lm	4627 lm
FIXTURE FLUX	3791 lm	3917 lm
EFFICACY	88 lm/W	91 lm/W
IMAX	13209 cd	13646 cd

LED I_{max} 2949 cd/Klm $\alpha=28^\circ$

TS 633

FIXTURE POWER	43W	
KELVIN	3000K	4000K
LED FLUX	4479 lm	4627 lm
FIXTURE FLUX	3892 lm	4021 lm
EFFICACY	90 lm/W	93 lm/W
IMAX	7410 cd	7655 cd

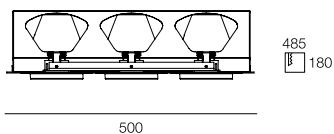
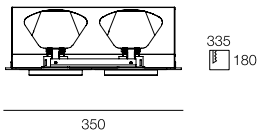
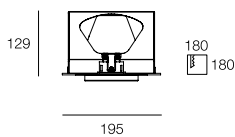
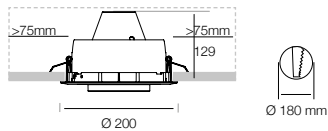
LED I_{max} 1654 cd/Klm $\alpha=45^\circ$

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

MAGMA

HIT GIMBAL

Adjustable recessed projector for metal halide lamps. Body and internal rings made of die-cast aluminium. Die-cast aluminium outer ring. Available bi-colour aluminium-black or all white painted. Gimbal system on concentric rings for the optics to be adjusted $\pm 30^\circ$ on either axis. Rapid mounting system for false ceiling installation. Rapid mounting electrical connection system. Complete with safety glass.



HIT-CE	LAMP	RING	FINISHES	WEIGHT	CODE
G12	1x max 150W	round	white	1,0 Kg	1T3651
	1x max 150W	round	aluminium-black	1,0 Kg	1T2204N
	1x max 150W	square	white	1,8 Kg	1T3652
	1x max 150W	square	aluminium-black	1,8 Kg	1T2206N
	2x max 150W	rectangular	white	3,1 Kg	1T3653
	2x max 150W	rectangular	aluminium-black	3,1 Kg	1T2207N
	3x max 150W	rectangular	white	4,5 Kg	1T3654
	3x max 150W	rectangular	aluminium-black	4,5 Kg	1T2208N

The fitting must be completed with the necessary quantity of optics according to the typology chosen.

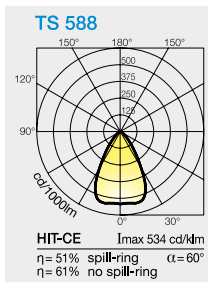
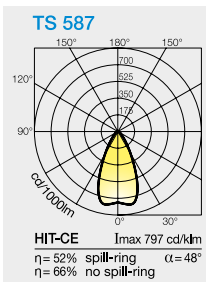
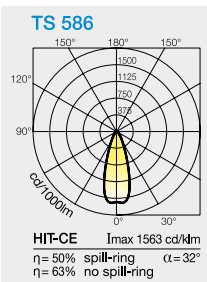
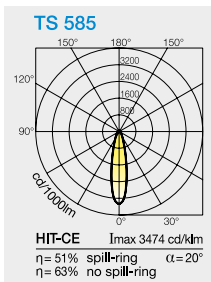


OPTIC	FINISHES	△	CODE
SP	white		TS 585 1T2097N
SP	aluminium-black		TS 585 1T2101N
FL	white		TS 586 1T2098N
FL	aluminium-black		TS 586 1T2102N
MWFL	white		TS 587 1T2558N
MWFL	aluminium-black		TS 587 1T2559N
WFL	white		TS 588 1T2099N
WFL	aluminium-black		TS 588 1T2103N



REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
		150W 214x79x79 mm	57098
	Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501
		100W 185x33x96 mm	1T2531
		150W 210x35x80 mm	1T0502

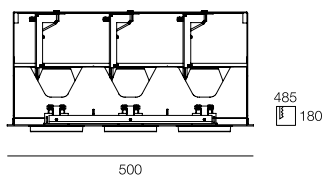
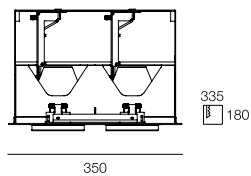
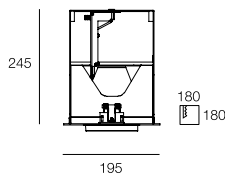
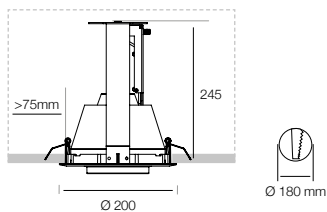
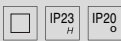
Accessories See page 216



MAGMA

EXTRACTABLE

Extractable recessed projector for metal halide lamps. Die-cast aluminium body painted black. Outer ring made of die-cast aluminium painted black. Available bi-colour aluminium-black or all white painted. Extractable optics that can be adjusted $\pm 70^\circ$ on either axis. Rapid mounting system to the false ceiling. Rapid mounting electrical connection system. Complete with safety glass.



HIT-CE	RING	FINISHES	WEIGHT	CODE
G12 1x max 150W	round	white	1,0 Kg	1T3647
1x max 150W	round	aluminium-black	1,0 Kg	1T2205N
1x max 150W	square	white	1,8 Kg	1T3648
1x max 150W	square	aluminium-black	1,8 Kg	1T2209N
2x max 150W	rectangular	white	3,1 Kg	1T3649
2x max 150W	rectangular	aluminium-black	3,1 Kg	1T2210N
3x max 150W	rectangular	white	4,5 Kg	1T3650
3x max 150W	rectangular	aluminium-black	4,5 Kg	1T2211N

The fitting must be completed with the necessary quantity of optics according to the typology chosen.

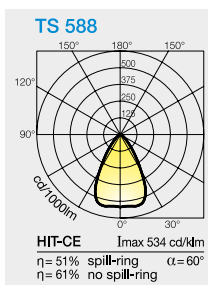
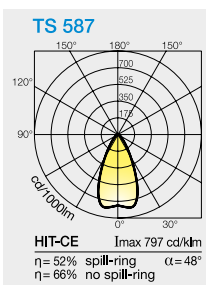
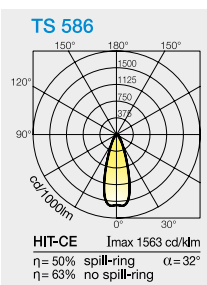
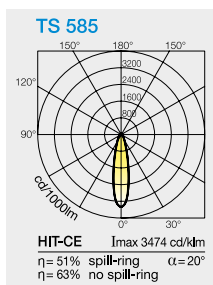


OPTIC	FINISHES		CODE
SP	white	TS 585	1T2097N
SP	black	TS 585	1T2101N
FL	white	TS 586	1T2098N
FL	black	TS 586	1T2102N
MWFL	white	TS 587	1T2558N
MWFL	black	TS 587	1T2559N
WFL	white	TS 588	1T2099N
WFL	black	TS 588	1T2103N





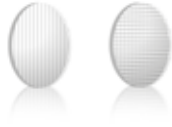






REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
	Electronic power supply 220-240V 50/60 Hz	150W 214x79x79 mm	57098
		35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501
		100W 185x33x96 mm	1T2531
		150W 210x35x80 mm	1T0502

Accessories See page 216



MAGMA

		HIT-CE	LED
			
<p>Chromatic and UV Stop filters Interference filters on flat glass. UV filter to reduce the UV/B rays and block (>90%) the UV/A rays. To be completed with additional holder ring. HIT-CE diameter is 101 mm. LED diameter is 70 mm.</p>		<p>1T1700 Red 1T1701 Green 1T1702 Blue 1T1703 Yellow 1T1704 Magenta 1T1698 UV Stop</p>	<p>1T1712 Red 1T1713 Green 1T1714 Blue 1T1715 Yellow 1T1716 Magenta</p>
<p>Corrective filters Interference filters on flat glass to vary the colour temperature of the light. To be completed with additional holder ring. HIT-CE diameter is 101 mm. LED diameter is 70 mm.</p>		<p>1T1705 Sun 1T1706 Sunset 1T1707 Polar</p>	<p>1T1786 Sun 1T1777 Sunset 1T1759 Polar</p>
<p>Diffusive and Blade filter Refractive filter on flat glass. Wired diffusive filter to soften the luminous effect; ribbed blade filter to ovalize the beam. To be completed with additional holder ring. HIT-CE diameter is 101 mm. LED diameter is 70 mm.</p>		<p>1T1697 Diffusive 1T1696 Blade of light</p>	<p>1T1709 Diffusive 1T1708 Blade of light</p>
<p>Holder ring Painted aluminium ring to hold the accessories.</p>		<p>1T2109N White 1T2110N Black</p>	<p>1T3727</p>
<p>Anti-glare grid Honey comb structure made of black painted metal. HIT-CE version completes with holder ring and transparent protection glass. Max 70W in the HIT-CE version. HIT-CE diameter is 101 mm. LED diameter is 79 mm.</p>		<p>1T2561N White 1T2562N Black</p>	<p>1T3423</p>
<p>Cut-off Tube Allows for the beam to be focused while removing the fall-off component.</p>			<p>1T3142</p>
<p>Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.</p>			<p>1T3432</p>
<p>Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.</p>			<p>1T3143</p>



Harmont & Blaine store - Rome, Italy

KR1

MULTI OPTIC RECESSED PROJECTOR FOR HALOGEN, METAL HALIDE AND LED SOURCES



FOR RETAIL OUTLETS

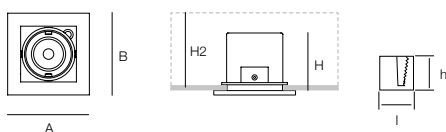
The option of different configurations – from one to four lamps, even of different types – make KR1 the perfect fixture for the retail sector that requires products capable of integrating both aesthetics and functional flexibility. Each optical element can be easily adjusted by up to $\pm 43^\circ$ on one side and $\pm 20^\circ$ on the other side. The 3x version also allows mounting discharge, halogen or LED light sources at the same time for complete and precise effects.



Carlo Pazolini Flagship Store - New York, USA. Project: Arch. G. Boruso

KR1

Adjustable recessed projector for halogen, metal halide and LED sources. Black painted metal body. Metal frame in aluminium colours finish. Light emission depending on the beam width of the selected source. Optics +/- 43° adjustable on the long side and +/- 20° on the short one. Rapid mounting system to the false ceiling by means of pre-galvanised steel brackets. Remote power supply available as an accessory.



A	B	H	H2	I	h	
185	185	150	220	170	170	LED DR111
185	185	186	240	170	170	HIT-CE
185	185	84	140	170	170	QR111
144	144	102	210	128	128	QR-CB 51 LED MR16



MODULO 1X

LED DR111		FINISHES	CODE
-----------	--	----------	------

GU10	15W	aluminium	1V73388
------	-----	-----------	----------------

Does not require accessory driver. Not dimmable.

HIT-CE	OPTIC	FINISHES		CODE
--------	-------	----------	--	------

G12	max 150W	aluminium	VI 130	1V7545
-----	----------	-----------	--------	---------------

QR111		FINISHES	CODE
-------	--	----------	------

G53	max 100W	aluminium	1V7164
-----	----------	-----------	---------------

QR-CB 51	LED MR16	FINISHES	CODE
----------	----------	----------	------

GU5.3	max 50W / 5,5-7,5W	aluminium	1V7160
-------	--------------------	-----------	---------------

Remote power supply available as an accessory.
MR16 LED lamp 5,5W not dimmable, MR16 LED lamp 7,5W dimmable.

LED LAMPS

LED DR111		OPTIC	LED COLOUR	CODE
-----------	--	-------	------------	------

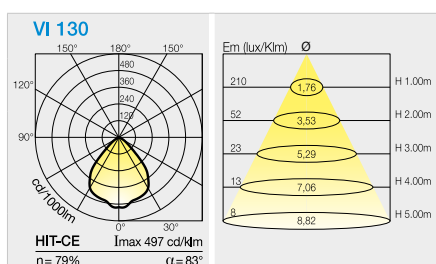
GU10	15W	SP (24°)	ww 3000K	0B335
------	-----	----------	-----------------	--------------

	15W	FL (35°)	ww 3000K	0B336
--	-----	----------	-----------------	--------------

LED MR16				
----------	--	--	--	--

GU5.3	5,5W 12V	FL (50°)	ww 3000K	0B330
-------	----------	----------	-----------------	--------------

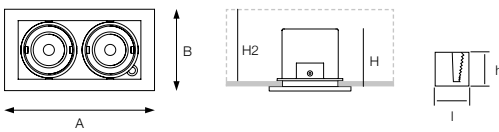
	7,5W 12V	FL (38°)	ww 3000K	0B331
--	----------	----------	-----------------	--------------



For correct operation of KR1 LED version, we recommend use of the lamps and the accessory ballasts indicated in this catalogue.



MODULO 2X



A	B	H	H2	I	h
334	185	150	220	320	170
334	185	186	240	320	170
334	185	84	140	320	170
238	144	102	210	222	128

LED DR111

HIT-CE

QR111

**QR-CB 51
LED MR16**

LED DR111	FINISHES	CODE
GU10 2x 15W	aluminium	1T3397
Does not require accessory driver. Not dimmable.		

HIT-CE	OPTIC	FINISHES	CODE
G12 2x max 70W	WFL	aluminium	1V7546



QR111	FINISHES	CODE
G53 2x max 100W	aluminium	1V7166



QR-CB 51	LED MR16	FINISHES	CODE
GU5.3	max 2x 50W / 5,5-7,5W	aluminium	1V7161
Remote power supply available as an accessory. MR16 LED lamp 5,5W not dimmable, MR16 LED lamp 7,5W dimmable.			

REMOTE POWER SUPPLY



	LxPxH	CODE
Magnetic power supply 230-240V 50 Hz	35W 214x79x79 mm	57094
	70W 214x79x79 mm	57097
	150W 214x79x79 mm	57098
Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
	70W 150x35x80 mm	1T0501
	150W 210x35x80 mm	1T0502
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-60W 94x20x31 mm	47567
	20-105W 118x21x35 mm	47568

REMOTE POWER SUPPLY FOR LED SOURCE

	LxPxH	CODE
Electronic power supply 230-240/12V-DC 50/60 Hz not dimmable	20W 146x19x55 mm	T1585
	70W 205x49x60 mm	T1586

KRIPTON PLUS



Parque Arauco - Santiago, Chile. Project: arch. Paulina Sir, arch. Cristian Fernández

THE ESSENCE OF LIGHT

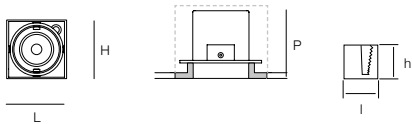
Discreet and versatile, KRIPTON PLUS adapts to every environment. Complete with its plaster frame, this unit is capable of becoming part of the architecture of any environment. The unit can use up to three halogen or metal halide adjustable light sources to illuminate any space, while concealing its technological components.

SINGLE MODULE

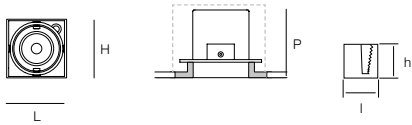
Adjustable recessed fixture for plasterboard false ceilings for metal halide and halogen lamps. The fixture consists of a metal body and optic support with a black finish and square gypsum frame, which is to be plastered onto the plasterboard ceiling. The optics can be adjusted +/- 43° on one axis and +/- 20° on the other. Power supply available as an accessory.



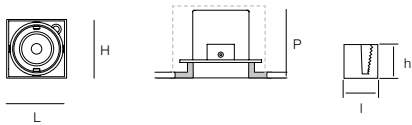
HIPAR30-CE CODE
 E27 max 70W [1V7250](#)



QR111 CODE
 G53 max 100W 12V [1V7247](#)



QR-CB 51 CODE
 GU5.3 max 50W 12V [1V7244](#)



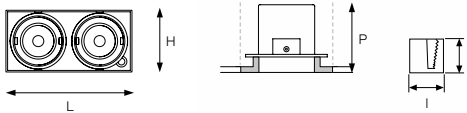
L	H	P	l	h	
154	154	220	285	285	HIPAR
154	154	140	285	285	QR111
110	110	160	245	245	QR-CB 51

REMOTE POWER SUPPLY		LxPxH	CODE
	Magnetic power supply 230-240V 50/60 Hz	35W 214x79x79 mm	57094
		70W 214x79x79 mm	57097
	Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
		70W 150x35x80 mm	1T0501
	Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-60W 94x20x31 mm	47567
		20-105W 118x21x35 mm	47568

KRIPTON PLUS

DOUBLE MODULE

Adjustable recessed fixture for plasterboard false ceilings for metal halide and halogen lamps. The fixture consists of a metal body and optic support with a black finish and a rectangular gypsum frame, which is to be plastered onto the plasterboard ceiling. The optics can be adjusted $\pm 43^\circ$ on the long side and $\pm 20^\circ$ on the short side. Power supply available as an accessory.

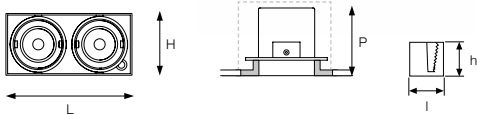


HIPAR30-CE

CODE

E27 2x max 70W

[1V7251](#)

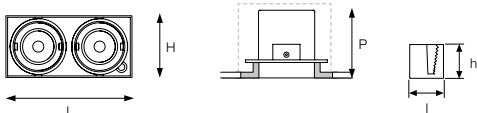


QR111

CODE

G53 2x max 100W

[1V7248](#)



QR-CB 51

CODE

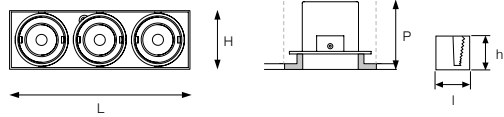
GU5.3 2x max 50W

[1V7245](#)

L	H	P	I	h	
296	154	220	435	285	HIPAR
296	154	140	435	285	QR111
198	110	160	340	245	QR-CB 51

TRIPLE MODULE

Adjustable recessed fixture for plasterboard false ceilings for metal halide and halogen lamps. The fixture consists of a metal body and optic support with a black finish and a rectangular gypsum frame, which is to be plastered onto the plasterboard ceiling. The optics can be adjusted +/- 43° on the long side and +/- 20° on the short side. Power supply available as an accessory.

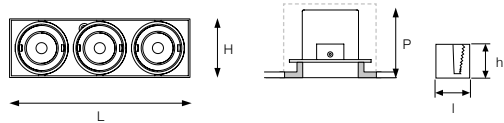
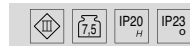


HIPAR30-CE + 2x **QR111**

CODE

E27 G53 1x max 70W + 2x max 100W

1V7252

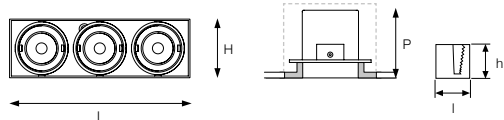


QR111

CODE

G53 3x max 100W

1V7249



QR-CB 51

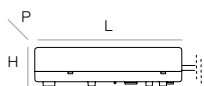
CODE

GU5.3 3x max 50W

1V7246

L	H	P	I	h	
436	154	220	575	285	HIPAR
436	154	140	575	285	QR111
293	110	160	435	245	QR-CB 51

REMOTE POWER SUPPLY



Magnetic power supply 230-240V 50/60 Hz

35W 214x79x79 mm **57094**

70W 214x79x79 mm **57097**

Electronic power supply 220-240V 50/60 Hz

35W 150x35x80 mm **1T0500**

70W 150x35x80 mm **1T0501**

Magnetic transformer 230V/12V
AC 50-60Hz

300W Ø 182 mm
H 90 mm **1V7163**

Electronic transformer 230-240/12V
AC 50/60 Hz dimmable TRIAC + IGBT

20-60W 94x20x31 mm **47567**

20-105W 118x21x35 mm **47568**

ARGON



Emilio Pucci Museum - Villa Granaiole, Castelfiorentino - Florence, Italy.


The fixtures white dress allows to hide it from view while illuminating any type of environment that requires flexibility, precision and performance. From the simple single module to the triple module, the Argon series can be equipped with any pre-focused light source, from small dichroic halogens to high-performance discharge lamps.




ARGON

Adjustable recessed fixture for plasterboard false ceilings for pre focused metal halide and halogen lamps. The fixture consists of an optic support and a square gypsum frame, which is to be plastered onto the plasterboard ceiling. The optics can be adjusted 355° horizontally and 35° vertically. The fixture is to be equipped with the bottom screen in translucent methacrylate. Power supply available as an accessory.




HIR111-CE 		POWER SUPPLY	WEIGHT	CODE
GX8.5	1x 35/70W	accessory	3,1 Kg	1V7413
	2x 35/70W	accessory	4,1 Kg	1V7416
	3x 35/70W	accessory	5,0 Kg	1V7419



LOWER TRANSLUCENT SCREEN		COLOUR	DIMENSIONS	CODE
		white	150x150 mm	1V7427
		white	300x150 mm	1V7435
		white	450x150 mm	1V7443

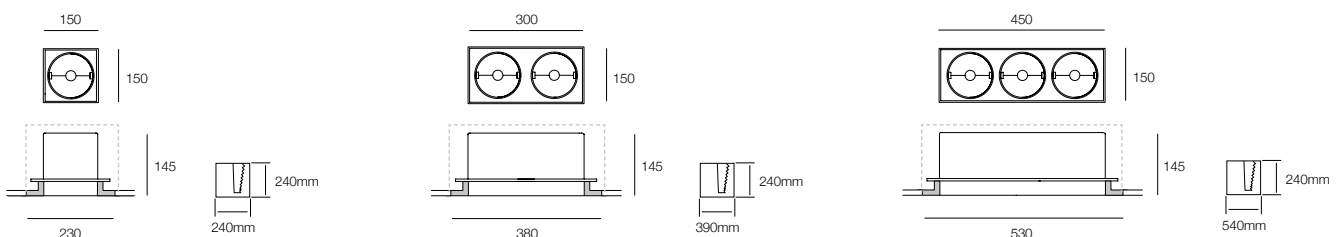


QR111 		POWER SUPPLY	WEIGHT	CODE
G53	1x max 50W 12V	accessory	3,1 Kg	1V7412
	2x max 50W 12V	accessory	4,1 Kg	1V7415
	3x max 50W 12V	accessory	5,0 Kg	1V7418



LOWER TRANSLUCENT SCREEN		COLOUR	DIMENSIONS	CODE
		white	150x150 mm	1V7427
		white	300x150 mm	1V7435
		white	450x150 mm	1V7443

FOR HIR111-CE AND QR111 LAMPS





QR-CB 51

	POWER SUPPLY	WEIGHT	CODE
GU5.3 1x max 50W 12V	accessory	1,9 Kg	1V7411
2x max 50W 12V	accessory	2,3 Kg	1V7414
3x max 50W 12V	accessory	2,8 Kg	1V7417

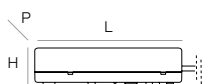



LOWER TRANSLUCENT SCREEN



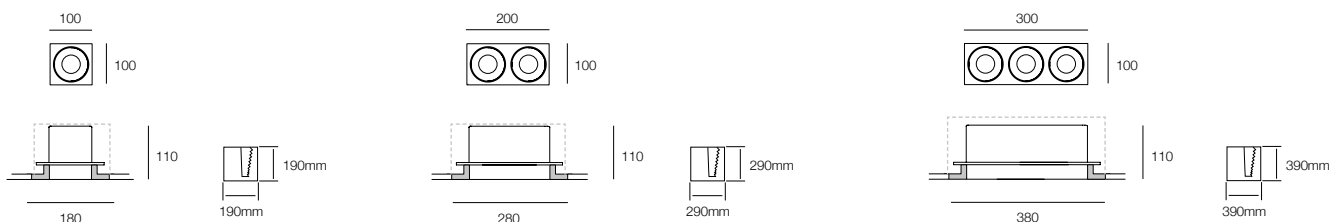
COLOUR	DIMENSIONS	CODE
white	100x100 mm	1V7423
white	200x100 mm	1V7431
white	300x100 mm	1V7439

REMOTE POWER SUPPLY



	LxPxH	CODE
Electronic power supply 220-240V 50/60 Hz	35W 150x35x80 mm	1T0500
	70W 150x35x80 mm	1T0501
 Magnetic transformer 230V/12V AC 50-60Hz	300W Ø 182 mm H 90 mm	1V7163
Electronic transformer 230-240/12V AC 50/60 Hz dimmable TRIAC + IGBT	20-60W 94x20x31 mm	47567
	20-105W 118x21x35 mm	47568

FOR QR-CB 51 LAMPS

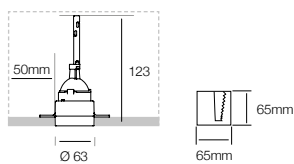


QUADRO



Helium Schöpflin Stiftung - Germany. Photographer: Günther Lehnert

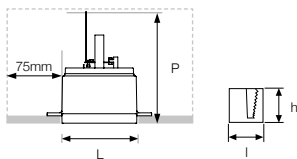
Square trimless recessed low luminance fixture for halogen and LED sources. Body and counter-ring in a single die-cast aluminium element painted white and fully recessable into the false ceiling. The corner version has a special shape to be installed in the corner between the ceiling and the wall. Can be adjusted $\pm 30^\circ$ vertically and 355° horizontally. Remote electronic transformer available as an accessory.



SMALL

QR-CB 51	LED MR16	VERSION	WEIGHT	CODE
GU5.3	max 50W 12V / 5,5W / 7,5W	fixed	0,1 Kg	1T1199

Remote power supply available as an accessory.
MR16 LED lamp 5,5W not dimmable, MR16 LED lamp 7,5W dimmable.



LARGE

QR111	LED DR111	VERSION	WEIGHT	CODE
G53	max 100W 12V / 15W	fixed	0,2 Kg	1T1200
	max 100W 12V / 15W	adjustable	0,2 Kg	1T1848

Remote power supply available as an accessory. DR111LED lamp not dimmable.

L	P	I	h	
127	218	128	128	Fixed
127	188	128	128	Adjustable
136	220	138	138	Adjustable corn.

CORNER LARGE

QR111	LED DR111	VERSION	WEIGHT	CODE
G53	max 100W 12V / 15W	adjustable	0,2 Kg	1T1895

Remote power supply available as an accessory. DR111LED lamp not dimmable.

LED LAMPS	LED DR111	OPTIC	LED COLOUR	CODE
G53	15W	SP (24°)	WW 3000K	0B333
	15W	FL (35°)	WW 3000K	0B334
LED MR16				
GU5.3	5,5W	FL (50°)	WW 3000K	0B330
	7,5W	FL (38°)	WW 3000K	0B331

For correct operation of QUADRO LED version, we recommend use of the lamps and the accessory ballasts indicated in this catalogue.

REMOTE POWER SUPPLY		LxPxH	CODE
	Electronic transformer 230-240V/12V AC 50-60Hz dimmable TRIAC + IGBT	20-60W 94x20x31 mm	47567
		20-105W 118x21x35 mm	47568

REMOTE POWER SUPPLY FOR LED SOURCE		LxPxH	CODE
	Electronic power supply 230-240/12V-DC 50/60 Hz not dimmable	20W 146x19x55 mm	T1585
		70W 205x49x60 mm	T1586

PROJECTORS

LEDÓ



PROFESSIONAL PROJECTOR FOR LED



A LINE ENHANCED
BY CONSTANT DEVELOPMENT

The LEDÓ projector stands out for its natural attitude for innovation. The fixture is minimalist, compact and light, with integral drivers built into the fixture body.

PROJECT PROFESSION

LEDÒ projector offers different versions with differentiated power ratings and a highly distinctive style. Whether the environment is contained and intimate or spacious and complex, LEDÒ provides all the power and efficacy of a comprehensive lighting range that is ready to meet any and every design requirement.





Paris Plaza Norte -Lima, Perú

LONG-LASTING PERFORMANCE GUARANTEED

With its latest generation LED sources LEDÒ offers renewed style and efficacy of up to 80lm/W. Two power ratings are available (25W and 31W) and four different beam openings: Spot, Flood, Medium Wide Flood and Wide Flood. Thanks to "passive" heat management, LEDÒ succeeds in keeping the LED's junction point temperature well below the data on the manufacturer's ratings plate, thereby guaranteeing excellent performances over the entire life cycle of the product.



MULTI EFFECT ACCESSORIES

Thanks to the special optic system, LEDO¹ is able not only to equip 4 different optics for the same number of beam widths, but a series of optic accessories as well. A screw tightening mechanism locks the optic onto a special "cup" which hides and protects the profile. This is where up to four different accessories contemporarily can be added for achieving highly professional final effects.

ZOOM AND CUT OFF TUBE FOR HIGHLY PROFESSIONAL RESULTS

LEDO¹ can be equipped with two unique optic accessories. The cut-off tube considerably reduces the fall-off component, focusing the emission. The zoom is designed with a sophisticated system of lenses capable of defining a precise beam with adjustable width around the object.

LEDO' TUNABLE



WIRELESS CONTROLLED COLOR TONES

LEDO' Tunable offers a specifically designed array of carefully selected LED sources, capable of producing a tuneable white light with very rich spectral emission, coming very close to the curve of the black body of the CIE diagram, where a huge number of different tones of white can be designed in their different compositions and final colour temperatures. Wireless technology is a perfect retrofit to Eurotrack standards which does not require additional wiring or tracks; it is possible to vary the blends of the emitted light of LED sources within the LEDO' Tunable. The result will always be a light with a rich spectrum along all its wavelengths, calibrated specifically for the artwork to be illuminated, and resulting in a surprisingly realistic effect.





Exhibition "El Greco" Santa Cruz Museum – Toledo, Spain.

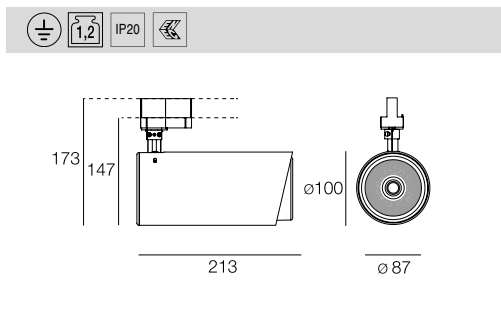
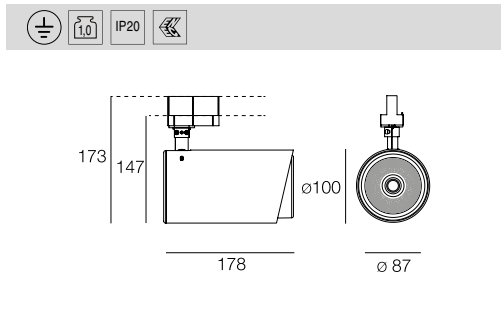


Besides the perceptible level, LEDO' TUNABLE technology also brings significant advantages in terms of preservation thanks to the exact control of the light emitted with no IR rays or dangerous UV rays and drastically reducing maintenance on the fixtures: no relamping is needed and the luminous flux is equal to 70% after 50.000 operation hours.

LEDÓ

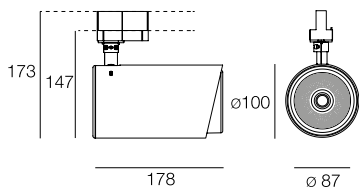
LED

Professional adjustable LED projector. Body in extruded aluminium available in three finishes: titanium grey, plaster white or deep black. Front interchangeable optic camera in black polycarbonate, back ring with radial grid for heat dissipation. LEDs with warm or neutral white emission colour temperatures. Optic System made up of metallized polycarbonate precision optics specifically developed for LED sources, with convex facets and high reflectance with a "Scratch Proof Formula" treatment or composed of hybrid optic (anodized aluminium reflector and lens system in optical glass or PMMA). The body can be adjusted from 0° to 90° on a vertical plane and by 355° on a horizontal plane with double blocking equipped with a friction system. Possibility to assemble a wide range of accessories and optic screens. Electronic driver integrated in the body of the fixture.



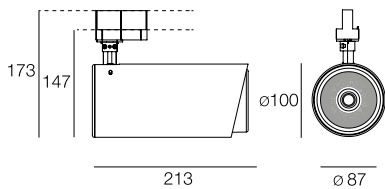
IBRID OPTIC

LED	OPTIC	LED COLOUR	FINISH	△	CODE
25W	SP	WW 3000K Ra97	titanium grey	TS 928	1T4878
25W	FL	WW 3000K Ra97	titanium grey	TS 929	1T4880
25W	SP	NW 4000K Ra97	titanium grey	TS 928	1T4879
25W	FL	NW 4000K Ra97	titanium grey	TS 929	1T4881
25W	SP	WW 3000K Ra97	plaster white	TS 928	1T4882
25W	FL	WW 3000K Ra97	plaster white	TS 929	1T4884
25W	SP	NW 4000K Ra97	plaster white	TS 928	1T4883
25W	FL	NW 4000K Ra97	plaster white	TS 929	1T4885
25W	SP	WW 3000K Ra97	deep black	TS 928	1T4886
25W	FL	WW 3000K Ra97	deep black	TS 929	1T4888
25W	SP	NW 4000K Ra97	deep black	TS 928	1T4887
25W	FL	NW 4000K Ra97	deep black	TS 929	1T4889
31W	SP	WW 3000K Ra97	titanium grey	TS 922	1T4866
31W	FL	WW 3000K Ra97	titanium grey	TS 924	1T4868
31W	SP	NW 4000K Ra97	titanium grey	TS 922	1T4867
31W	FL	NW 4000K Ra97	titanium grey	TS 924	1T4869
31W	SP	WW 3000K Ra97	plaster white	TS 922	1T4870
31W	FL	WW 3000K Ra97	plaster white	TS 924	1T4872
31W	SP	NW 4000K Ra97	plaster white	TS 922	1T4871
31W	FL	NW 4000K Ra97	plaster white	TS 924	1T4873
31W	SP	WW 3000K Ra97	deep black	TS 922	1T4874
31W	FL	WW 3000K Ra97	deep black	TS 924	1T4876
31W	SP	NW 4000K Ra97	deep black	TS 922	1T4875
31W	FL	NW 4000K Ra97	deep black	TS 924	1T4877



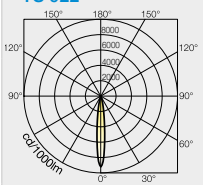
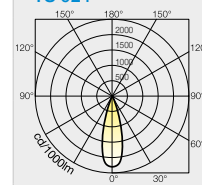
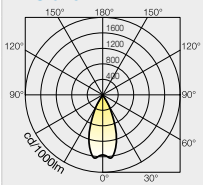
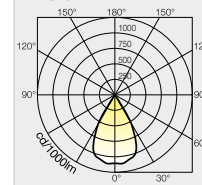
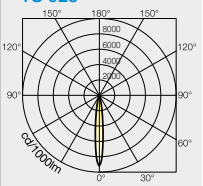
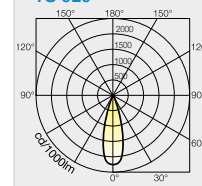
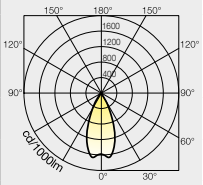
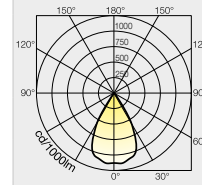
FACETTED OPTIC









LED	OPTIC	LED COLOUR	FINISH	\triangle	CODE
25W	MWFL	WW 3000K Ra97	titanium grey	TS 930	1T3483
25W	WFL	WW 3000K Ra97	titanium grey	TS 931	1T3485
25W	MWFL	WW 3000K Ra97	plaster white	TS 930	1T3491
25W	WFL	WW 3000K Ra97	plaster white	TS 931	1T3493
25W	MWFL	WW 3000K Ra97	noir profond	TS 930	1T3499
25W	WFL	WW 3000K Ra97	noir profond	TS 931	1T3501
25W	MWFL	NW 4000K Ra97	titanium grey	TS 930	1T3484
25W	WFL	NW 4000K Ra97	titanium grey	TS 931	1T3486
25W	MWFL	NW 4000K Ra97	plaster white	TS 930	1T3492
25W	WFL	NW 4000K Ra97	plaster white	TS 931	1T3494
25W	MWFL	NW 4000K Ra97	deep black	TS 930	1T3500
25W	WFL	NW 4000K Ra97	deep black	TS 931	1T3502



31W	MWFL	WW 3000K Ra97	titanium grey	TS 926	1T3459
31W	WFL	WW 3000K Ra97	titanium grey	TS 927	1T3461
31W	MWFL	WW 3000K Ra97	plaster white	TS 926	1T3467
31W	WFL	WW 3000K Ra97	plaster white	TS 927	1T3469
31W	MWFL	WW 3000K Ra97	deep black	TS 926	1T3475
31W	WFL	WW 3000K Ra97	deep black	TS 927	1T3477
31W	MWFL	NW 4000K Ra97	titanium grey	TS 926	1T3460
31W	WFL	NW 4000K Ra97	titanium grey	TS 927	1T3462
31W	MWFL	NW 4000K Ra97	plaster white	TS 926	1T3468
31W	WFL	NW 4000K Ra97	plaster white	TS 927	1T3470
31W	MWFL	NW 4000K Ra97	deep black	TS 926	1T3476
31W	WFL	NW 4000K Ra97	deep black	TS 927	1T3478

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

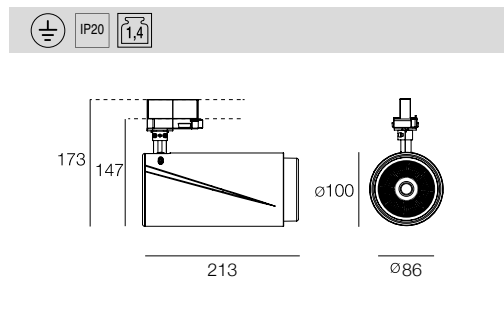
<p>TS 922</p>  <p>LED I_{max} 9201 cd/Klm $\alpha=13^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">35W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2618 lm</td> <td>2706 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1698 lm</td> <td>1755 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>49 lm/W</td> <td>50 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>24087 cd</td> <td>24897 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		35W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2618 lm	2706 lm		FIXTURE FLUX	1698 lm	1755 lm		EFFICACY	49 lm/W	50 lm/W		IMAX	24087 cd	24897 cd		<p>TS 924</p>  <p>LED I_{max} 2230 cd/Klm $\alpha=33^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">35W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2618 lm</td> <td>2706 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1598 lm</td> <td>1652 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>46 lm/W</td> <td>47 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>5836 cd</td> <td>6032 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		35W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2618 lm	2706 lm		FIXTURE FLUX	1598 lm	1652 lm		EFFICACY	46 lm/W	47 lm/W		IMAX	5836 cd	6032 cd	
FIXTURE POWER		35W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2618 lm	2706 lm																																																	
FIXTURE FLUX	1698 lm	1755 lm																																																	
EFFICACY	49 lm/W	50 lm/W																																																	
IMAX	24087 cd	24897 cd																																																	
FIXTURE POWER		35W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2618 lm	2706 lm																																																	
FIXTURE FLUX	1598 lm	1652 lm																																																	
EFFICACY	46 lm/W	47 lm/W																																																	
IMAX	5836 cd	6032 cd																																																	
<p>TS 926</p>  <p>LED I_{max} 1655 cd/Klm $\alpha=45^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">35W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2839 lm</td> <td>2933 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2467 lm</td> <td>2549 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>70 lm/W</td> <td>73 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>4697 cd</td> <td>4853 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		35W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2839 lm	2933 lm		FIXTURE FLUX	2467 lm	2549 lm		EFFICACY	70 lm/W	73 lm/W		IMAX	4697 cd	4853 cd		<p>TS 927</p>  <p>LED I_{max} 1142 cd/Klm $\alpha=59^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">35W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2839 lm</td> <td>2933 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2502 lm</td> <td>2585 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>71 lm/W</td> <td>74 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>3242 cd</td> <td>3349 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		35W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2839 lm	2933 lm		FIXTURE FLUX	2502 lm	2585 lm		EFFICACY	71 lm/W	74 lm/W		IMAX	3242 cd	3349 cd	
FIXTURE POWER		35W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2839 lm	2933 lm																																																	
FIXTURE FLUX	2467 lm	2549 lm																																																	
EFFICACY	70 lm/W	73 lm/W																																																	
IMAX	4697 cd	4853 cd																																																	
FIXTURE POWER		35W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2839 lm	2933 lm																																																	
FIXTURE FLUX	2502 lm	2585 lm																																																	
EFFICACY	71 lm/W	74 lm/W																																																	
IMAX	3242 cd	3349 cd																																																	
<p>TS 928</p>  <p>LED I_{max} 9200 cd/Klm $\alpha=13^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">28W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2251 lm</td> <td>2326 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1460 lm</td> <td>1508 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>52 lm/W</td> <td>54 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>20709 cd</td> <td>21399 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		28W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2251 lm	2326 lm		FIXTURE FLUX	1460 lm	1508 lm		EFFICACY	52 lm/W	54 lm/W		IMAX	20709 cd	21399 cd		<p>TS 929</p>  <p>LED I_{max} 2230 cd/Klm $\alpha=33^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">28W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2251 lm</td> <td>2326 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1374 lm</td> <td>1420 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>49 lm/W</td> <td>51 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>5018 cd</td> <td>5185 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		28W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2251 lm	2326 lm		FIXTURE FLUX	1374 lm	1420 lm		EFFICACY	49 lm/W	51 lm/W		IMAX	5018 cd	5185 cd	
FIXTURE POWER		28W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2251 lm	2326 lm																																																	
FIXTURE FLUX	1460 lm	1508 lm																																																	
EFFICACY	52 lm/W	54 lm/W																																																	
IMAX	20709 cd	21399 cd																																																	
FIXTURE POWER		28W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2251 lm	2326 lm																																																	
FIXTURE FLUX	1374 lm	1420 lm																																																	
EFFICACY	49 lm/W	51 lm/W																																																	
IMAX	5018 cd	5185 cd																																																	
<p>TS 930</p>  <p>LED I_{max} 1655 cd/Klm $\alpha=45^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">28W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2422 lm</td> <td>2522 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2105 lm</td> <td>2192 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>75 lm/W</td> <td>78 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>4007 cd</td> <td>4173 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		28W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2422 lm	2522 lm		FIXTURE FLUX	2105 lm	2192 lm		EFFICACY	75 lm/W	78 lm/W		IMAX	4007 cd	4173 cd		<p>TS 931</p>  <p>LED I_{max} 1142 cd/Klm $\alpha=59^\circ$</p>	<table border="1"> <thead> <tr> <th colspan="2">FIXTURE POWER</th> <th colspan="2">28W</th> </tr> </thead> <tbody> <tr> <td>KELVIN</td> <td>3000K RA97</td> <td>4000K RA97</td> <td></td> </tr> <tr> <td>LED FLUX</td> <td>2422 lm</td> <td>2522 lm</td> <td></td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2135 lm</td> <td>2223 lm</td> <td></td> </tr> <tr> <td>EFFICACY</td> <td>76 lm/W</td> <td>79 lm/W</td> <td></td> </tr> <tr> <td>IMAX</td> <td>2766 cd</td> <td>2880 cd</td> <td></td> </tr> </tbody> </table>	FIXTURE POWER		28W		KELVIN	3000K RA97	4000K RA97		LED FLUX	2422 lm	2522 lm		FIXTURE FLUX	2135 lm	2223 lm		EFFICACY	76 lm/W	79 lm/W		IMAX	2766 cd	2880 cd	
FIXTURE POWER		28W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2422 lm	2522 lm																																																	
FIXTURE FLUX	2105 lm	2192 lm																																																	
EFFICACY	75 lm/W	78 lm/W																																																	
IMAX	4007 cd	4173 cd																																																	
FIXTURE POWER		28W																																																	
KELVIN	3000K RA97	4000K RA97																																																	
LED FLUX	2422 lm	2522 lm																																																	
FIXTURE FLUX	2135 lm	2223 lm																																																	
EFFICACY	76 lm/W	79 lm/W																																																	
IMAX	2766 cd	2880 cd																																																	

OPTICAL ACCESSORIES			
	Chromatic filters Interference flat glass filters.	Red 1T3424 Green 1T3425 Blue 1T3426 Yellow 1T3427 Magenta 1T3428	
		Tone filters Interference flat glass filters to vary the colour temperature of light.	Gold 1T3431 Cold 1T3429 Peach 1T3430
		Blade light filter Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.	1T3141
		Diffusive filter Microprismatic refractive flat glass filter. This softens the luminous effect.	1T3140
		Anti-glare grid Black lacquered metal honeycomb grid.	1T3423
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142	
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect. Not compatible with hybrid optic	1T3432	
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143	
	Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.	Aluminium 1T2219	
		White 1T2221	
		Black 1T2220	
	Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	Aluminium 1T2224+1T2219	
		White 1T2223+1T2221	
		Black 1T2222+1T2220	

SLASH

LED

Professional adjustable LED projector. Die-cast aluminium body available in three finishes: grey, plaster white or deep black. Front interchangeable optic camera in black polycarbonate, back ring with radial grid for heat dissipation. LEDs with warm or neutral white emission colour temperatures. Precision optics in metallized polycarbonate with spot, flood, medium-wide flood or wide flood beam openings. The body can be adjusted from 0° to 90° on a vertical plane and by 355° on a horizontal plane with double blocking equipped with a friction system. Possibility to assemble a wide range of accessories and optic screens. Electronic driver integrated in the body of the fixture.

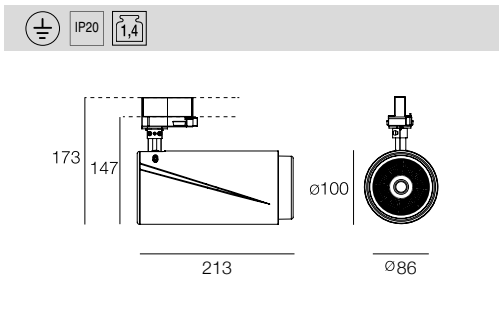


Ra 84 3000K

LED	FINISH	OPTIC	POWER SUPPLY	△	CODE
33W	plaster white	SP	electronic	TS 933	1T5247EL
33W	plaster white	SP	DALI	TS 933	1T5247DA
33W	plaster white	FL	electronic	TS 934	1T5251EL
33W	plaster white	FL	DALI	TS 934	1T5251DA
33W	plaster white	MWFL	electronic	TS 935	1T5255EL
33W	plaster white	MWFL	DALI	TS 935	1T5255DA
33W	plaster white	WFL	electronic	TS 936	1T5259EL
33W	plaster white	WFL	DALI	TS 936	1T5259DA
33W	deep black	SP	electronic	TS 933	1T5263EL
33W	deep black	SP	DALI	TS 933	1T5263DA
33W	deep black	FL	electronic	TS 934	1T5267EL
33W	deep black	FL	DALI	TS 934	1T5267DA
33W	deep black	MWFL	electronic	TS 935	1T5271EL
33W	deep black	MWFL	DALI	TS 935	1T5271DA
33W	deep black	WFL	electronic	TS 936	1T5275EL
33W	deep black	WFL	DALI	TS 936	1T5275DA
33W	grey	SP	electronic	TS 933	1T5279EL
33W	grey	SP	DALI	TS 933	1T5279DA
33W	grey	FL	electronic	TS 934	1T5283EL
33W	grey	FL	DALI	TS 934	1T5283DA
33W	grey	MWFL	electronic	TS 935	1T5287EL
33W	grey	MWFL	DALI	TS 935	1T5287DA
33W	grey	WFL	electronic	TS 936	1T5291EL
33W	grey	WFL	DALI	TS 936	1T5291DA

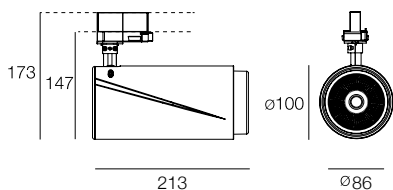


Ra 84 4000K



LED	FINISH	OPTIC	POWER SUPPLY	△	CODE
33W	plaster white	SP	electronic	TS 933	1T5249EL
33W	plaster white	SP	DALI	TS 933	1T5249DA
33W	plaster white	FL	electronic	TS 934	1T5253EL
33W	plaster white	FL	DALI	TS 934	1T5253DA
33W	plaster white	MWFL	electronic	TS 935	1T5257EL
33W	plaster white	MWFL	DALI	TS 935	1T5257DA
33W	plaster white	WFL	electronic	TS 936	1T5261EL
33W	plaster white	WFL	DALI	TS 936	1T5261DA
33W	deep black	SP	electronic	TS 933	1T5265EL
33W	deep black	SP	DALI	TS 933	1T5265DA
33W	deep black	FL	electronic	TS 934	1T5269EL
33W	deep black	FL	DALI	TS 934	1T5269DA
33W	deep black	MWFL	electronic	TS 935	1T5273EL
33W	deep black	MWFL	DALI	TS 935	1T5273DA
33W	deep black	WFL	electronic	TS 936	1T5277EL
33W	deep black	WFL	DALI	TS 936	1T5277DA
33W	grey	SP	electronic	TS 933	1T5281EL
33W	grey	SP	DALI	TS 933	1T5281DA
33W	grey	FL	electronic	TS 934	1T5285EL
33W	grey	FL	DALI	TS 934	1T5285DA
33W	grey	MWFL	electronic	TS 935	1T5289EL
33W	grey	MWFL	DALI	TS 935	1T5289DA
33W	grey	WFL	electronic	TS 936	1T5293EL
33W	grey	WFL	DALI	TS 936	1T5293DA

SLASH

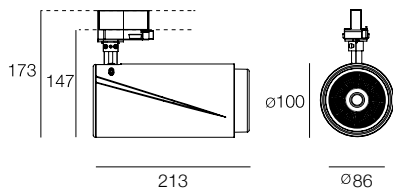


Ra 97 3000K

LED	FINISH	OPTIC	POWER SUPPLY	△	CODE
33W	plaster white	SP	electronic	TS 933	1T5248EL
33W	plaster white	SP	DALI	TS 933	1T5248DA
33W	plaster white	FL	electronic	TS 934	1T5252EL
33W	plaster white	FL	DALI	TS 934	1T5252DA
33W	plaster white	MWFL	electronic	TS 935	1T5256EL
33W	plaster white	MWFL	DALI	TS 935	1T5256DA
33W	plaster white	WFL	electronic	TS 936	1T5260EL
33W	plaster white	WFL	DALI	TS 936	1T5260DA
33W	deep black	SP	electronic	TS 933	1T5264EL
33W	deep black	SP	DALI	TS 933	1T5264DA
33W	deep black	FL	electronic	TS 934	1T5268EL
33W	deep black	FL	DALI	TS 934	1T5268DA
33W	deep black	MWFL	electronic	TS 935	1T5272EL
33W	deep black	MWFL	DALI	TS 935	1T5272DA
33W	deep black	WFL	electronic	TS 936	1T5276EL
33W	deep black	WFL	DALI	TS 936	1T5276DA
33W	grey	SP	electronic	TS 933	1T5280EL
33W	grey	SP	DALI	TS 933	1T5280DA
33W	grey	FL	electronic	TS 934	1T5284EL
33W	grey	FL	DALI	TS 934	1T5284DA
33W	grey	MWFL	electronic	TS 935	1T5288EL
33W	grey	MWFL	DALI	TS 935	1T5288DA
33W	grey	WFL	electronic	TS 936	1T5292EL
33W	grey	WFL	DALI	TS 936	1T5292DA



Ra 97 4000K



LED	FINISH	OPTIC	POWER SUPPLY	△	CODE
33W	plaster white	SP	electronic	TS 933	1T5250EL
33W	plaster white	SP	DALI	TS 933	1T5250DA
33W	plaster white	FL	electronic	TS 934	1T5254EL
33W	plaster white	FL	DALI	TS 934	1T5254DA
33W	plaster white	MWFL	electronic	TS 935	1T5258EL
33W	plaster white	MWFL	DALI	TS 935	1T5258DA
33W	plaster white	WFL	electronic	TS 936	1T5262EL
33W	plaster white	WFL	DALI	TS 936	1T5262DA
33W	deep black	SP	electronic	TS 933	1T5266EL
33W	deep black	SP	DALI	TS 933	1T5266DA
33W	deep black	FL	electronic	TS 934	1T5270EL
33W	deep black	FL	DALI	TS 934	1T5270DA
33W	deep black	MWFL	electronic	TS 935	1T5274EL
33W	deep black	MWFL	DALI	TS 935	1T5274DA
33W	deep black	WFL	electronic	TS 936	1T5278EL
33W	deep black	WFL	DALI	TS 936	1T5278DA
33W	grey	SP	electronic	TS 933	1T5282EL
33W	grey	SP	DALI	TS 933	1T5282DA
33W	grey	FL	electronic	TS 934	1T5286EL
33W	grey	FL	DALI	TS 934	1T5286DA
33W	grey	MWFL	electronic	TS 935	1T5290EL
33W	grey	MWFL	DALI	TS 935	1T5290DA
33W	grey	WFL	electronic	TS 936	1T5294EL
33W	grey	WFL	DALI	TS 936	1T5294DA

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com











TS 933	37W				
	3000K RA84	4000K RA84	3000K RA97	4000K RA97	
<p>LED I_{max} 7849 cd/Klm $\alpha=14^\circ$</p>	KELVIN	4065 lm	4200 lm	3050 lm	3151 lm
	LED FLUX	3457 lm	3572 lm	2594 lm	2680 lm
	EFFICACY	93 lm/W	96 lm/W	70 lm/W	72 lm/W
	IMAX	31905 cd	32965 cd	23939 cd	24731 cd
	FIXTURE FLUX	3457 lm	3572 lm	2594 lm	2680 lm

TS 934	37W				
	3000K RA84	4000K RA84	3000K RA97	4000K RA97	
<p>LED I_{max} 3085 cd/Klm $\alpha=28^\circ$</p>	KELVIN	4065 lm	4200 lm	3050 lm	3151 lm
	LED FLUX	3441 lm	3555 lm	2582 lm	2667 lm
	EFFICACY	93 lm/W	96 lm/W	70 lm/W	72 lm/W
	IMAX	12542 cd	12959 cd	9410 cd	9722 cd
	FIXTURE FLUX	3441 lm	3555 lm	2582 lm	2667 lm

TS 935	37W				
	3000K RA84	4000K RA84	3000K RA97	4000K RA97	
<p>LED I_{max} 1654 cd/Klm $\alpha=45^\circ$</p>	KELVIN	4065 lm	4200 lm	3050 lm	3151 lm
	LED FLUX	3532 lm	3650 lm	2650 lm	2738 lm
	EFFICACY	95 lm/W	99 lm/W	72 lm/W	74 lm/W
	IMAX	6725 cd	6948 cd	5046 cd	5213 cd
	FIXTURE FLUX	3532 lm	3650 lm	2650 lm	2738 lm

TS 936	37W				
	3000K RA84	4000K RA84	3000K RA97	4000K RA97	
<p>LED I_{max} 1142 cd/Klm $\alpha=59^\circ$</p>	KELVIN	4065 lm	4200 lm	3050 lm	3151 lm
	LED FLUX	3583 lm	3702 lm	2688 lm	2777 lm
	EFFICACY	97 lm/W	100 lm/W	73 lm/W	75 lm/W
	IMAX	4642 cd	4796 cd	3483 cd	3598 cd
	FIXTURE FLUX	3583 lm	3702 lm	2688 lm	2777 lm

SLASH ACCESSORIES

OPTICAL ACCESSORIES		
	Chromatic filters Interference flat glass filters.	Red 1T3424
		Green 1T3425
		Blue 1T3426
		Yellow 1T3427
		Magenta 1T3428
	Tone filters Interference flat glass filters to vary the colour temperature of light.	Gold 1T3431
		Cold 1T3429
		Peach 1T3430
	Blade light filter Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.	1T3141
	Diffusive filter Microprismatic refractive flat glass filter. This softens the luminous effect.	1T3140
	Anti-glare grid Black lacquered metal honeycomb grid.	1T3423
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143
	Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.	Aluminium 1T2219
		White 1T2221
		Black 1T2220
	Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	Aluminium 1T2224+1T2219
		White 1T2223+1T2221
		Black 1T2222+1T2220

STORE

PROFESSIONAL PROJECTOR FOR LED SOURCES



THE RANGE: STORE & STORE MINI

A good example on how "creation by subtracting" may work, STORE PROJECTOR offers a complete solution for lighting projects in the RETAIL market, responding with efficacy and intelligence to specific needs and applications. Available in two different dimensions, its "compact and essential" design may be integrated in any architectural environment.

INSTALLATION

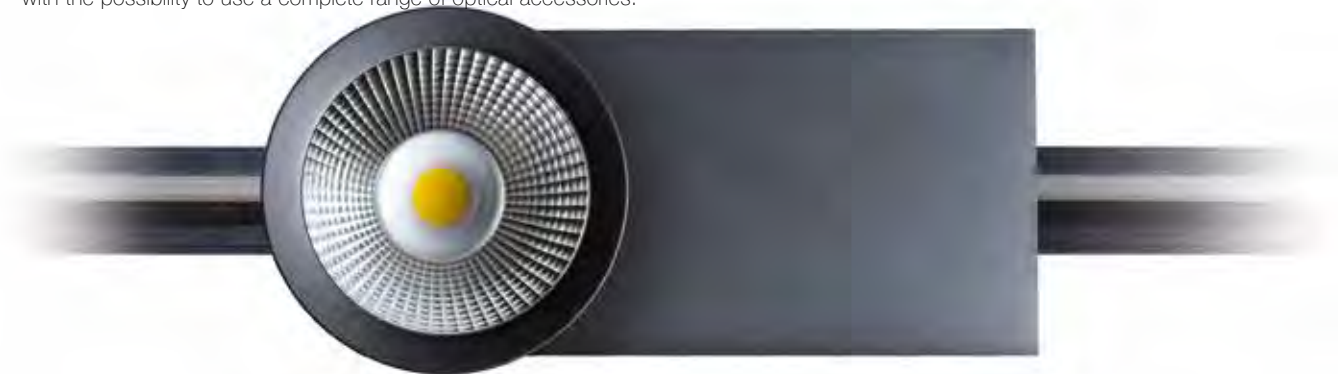
The very user-friendly installation makes of STORE an essential instrument where reduced installation and maintenance costs are required. Very interesting characteristics for the compact version are: the very reduced size of the head and the innovative slim driver, which can be fully integrated into the new Eurostandard Plus track or any eurostandard track system.





OPTICS

As an ideal instrument for RETAIL lighting, STORE projector is extremely versatile being available in a number of models, having different flux and optic characteristics, where to choose. Methacrylate lenses or precision optics in specular anodized aluminium with convex faceting, with the possibility to use a complete range of optical accessories.



PROFESSIONAL LIGHT IN A COORDINATED DESIGN

STORE is available also in the recessed version, with the same powers and optics of the projector, to ensure a coherent and complete response to different project needs.



STORE

Professional projector for LED sources. Optical chamber and power box in painted die-cast aluminium. Front ring for accessories in painted aluminium. Available in black and white. Optical chamber adjustable 0° - 90° vertically and 355° horizontally. High emission LED lamps sources with a colour temperature of 3000K or 4000K and a CRI of Ra 84 or Ra 97. Convex faceted precision optics in high specularly metallised polycarbonate. "Scratch Proof Formula" treatment. Available in Spot, Flood, Medium Wide Flood or Wide Flood versions. A full range of optical accessories available. Electrified track mounting. Integrated power supply available in the basic electronic or DALI version.



TS 947		FIXTURE POWER 23W			
<p>LED I_{max} 7844 cd/Klm α=14°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2282 lm	2357 lm	1712 lm	1769 lm
	EFFICACY	99 lm/W	102 lm/W	74 lm/W	77 lm/W
	IMAX	21061 cd	21751 cd	15798 cd	16323 cd

TS 948		FIXTURE POWER 23W			
<p>LED I_{max} 3087 cd/Klm α=27°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2274 lm	2349 lm	1706 lm	1762 lm
	EFFICACY	99 lm/W	102 lm/W	74 lm/W	77 lm/W
	IMAX	8289 cd	8561 cd	6218 cd	6424 cd

TS 949		FIXTURE POWER 23W			
<p>LED I_{max} 1655 cd/Klm α=45°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2333 lm	2409 lm	1750 lm	1808 lm
	EFFICACY	101 lm/W	105 lm/W	76 lm/W	79 lm/W
	IMAX	4443 cd	4588 cd	3332 cd	3443 cd

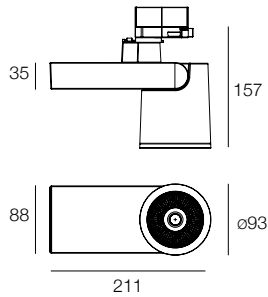
TS 950		FIXTURE POWER 23W			
<p>LED I_{max} 1141 cd/Klm α=59°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	2685 lm	2773 lm	2014 lm	2081 lm
	FIXTURE FLUX	2365 lm	2442 lm	1774 lm	1833 lm
	EFFICACY	103 lm/W	106 lm/W	77 lm/W	80 lm/W
	IMAX	3065 cd	3165 cd	2299 cd	2375 cd

TS 951		FIXTURE POWER 37W			
<p>LED I_{max} 7845 cd/Klm α=14°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3326 lm	3436 lm	2495 lm	2577 lm
	EFFICACY	90 lm/W	93 lm/W	67 lm/W	70 lm/W
	IMAX	30696 cd	31708 cd	23032 cd	23785 cd

TS 952		FIXTURE POWER 37W			
<p>LED I_{max} 3087 cd/Klm α=27°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3314 lm	3423 lm	2487 lm	2568 lm
	EFFICACY	90 lm/W	92 lm/W	67 lm/W	69 lm/W
	IMAX	12080 cd	12478 cd	9064 cd	9360 cd

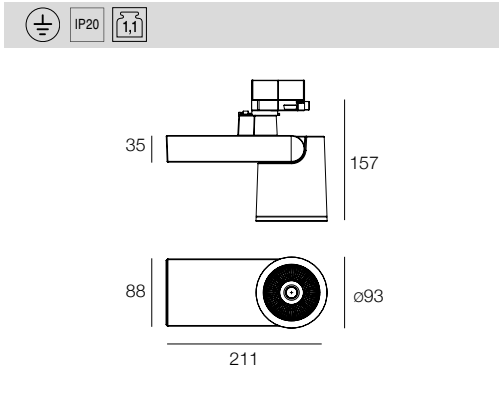
TS 953		FIXTURE POWER 37W			
<p>LED I_{max} 1654 cd/Klm α=45°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3400 lm	3512 lm	2551 lm	2634 lm
	EFFICACY	92 lm/W	95 lm/W	69 lm/W	71 lm/W
	IMAX	6474 cd	6688 cd	4851 cd	5017 cd

TS 954		FIXTURE POWER 37W			
<p>LED I_{max} 1141 cd/Klm α=59°</p>	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	3913 lm	4042 lm	2936 lm	3032 lm
	FIXTURE FLUX	3447 lm	3561 lm	2586 lm	2671 lm
	EFFICACY	93 lm/W	96 lm/W	70 lm/W	72 lm/W
	IMAX	4467 cd	4614 cd	3351 cd	3461 cd



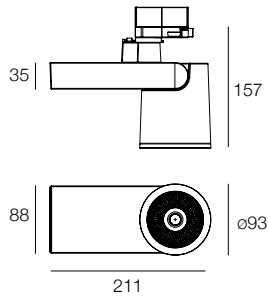
Ra 84 ELECTRONIC POWER SUPPLY

LED 	FINISH	OPTIC	LED COLOUR		CODE
19W	deep black	SP	 3000K	TS 947	1T5034EL
19W	deep black	SP	 4000K	TS 947	1T5036EL
19W	deep black	FL	 3000K	TS 948	1T5038EL
19W	deep black	FL	 4000K	TS 948	1T5040EL
19W	deep black	MWFL	 3000K	TS 949	1T5042EL
19W	deep black	MWFL	 4000K	TS 949	1T5044EL
19W	deep black	WFL	 3000K	TS 950	1T5046EL
19W	deep black	WFL	 4000K	TS 950	1T5048EL
19W	plaster white	SP	 3000K	TS 947	1T5050EL
19W	plaster white	SP	 4000K	TS 947	1T5052EL
19W	plaster white	FL	 3000K	TS 948	1T5054EL
19W	plaster white	FL	 4000K	TS 948	1T5056EL
19W	plaster white	MWFL	 3000K	TS 949	1T5058EL
19W	plaster white	MWFL	 4000K	TS 949	1T5060EL
19W	plaster white	WFL	 3000K	TS 950	1T5062EL
19W	plaster white	WFL	 4000K	TS 950	1T5064EL
33W	deep black	SP	 3000K	TS 951	1T5066EL
33W	deep black	SP	 4000K	TS 951	1T5068EL
33W	deep black	FL	 3000K	TS 952	1T5070EL
33W	deep black	FL	 4000K	TS 952	1T5072EL
33W	deep black	MWFL	 3000K	TS 953	1T5074EL
33W	deep black	MWFL	 4000K	TS 953	1T5076EL
33W	deep black	WFL	 3000K	TS 954	1T5078EL
33W	deep black	WFL	 4000K	TS 954	1T5080EL
33W	plaster white	SP	 3000K	TS 951	1T5082EL
33W	plaster white	SP	 4000K	TS 951	1T5084EL
33W	plaster white	FL	 3000K	TS 952	1T5086EL
33W	plaster white	FL	 4000K	TS 952	1T5088EL
33W	plaster white	MWFL	 3000K	TS 953	1T5090EL
33W	plaster white	MWFL	 4000K	TS 953	1T5092EL
33W	plaster white	WFL	 3000K	TS 954	1T5094EL
33W	plaster white	WFL	 4000K	TS 954	1T5096EL






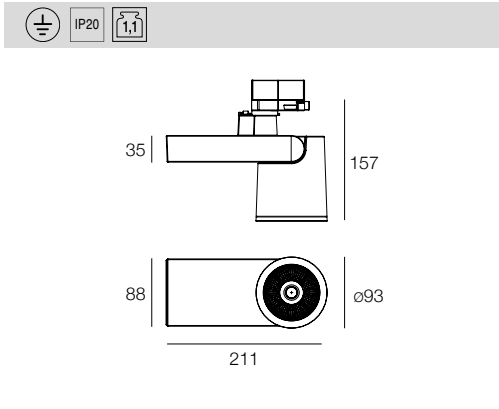
Ra 84 DALI

LED	FINISH	OPTIC	LED COLOUR	△	CODE
19W	deep black	SP	WW 3000K	TS 947	1T5034DA
19W	deep black	SP	NW 4000K	TS 947	1T5036DA
19W	deep black	FL	WW 3000K	TS 948	1T5038DA
19W	deep black	FL	NW 4000K	TS 948	1T5040DA
19W	deep black	MWFL	WW 3000K	TS 949	1T5042DA
19W	deep black	MWFL	NW 4000K	TS 949	1T5044DA
19W	deep black	WFL	WW 3000K	TS 950	1T5046DA
19W	deep black	WFL	NW 4000K	TS 950	1T5048DA
19W	plaster white	SP	WW 3000K	TS 947	1T5050DA
19W	plaster white	SP	NW 4000K	TS 947	1T5052DA
19W	plaster white	FL	WW 3000K	TS 948	1T5054DA
19W	plaster white	FL	NW 4000K	TS 948	1T5056DA
19W	plaster white	MWFL	WW 3000K	TS 949	1T5058DA
19W	plaster white	MWFL	NW 4000K	TS 949	1T5060DA
19W	plaster white	WFL	WW 3000K	TS 950	1T5062DA
19W	plaster white	WFL	NW 4000K	TS 950	1T5064DA
33W	deep black	SP	WW 3000K	TS 951	1T5066DA
33W	deep black	SP	NW 4000K	TS 951	1T5068DA
33W	deep black	FL	WW 3000K	TS 952	1T5070DA
33W	deep black	FL	NW 4000K	TS 952	1T5072DA
33W	deep black	MWFL	WW 3000K	TS 953	1T5074DA
33W	deep black	MWFL	NW 4000K	TS 953	1T5076DA
33W	deep black	WFL	WW 3000K	TS 954	1T5078DA
33W	deep black	WFL	NW 4000K	TS 954	1T5080DA
33W	plaster white	SP	WW 3000K	TS 951	1T5082DA
33W	plaster white	SP	NW 4000K	TS 951	1T5084DA
33W	plaster white	FL	WW 3000K	TS 952	1T5086DA
33W	plaster white	FL	NW 4000K	TS 952	1T5088DA
33W	plaster white	MWFL	WW 3000K	TS 953	1T5090DA
33W	plaster white	MWFL	NW 4000K	TS 953	1T5092DA
33W	plaster white	WFL	WW 3000K	TS 954	1T5094DA
33W	plaster white	WFL	NW 4000K	TS 954	1T5096DA





































Ra 97 ELECTRONIC POWER SUPPLY











LED 	FINISH	OPTIC	LED COLOUR		CODE
19W	deep black	SP	 3000K	TS 947	1T5035EL
19W	deep black	SP	 4000K	TS 947	1T5037EL
19W	deep black	FL	 3000K	TS 948	1T5039EL
19W	deep black	FL	 4000K	TS 948	1T5041EL
19W	deep black	MWFL	 3000K	TS 949	1T5043EL
19W	deep black	MWFL	 4000K	TS 949	1T5045EL
19W	deep black	WFL	 3000K	TS 950	1T5047EL
19W	deep black	WFL	 4000K	TS 950	1T5049EL
19W	plaster white	SP	 3000K	TS 947	1T5051EL
19W	plaster white	SP	 4000K	TS 947	1T5053EL
19W	plaster white	FL	 3000K	TS 948	1T5055EL
19W	plaster white	FL	 4000K	TS 948	1T5057EL
19W	plaster white	MWFL	 3000K	TS 949	1T5059EL
19W	plaster white	MWFL	 4000K	TS 949	1T5061EL
19W	plaster white	WFL	 3000K	TS 950	1T5063EL
19W	plaster white	WFL	 4000K	TS 950	1T5065EL
33W	deep black	SP	 3000K	TS 951	1T5067EL
33W	deep black	SP	 4000K	TS 951	1T5069EL
33W	deep black	FL	 3000K	TS 952	1T5071EL
33W	deep black	FL	 4000K	TS 952	1T5073EL
33W	deep black	MWFL	 3000K	TS 953	1T5075EL
33W	deep black	MWFL	 4000K	TS 953	1T5077EL
33W	deep black	WFL	 3000K	TS 954	1T5079EL
33W	deep black	WFL	 4000K	TS 954	1T5081EL
33W	plaster white	SP	 3000K	TS 951	1T5083EL
33W	plaster white	SP	 4000K	TS 951	1T5085EL
33W	plaster white	FL	 3000K	TS 952	1T5087EL
33W	plaster white	FL	 4000K	TS 952	1T5089EL
33W	plaster white	MWFL	 3000K	TS 953	1T5091EL
33W	plaster white	MWFL	 4000K	TS 953	1T5093EL
33W	plaster white	WFL	 3000K	TS 954	1T5095EL
33W	plaster white	WFL	 4000K	TS 954	1T5097EL



Ra 97 DALI

LED 	FINISH	OPTIC	LED COLOUR		CODE
19W	deep black	SP	 3000K	TS 947	1T5035DA
19W	deep black	SP	 4000K	TS 947	1T5037DA
19W	deep black	FL	 3000K	TS 948	1T5039DA
19W	deep black	FL	 4000K	TS 948	1T5041DA
19W	deep black	MWFL	 3000K	TS 949	1T5043DA
19W	deep black	MWFL	 4000K	TS 949	1T5045DA
19W	deep black	WFL	 3000K	TS 950	1T5047DA
19W	deep black	WFL	 4000K	TS 950	1T5049DA
19W	plaster white	SP	 3000K	TS 947	1T5051DA
19W	plaster white	SP	 4000K	TS 947	1T5053DA
19W	plaster white	FL	 3000K	TS 948	1T5055DA
19W	plaster white	FL	 4000K	TS 948	1T5057DA
19W	plaster white	MWFL	 3000K	TS 949	1T5059DA
19W	plaster white	MWFL	 4000K	TS 949	1T5061DA
19W	plaster white	WFL	 3000K	TS 950	1T5063DA
19W	plaster white	WFL	 4000K	TS 950	1T5065DA
33W	deep black	SP	 3000K	TS 951	1T5067DA
33W	deep black	SP	 4000K	TS 951	1T5069DA
33W	deep black	FL	 3000K	TS 952	1T5071DA
33W	deep black	FL	 4000K	TS 952	1T5073DA
33W	deep black	MWFL	 3000K	TS 953	1T5075DA
33W	deep black	MWFL	 4000K	TS 953	1T5077DA
33W	deep black	WFL	 3000K	TS 954	1T5079DA
33W	deep black	WFL	 4000K	TS 954	1T5081DA
33W	plaster white	SP	 3000K	TS 951	1T5083DA
33W	plaster white	SP	 4000K	TS 951	1T5085DA
33W	plaster white	FL	 3000K	TS 952	1T5087DA
33W	plaster white	FL	 4000K	TS 952	1T5089DA
33W	plaster white	MWFL	 3000K	TS 953	1T5091DA
33W	plaster white	MWFL	 4000K	TS 953	1T5093DA
33W	plaster white	WFL	 3000K	TS 954	1T5095DA
33W	plaster white	WFL	 4000K	TS 954	1T5097DA

STORE ACCESSORIES

OPTICAL ACCESSORIES		CODE
	Chromatic filters Interference glass filters. To be completed with dedicated holder ring.	Red 1T1712
		Green 1T1713
		Blue 1T1714
		Yellow 1T1715
		Magenta 1T1716
	Tone filters Interference glass filters to vary the colour temperature of light. To be completed with dedicated holder ring.	Gold 1T1786
		Cold 1T1777
		Peach 1T1759
	Blade light filter Parallel ribbed glass filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. To be completed with dedicated holder ring.	1T1708
	Diffusive filter Wired refractive glass filter. This softens the luminous effect. To be completed with dedicated holder ring.	1T1709
	Anti-glare grid Black lacquered metal honeycomb structure. To be completed with dedicated holder ring.	1T1711
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143
	Holder ring Black painted aluminium holder ring for the accessories.	1T3727
	Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.	Aluminium 1T2219
		White 1T2221
		Black 1T2220
	Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	Aluminium 1T2224+1T2219
		White 1T2223+1T2221
		Black 1T2222+1T2220

STORE MINI

Professional projector for LED sources. Body in painted die-cast aluminium. Front. Available in black and white. Optical chamber adjustable 0° - 90° vertically and 360° horizontally. High emission LED lamps sources with a colour temperature of 3000K or 4000K. Optical unit equipped with methacrylate lenses or convex faceted precision optics in high specularly anodised aluminium. Available in Spot, Flood, Medium Wide Flood or Wide Flood versions. Electrified track mounting. A full range of optical accessories available. Retractable power supply in the track available in the basic electronic or DALI version.



TS 966		FIXTURE POWER		13W	
<p>LED I_{max} 9470 cd/Klm α=15°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	1189 lm 1241 lm
	FIXTURE FLUX			EFFICACY	68 lm/W 71 lm/W
	IMAX	11260 cd	11753 cd		

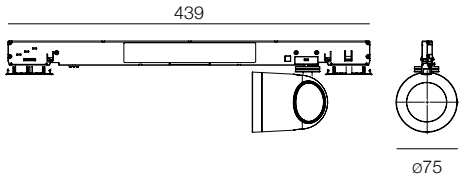
TS 967		FIXTURE POWER		14W	
<p>LED I_{max} 2626 cd/Klm α=30°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	1675 lm 1731 lm
	FIXTURE FLUX			EFFICACY	86 lm/W 88 lm/W
	IMAX	4399 cd	4546 cd		

TS 968		FIXTURE POWER		14W	
<p>LED I_{max} 1372 cd/Klm α=48°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	1675 lm 1731 lm
	FIXTURE FLUX			EFFICACY	99 lm/W 102 lm/W
	IMAX	2298 cd	2375 cd		

TS 969		FIXTURE POWER		21W	
<p>LED I_{max} 3570 cd/Klm α=24°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	2248 lm 2323 lm
	FIXTURE FLUX			EFFICACY	78 lm/W 81 lm/W
	IMAX	8025 cd	8293 cd		

TS 970		FIXTURE POWER		21W	
<p>LED I_{max} 1372 cd/Klm α=48°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	2248 lm 2323 lm
	FIXTURE FLUX			EFFICACY	89 lm/W 91 lm/W
	IMAX	3084 cd	3187 cd		

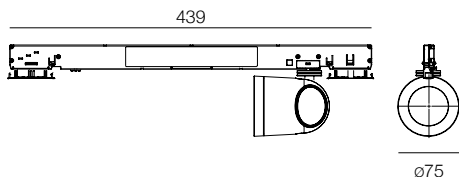
TS 971		FIXTURE POWER		21W	
<p>LED I_{max} 976 cd/Klm α=60°</p>	KELVIN	3000K RA84	4000K RA84	LED FLUX	2248 lm 2323 lm
	FIXTURE FLUX			EFFICACY	86 lm/W 89 lm/W
	IMAX	2194 cd	2267 cd		



Ra 84 ELECTRONIC POWER SUPPLY

LED	FINISH	EMISSION	OPTIC	LED COLOUR		CODE
11W	deep black	SP	lenses	3000K	TS 966	1T5010EL
11W	deep black	SP	lenses	4000K	TS 966	1T5011EL
12W	deep black	FL	lenses	3000K	TS 967	1T5012EL
12W	deep black	FL	lenses	4000K	TS 967	1T5013EL
12W	deep black	MWFL	facetted	3000K	TS 968	1T5014EL
12W	deep black	MWFL	facetted	4000K	TS 968	1T5015EL
11W	plaster white	SP	lenses	3000K	TS 966	1T5016EL
11W	plaster white	SP	lenses	4000K	TS 966	1T5017EL
12W	plaster white	FL	lenses	3000K	TS 967	1T5018EL
12W	plaster white	FL	lenses	4000K	TS 967	1T5019EL
12W	plaster white	MWFL	facetted	3000K	TS 968	1T5020EL
12W	plaster white	MWFL	facetted	4000K	TS 968	1T5021EL
18W	deep black	SP	lenses	3000K	TS 969	1T5022EL
18W	deep black	SP	lenses	4000K	TS 969	1T5023EL
18W	deep black	MWFL	facetted	3000K	TS 970	1T5024EL
18W	deep black	MWFL	facetted	4000K	TS 970	1T5025EL
18W	deep black	WFL	facetted	3000K	TS 971	1T5026EL
18W	deep black	WFL	facetted	4000K	TS 971	1T5027EL
18W	plaster white	SP	lenses	3000K	TS 969	1T5028EL
18W	plaster white	SP	lenses	4000K	TS 969	1T5029EL
18W	plaster white	MWFL	facetted	3000K	TS 970	1T5030EL
18W	plaster white	MWFL	facetted	4000K	TS 970	1T5031EL
18W	plaster white	WFL	facetted	3000K	TS 971	1T5032EL
18W	plaster white	WFL	facetted	4000K	TS 971	1T5033EL







STORE MINI



Ra 84 DALI

LED	FINISH	EMISSION	OPTIC	LED COLOUR	△	CODE
11W	deep black	SP	lenses	WW 3000K	TS 966	1T5010DA
11W	deep black	SP	lenses	NW 4000K	TS 966	1T5011DA
12W	deep black	FL	lenses	WW 3000K	TS 967	1T5012DA
12W	deep black	FL	lenses	NW 4000K	TS 967	1T5013DA
12W	deep black	MWFL	facetted	WW 3000K	TS 968	1T5014DA
12W	deep black	MWFL	facetted	NW 4000K	TS 968	1T5015DA
11W	plaster white	SP	lenses	WW 3000K	TS 966	1T5016DA
11W	plaster white	SP	lenses	NW 4000K	TS 966	1T5017DA
12W	plaster white	FL	lenses	WW 3000K	TS 967	1T5018DA
12W	plaster white	FL	lenses	NW 4000K	TS 967	1T5019DA
12W	plaster white	MWFL	facetted	WW 3000K	TS 968	1T5020DA
12W	plaster white	MWFL	facetted	NW 4000K	TS 968	1T5021DA
18W	deep black	SP	lenses	WW 3000K	TS 969	1T5022DA
18W	deep black	SP	lenses	NW 4000K	TS 969	1T5023DA
18W	deep black	MWFL	facetted	WW 3000K	TS 970	1T5024DA
18W	deep black	MWFL	facetted	NW 4000K	TS 970	1T5025DA
18W	deep black	WFL	facetted	WW 3000K	TS 971	1T5026DA
18W	deep black	WFL	facetted	NW 4000K	TS 971	1T5027DA
18W	plaster white	SP	lenses	WW 3000K	TS 969	1T5028DA
18W	plaster white	SP	lenses	NW 4000K	TS 969	1T5029DA
18W	plaster white	MWFL	facetted	WW 3000K	TS 970	1T5030DA
18W	plaster white	MWFL	facetted	NW 4000K	TS 970	1T5031DA
18W	plaster white	WFL	facetted	WW 3000K	TS 971	1T5032DA
18W	plaster white	WFL	facetted	NW 4000K	TS 971	1T5033DA

STORE MINI ACCESSORIES

OPTICAL ACCESSORIES		CODE
	Chromatic filters Interference flat glass filters. Diameter 50mm.	Red 49881
		Green 49882
		Blue 49887
		Yellow 49886
		Magenta 49959
	Tone filters Interference glass filters to vary the colour temperature of light. Diameter 50mm.	Gold 1T1748
		Cold 1T1745
		Peach 1T1751
	Blade of light filter PMMA holographic filter; more evident when combined with spot and flood optics. Diameter 50mm.	1T4721
	Anti-glare grid Black lacquered metal honeycomb structure. Complete with diffusive holographic filter.	1T4322
	Zoom Optical system consists of flat convex lens in optical glass, specular reflector in anodized aluminium and diffusive holographic filter. To be used after removing the existing optic. It can not be used with narrow spot optic. It allows to obtain a variable beam from 15 ° to 60 °.	1T4324
	Asymmetric screen Asymmetric screen in anodized diffusive aluminum, black painted outside. Complete with blade light filter. Ideal for a wall washer effect. To be combined with spot and flood optics.	1T4325

RAY



Waku Waku Dammtor, Germany - Interior design: Ippolito Fleitz Group, Germany - Photographer: Benjamin Nadjib

PROFESSIONAL LED PROJECTORS



ESSENTIAL DESIGN

Distinguished for its essential design, the RAY projector is clearly intended for retail projects. Clean profiles, absolute matt colors, totally tool free, LED sources, with power output up to 55W and differentiated optics. Two sizes to satisfy different needs in terms of scale for a complete lighting project. Simple but at the same time distinguished by details and performance.



PERFECTLY BALANCED

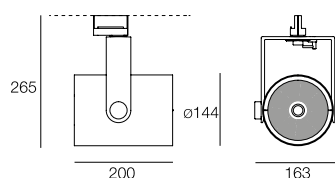
RAY has been carefully designed to ensure that its center of gravity is always aligned with the track independent of where it is aimed. This enables the projectors' weight to be distributed evenly on the track which does not bend and stays parallel to the floor, even after all the fixtures have been positioned.

VERSIONS UP TO 7400 LUMEN

RAY using the innovative power-LED sources of up to 7400lm and beam intensities of over 55000 candela; the same performance of a discharge lamp with zero maintenance.

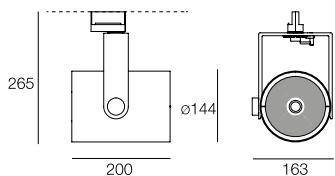
LED

Professional adjustable LED projector. Die-cast aluminium body painted with deep black or plaster-white finish. Front ring made of black ryton, high temperature plastic polymer. High output LED with warm white or neutral white light emission with Ra 84/Ra 97. Super-pure aluminium precision optic with ellipsoidal convex facets. Spot, flood or wide flood beam angles. Adjustable from 0° to -90° in the vertical plane and 359° in the horizontal plane. Mechanical aiming lock in vertical plane and graduated ring nut for locking in the horizontal plane. EUROSTANDARD adapter. Electronic driver built into luminaire body.



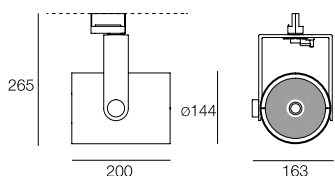
Ra 84 ELECTRONIC POWER SUPPLY

LED	OPTIC	LED COLOUR	FINISH	△	CODE
32W	SP	ww 3000K	White	TS 742	1T3684
32W	SP	ww 3000K	Black	TS 742	1T3685
32W	FL	ww 3000K	White	TS 740	1T3686
32W	FL	ww 3000K	Black	TS 740	1T3687
50W	FL	ww 3000K	White	TS 741	1T3692
50W	FL	ww 3000K	Black	TS 741	1T3693
50W	WFL	ww 3000K	White	TS 743	1T3694
50W	WFL	ww 3000K	Black	TS 743	1T3695
32W	SP	nw 4000K	White	TS 742	1T5321
32W	SP	nw 4000K	Black	TS 742	1T5322
32W	FL	nw 4000K	White	TS 740	1T5323
32W	FL	nw 4000K	Black	TS 740	1T5324
55W	FL	nw 4000K	White	TS 741	1T5325
55W	FL	nw 4000K	Black	TS 741	1T5326
55W	WFL	nw 4000K	White	TS 743	1T5327
55W	WFL	nw 4000K	Black	TS 743	1T5328



Ra 84 DALI

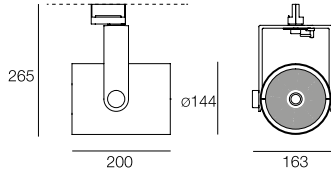
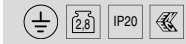
LED	OPTIC	LED COLOUR	FINISH	\triangle	CODE
32W	SP	WW 3000K	White	TS 742	1T3684DA
32W	SP	WW 3000K	Black	TS 742	1T3685DA
32W	FL	WW 3000K	White	TS 740	1T3686DA
32W	FL	WW 3000K	Black	TS 740	1T3687DA
55W	FL	WW 3000K	White	TS 741	1T3692DA
55W	FL	WW 3000K	Black	TS 741	1T3693DA
55W	WFL	WW 3000K	White	TS 743	1T3694DA
55W	WFL	WW 3000K	Black	TS 743	1T3695DA
32W	SP	NW 4000K	White	TS 742	1T5321DA
32W	SP	NW 4000K	Black	TS 742	1T5322DA
32W	FL	NW 4000K	White	TS 740	1T5323DA
32W	FL	NW 4000K	Black	TS 740	1T5324DA
55W	FL	NW 4000K	White	TS 741	1T5325DA
55W	FL	NW 4000K	Black	TS 741	1T5326DA
55W	WFL	NW 4000K	White	TS 743	1T5327DA
55W	WFL	NW 4000K	Black	TS 743	1T5328DA



Ra 97 ELECTRONIC POWER SUPPLY

LED	OPTIC	LED COLOUR	FINISH	\triangle	CODE
32W	SP	WW 3000K	White	TS 742	1T4249
32W	SP	WW 3000K	Black	TS 742	1T4250
32W	FL	WW 3000K	White	TS 740	1T4251
32W	FL	WW 3000K	Black	TS 740	1T4252
55W	FL	WW 3000K	White	TS 741	1T4253
55W	FL	WW 3000K	Black	TS 741	1T4254
55W	WFL	WW 3000K	White	TS 743	1T4255
55W	WFL	WW 3000K	Black	TS 743	1T4256
32W	SP	NW 4000K	White	TS 742	1T5329
32W	SP	NW 4000K	Black	TS 742	1T5330
32W	FL	NW 4000K	White	TS 740	1T5331
32W	FL	NW 4000K	Black	TS 740	1T5332
55W	FL	NW 4000K	White	TS 741	1T5333
55W	FL	NW 4000K	Black	TS 741	1T5334
55W	WFL	NW 4000K	White	TS 743	1T5335
55W	WFL	NW 4000K	Black	TS 743	1T5336

Ra 97 DALI



LED	OPTIC	LED COLOUR	FINISH	△	CODE
32W	SP	WW 3000K	White	TS 742	1T4249DA
32W	SP	WW 3000K	Black	TS 742	1T4250DA
32W	FL	WW 3000K	White	TS 740	1T4251DA
32W	FL	WW 3000K	Black	TS 740	1T4252DA
55W	FL	WW 3000K	White	TS 741	1T4253DA
55W	FL	WW 3000K	Black	TS 741	1T4254DA
55W	WFL	WW 3000K	White	TS 743	1T4255DA
55W	WFL	WW 3000K	Black	TS 743	1T4256DA
32W	SP	NW 4000K	White	TS 742	1T5329DA
32W	SP	NW 4000K	Black	TS 742	1T5330DA
32W	FL	NW 4000K	White	TS 740	1T5331DA
32W	FL	NW 4000K	Black	TS 740	1T5332DA
55W	FL	NW 4000K	White	TS 741	1T5333DA
55W	FL	NW 4000K	Black	TS 741	1T5334DA
55W	WFL	NW 4000K	White	TS 743	1T5335DA
55W	WFL	NW 4000K	Black	TS 743	1T5336DA

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

ACCESSORIES



Flaps

[1T3696](#)

TS 740	FIXTURE POWER	36W			
		3000K RA84	4000K RA84	3000K RA97	4000K RA97
	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	4137 lm	4385 lm	3084 lm	3185 lm
	FIXTURE FLUX	3454 lm	3661 lm	2575 lm	2659 lm
	EFFICACY	96 lm/W	102 lm/W	71 lm/W	74 lm/W
	IMAX	14104 cd	14949 cd	10514 cd	10858 cd

TS 741	FIXTURE POWER	55W	62W		62W	
		3000K RA84 EL	3000K RA84 DA	4000K RA84	3000K RA97	4000K RA97
	KELVIN	3000K RA84 EL	3000K RA84 DA	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	6595 lm	7203 lm	7440 lm	5403 lm	5580 lm
	FIXTURE FLUX	5474 lm	5978 lm	6175 lm	4484 lm	4631 lm
	EFFICACY	99 lm/W	96 lm/W	100 lm/W	72 lm/W	75 lm/W
	IMAX	22764 cd	24863 cd	25681 cd	18650 cd	19261 cd

TS 742	FIXTURE POWER	36W			
		3000K RA84	4000K RA84	3000K RA97	4000K RA97
	KELVIN	3000K RA84	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	4137 lm	4385 lm	3084 lm	3185 lm
	FIXTURE FLUX	3533 lm	3744 lm	2633 lm	2720 lm
	EFFICACY	98 lm/W	104 lm/W	73 lm/W	75 lm/W
	IMAX	54758 cd	58040 cd	40820 cd	42157 cd

TS 743	FIXTURE POWER	55W	62W		62W	
		3000K RA84 EL	3000K RA84 DA	4000K RA84	3000K RA97	4000K RA97
	KELVIN	3000K RA84 EL	3000K RA84 DA	4000K RA84	3000K RA97	4000K RA97
	LED FLUX	6595 lm	7203 lm	7440 lm	5403 lm	5580 lm
	FIXTURE FLUX	5408 lm	5906 lm	6101 lm	4430 lm	4576 lm
	EFFICACY	98 lm/W	95 lm/W	98 lm/W	71 lm/W	74 lm/W
	IMAX	8465 cd	9245 cd	9550 cd	6935 cd	7162 cd

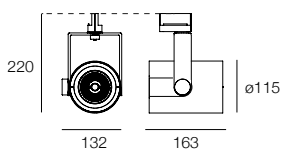


Waku Waku Dammtor, Germany - Interior design: Ippolito Fleitz Group, Germany - Photographer: Benjamin Nadjib

RAY MINI

LED

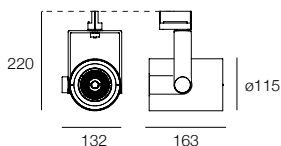
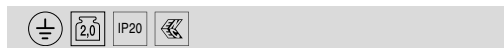
Professional adjustable LED projector. Die-cast aluminium body painted with deep black or plaster-white finish. Front ring made of black ryton, high temperature plastic polymer. High output LED with warm white or neutral white light emission with Ra 84/Ra 97. Metallised polycarbonate precision optic with ellipsoidal convex facets. Spot, flood or medium wide flood beam angles. Adjustable from 0° to -90° in the vertical plane and 359° in the horizontal plane. Mechanical aiming lock in vertical plane and graduated ring nut for locking in the horizontal plane. EUROSTANDARD adapter. Electronic driver built into luminaire body.



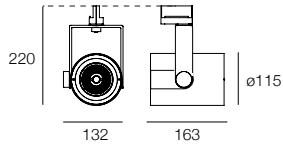
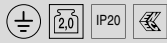
Ra 84 ELECTRONIC POWER SUPPLY

LED	OPTIC	LED COLOUR	FINISH		CODE
30W	SP	ww 3000K	Black	TS 832	1T4197
30W	FL	ww 3000K	Black	TS 833	1T4198
30W	MWFL	ww 3000K	Black	TS 834	1T4199
30W	SP	ww 3000K	White	TS 832	1T4201
30W	FL	ww 3000K	White	TS 833	1T4202
30W	MWFL	ww 3000K	White	TS 834	1T4203
30W	SP	nw 4000K	Black	TS 832	1T5337
30W	FL	nw 4000K	Black	TS 833	1T5338
30W	MWFL	nw 4000K	Black	TS 834	1T5339
30W	SP	nw 4000K	White	TS 832	1T5340
30W	FL	nw 4000K	White	TS 833	1T5341
30W	MWFL	nw 4000K	White	TS 834	1T5342

Ra 84 DALI

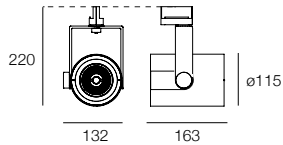
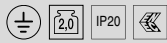


LED	OPTIC	LED COLOUR	FINISH		CODE
30W	SP	ww 3000K	Black	TS 832	1T4197DA
30W	FL	ww 3000K	Black	TS 833	1T4198DA
30W	MWFL	ww 3000K	Black	TS 834	1T4199DA
30W	SP	ww 3000K	White	TS 832	1T4201DA
30W	FL	ww 3000K	White	TS 833	1T4202DA
30W	MWFL	ww 3000K	White	TS 834	1T4203DA
30W	SP	nw 4000K	Black	TS 832	1T5337DA
30W	FL	nw 4000K	Black	TS 833	1T5338DA
30W	MWFL	nw 4000K	Black	TS 834	1T5339DA
30W	SP	nw 4000K	White	TS 832	1T5340DA
30W	FL	nw 4000K	White	TS 833	1T5341DA
30W	MWFL	nw 4000K	White	TS 834	1T5342DA



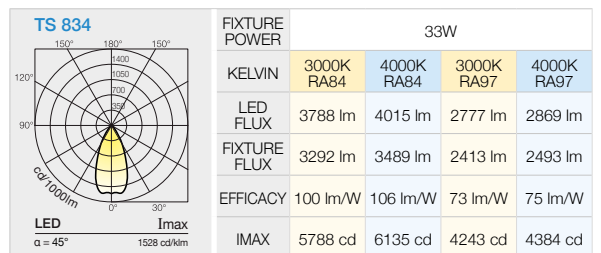
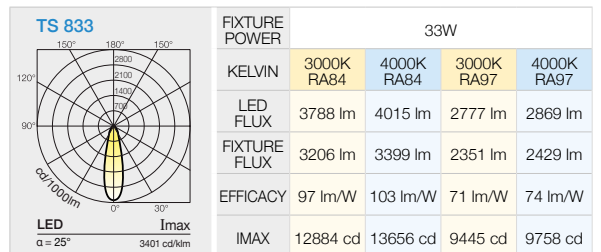
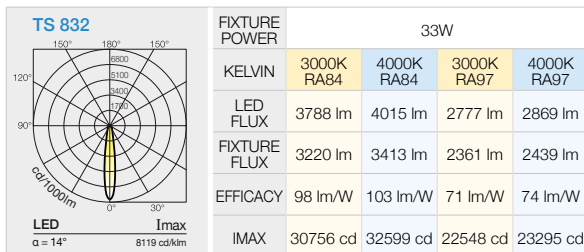
Ra 97 ELECTRONIC POWER SUPPLY

LED	OPTIC	LED COLOUR	FINISH	△	CODE
30W	SP	WW 3000K	Black	TS 832	1T4257
30W	FL	WW 3000K	Black	TS 833	1T4258
30W	MWFL	WW 3000K	Black	TS 834	1T4259
30W	SP	WW 3000K	White	TS 832	1T4260
30W	FL	WW 3000K	White	TS 833	1T4261
30W	MWFL	WW 3000K	White	TS 834	1T4262
30W	SP	NW 4000K	Black	TS 832	1T5343
30W	FL	NW 4000K	Black	TS 833	1T5344
30W	MWFL	NW 4000K	Black	TS 834	1T5345
30W	SP	NW 4000K	White	TS 832	1T5346
30W	FL	NW 4000K	White	TS 833	1T5347
30W	MWFL	NW 4000K	White	TS 834	1T5348



Ra 97 DALI

LED	OPTIC	LED COLOUR	FINISH	△	CODE
30W	SP	WW 3000K	Black	TS 832	1T4257DA
30W	FL	WW 3000K	Black	TS 833	1T4258DA
30W	MWFL	WW 3000K	Black	TS 834	1T4259DA
30W	SP	WW 3000K	White	TS 832	1T4260DA
30W	FL	WW 3000K	White	TS 833	1T4261DA
30W	MWFL	WW 3000K	White	TS 834	1T4262DA
30W	SP	NW 4000K	Black	TS 832	1T5343DA
30W	FL	NW 4000K	Black	TS 833	1T5344DA
30W	MWFL	NW 4000K	Black	TS 834	1T5345DA
30W	SP	NW 4000K	White	TS 832	1T5346DA
30W	FL	NW 4000K	White	TS 833	1T5347DA
30W	MWFL	NW 4000K	White	TS 834	1T5348DA



RAY MINI ACCESSORIES

OPTICAL ACCESSORIES



Chromatic filters
Interference flat glass filters.

Red	1T1712
Green	1T1713
Blue	1T1714
Yellow	1T1715
Magenta	1T1716



Tone filters
Interference flat glass filters to vary the colour temperature of light.

Gold	1T1786
Cold	1T1777
Peach	1T1759



Blade light filter
Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.

[1T1708](#)



Diffusive filter
Microprismatic refractive flat glass filter. This softens the luminous effect.

[1T1709](#)



Anti-glare grid
Black lacquered metal honeycomb grid.

[1T1711](#)



Cut-off Tube
Allows for the beam to be focused while removing the fall-off component.

[1T3142](#)



Zoom
Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.

[1T3432](#)



Asymmetric screen
Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.

[1T3143](#)

Holder ring

[1T3727](#)



Ceiling mounting adapter
Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.

White	1T2221
Black	1T2220



Recessed adapter
Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.

White	1T2223 + 1T2221
Black	1T2222 + 1T2220





Paris Plaza Norte - Lima, Perú

PROFESSIONAL PROJECTOR FOR LED SOURCES AND METAL HALIDE LAMPS



PERFECT DETAILS

Exact precision and extremely clean dimensional lines characterize the PUR professional projector. The defined lines, sharp edges, the pure forms that distinguish PUR are the result of careful study of the expressive potential of material; resistant to high temperatures, graphite filled polymer allows one to obtain, through a careful production process, highly defined surfaces for attentive attention to detail.

IMPRESSIVE AMBIENTS

Optics with convex ellipsoidal facets find in PUR their natural design application, form and effect. Available in four beam angles, these optics are differentiated in the geometry and convexity of the facets for maximum precision of the light effect.



PUR



NEW HIGH LED PERFORMANCE

PUR features an important update with new LED versions equipped with last generation COB and dedicated optics, according to the indoor programme of LED projectors. A new solution proposing precision and performance in order to fulfil the different exigencies of a complete project also thanks to dedicated professional accessories.



RELIABLE AIM

Easy aiming, reliable over time, due to the system with allen screws hidden on the body and the optic chamber. Adjustability of the apparatus of 359° on the adaptater, from + to -90° of the optical body, with a graduated scale for precise and secure aiming of the projector.



MAXIMUM COMFORT

Different types of anti-glare spill rings especially tailored to the different lamps and reflectors allow optimal control of the beams of light for maximum visual comfort in any application.

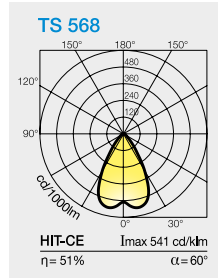
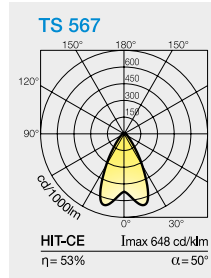
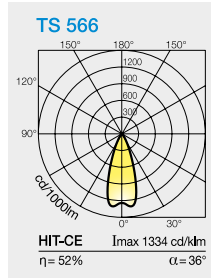
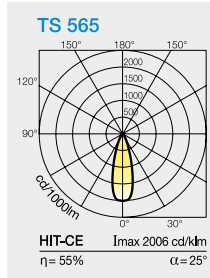
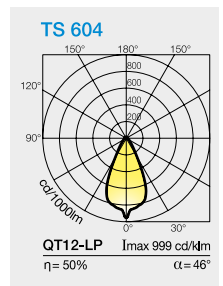
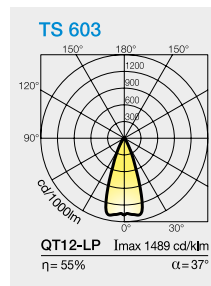
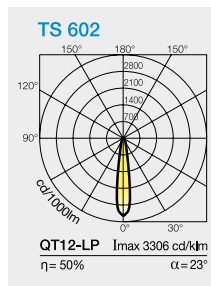
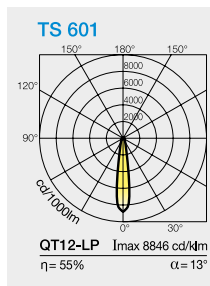


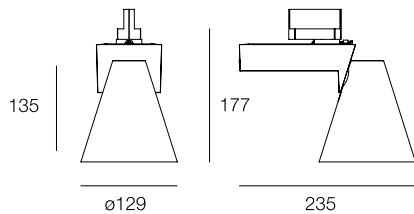
TOOL-FREE RELAMPING

Instant, easy relamping without using tools. A simple movement of rotation and pressure on the glass allows for the extraction of the front for relamping; the security cable secures the front hooked to the body of the projector to allow you to carry out the tools-free maintenance in complete safety.

Professional projector for metal halide lamps.

Body and optical unit in graphite filled polymer painted with deep black, plaster white and titanium grey finishes. Completed with the new interchangeable optics with ellipsoidal convex facets. Antiglare spill-ring calibrated according to different beam angles. Adjustability of the optic body from -90° to $+90^\circ$ in the vertical plan and of the entire unit of 359° horizontally. Double locking of pointing through Allen screw with hidden access points. Electronic power supply separate from the optic body to optimize the dissipation of heat. Complete with extra clear tempered safety glass.



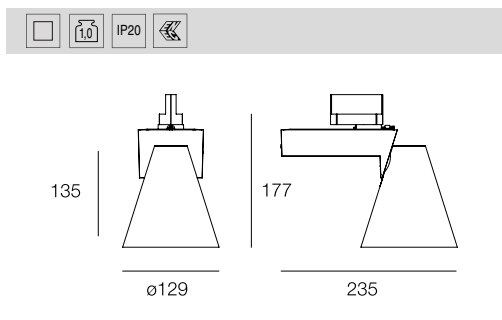


HIT-CE	OPTIC	POWER SUPPLY	COLOUR	△	CODE
G12	35W SP	electronic	titanium grey	TS 565	1T2573
	35W FL	electronic	titanium grey	TS 566	1T2574
	35W MWFL	electronic	titanium grey	TS 567	1T2575
	35W WFL	electronic	titanium grey	TS 568	1T2576
	35W SP	electronic	plaster white	TS 565	1T2565
	35W FL	electronic	plaster white	TS 566	1T2566
	35W MWFL	electronic	plaster white	TS 567	1T2567
	35W WFL	electronic	plaster white	TS 568	1T2568
	35W SP	electronic	deep black	TS 565	1T2569
	35W FL	electronic	deep black	TS 566	1T2570
	35W MWFL	electronic	deep black	TS 567	1T2571
	35W WFL	electronic	deep black	TS 568	1T2572
	70W SP	electronic	titanium grey	TS 565	1T2585
	70W FL	electronic	titanium grey	TS 566	1T2586
	70W MWFL	electronic	titanium grey	TS 567	1T2587
	70W WFL	electronic	titanium grey	TS 568	1T2588
	70W SP	electronic	plaster white	TS 565	1T2577
	70W FL	electronic	plaster white	TS 566	1T2578
	70W MWFL	electronic	plaster white	TS 567	1T2579
	70W WFL	electronic	plaster white	TS 568	1T2580
	70W SP	electronic	deep black	TS 565	1T2581
	70W FL	electronic	deep black	TS 566	1T2582
	70W MWFL	electronic	deep black	TS 567	1T2583
	70W WFL	electronic	deep black	TS 568	1T2584

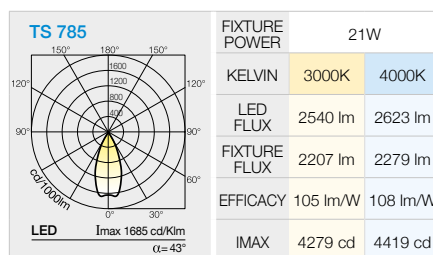
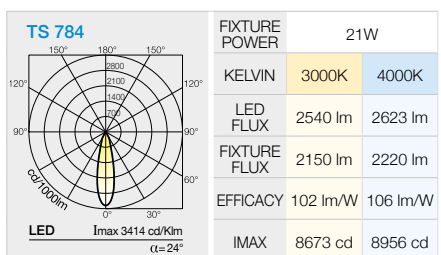
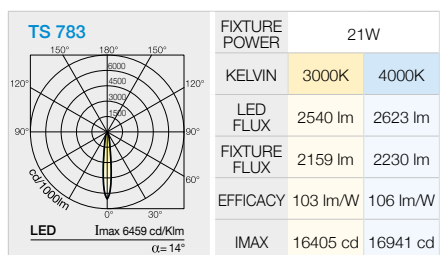
LED

Professional projector fitted with LED sources.













Body and optical unit in graphite filled polymer painted with deep black, plaster white and titanium grey finishes. Double aiming locking system with an Allen screw with hidden access points. Black anti-glare front ring. High emission warm white (3000K) or neutral white (4000K) LED. Ra84; Ra97 on request. Primary optical unit complete with precision optics with convex facets in metallised polycarbonate available in Spot, Flood and Medium wide flood versions. Treated with a highly reflective "Scratch Proof Formula". Adjustable optic body from -90° to +90° vertically and the entire unit 359° horizontally. Designed for installation with several optical accessories that can be ordered separately. Integrated EUROSTANDARD adaptor. Integrated electronic driver.



LED	OPTIC	LED COLOUR	FINISH	Δ	CODE
19W	SP	3000K	Titanium grey	TS 783	1T3953
19W	SP	4000K	Titanium grey	TS 783	1T3954
19W	FL	3000K	Titanium grey	TS 784	1T3955
19W	FL	4000K	Titanium grey	TS 784	1T3956
19W	MWFL	3000K	Titanium grey	TS 785	1T3957
19W	MWFL	4000K	Titanium grey	TS 785	1T3958
19W	SP	3000K	Plaster white	TS 783	1T3941
19W	SP	4000K	Plaster white	TS 783	1T3942
19W	FL	3000K	Plaster white	TS 784	1T3943
19W	FL	4000K	Plaster white	TS 784	1T3944
19W	MWFL	3000K	Plaster white	TS 785	1T3945
19W	MWFL	4000K	Plaster white	TS 785	1T3946
19W	SP	3000K	Deep black	TS 783	1T3947
19W	SP	4000K	Deep black	TS 783	1T3948
19W	FL	3000K	Deep black	TS 784	1T3949
19W	FL	4000K	Deep black	TS 784	1T3950
19W	MWFL	3000K	Deep black	TS 785	1T3951
19W	MWFL	4000K	Deep black	TS 785	1T3952



ACCESSORIES

OPTICAL ACCESSORIES (LED VERSIONS)		
	Chromatic filters Interference flat glass filters.	Red 1T3424
		Green 1T3425
		Blue 1T3426
		Yellow 1T3427
		Magenta 1T3428
	Tone filters Interference flat glass filters to vary the colour temperature of light.	Gold 1T3431
		Cold 1T3429
		Peach 1T3430
	Blade light filter Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.	1T3141
	Diffusive filter Microprismatic refractive flat glass filter. This softens the luminous effect.	1T3140
	Anti-glare grid Black lacquered metal honeycomb grid.	1T3423
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143
OPTICAL ACCESSORIES (HIT VERSIONS)		
	UV Filter	1T2454
	Diffusive filter Microprismatic refractive flat glass filter. This softens the luminous effect.	1T2455
ACCESSORIES (ALL VERSIONS)		
	Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.	Aluminium 1T2219
		White 1T2221
		Black 1T2220
	Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	Aluminium 1T2224+1T2219
		White 1T2223+1T2221
		Black 1T2222+1T2220

MAGMA



MABIC - Maranello Library, Modena (Italy) - Project: Arata Isozaki, Andrea Maffei.

PROFESSIONAL PROJECTOR FOR HALOGEN, METAL HALIDE AND LED SOURCES



WIDE SELECTION

The MAGMA projector series is part of a family of lighting fixtures which is designed with optics that use the most common indoor lighting sources. The multitude of optics, the numerous lighting sources implemented and the countless installation possibilities render MAGMA series projectors suitable for the installation in any environment, from retail lighting to display lighting, and in any architectural situation in which the light must be aimed with precision.

NEW HIGH LED PERFORMANCE

MAGMA features an important update with new LED versions equipped with last generation COB and dedicated optics, according to the indoor programme of LED projectors. A new solution proposing precision and performance in order to fulfil the different exigencies of a complete project also thanks to dedicated professional accessories.



AIMING STABILITY

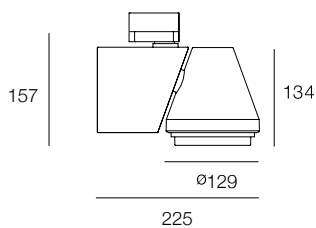
The long-lasting adjustment of the projectors is ensured by their two fastening bolts which act upon the rotation hinges and maintain the desired direction, even after relamping operations. The horizontal adjustability of 359°, and the vertical adjustability from +70° to -90°, allow for these projectors to be oriented in any required direction.





















MAGMA

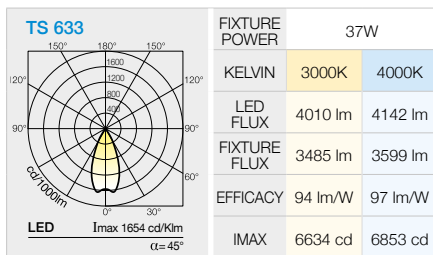
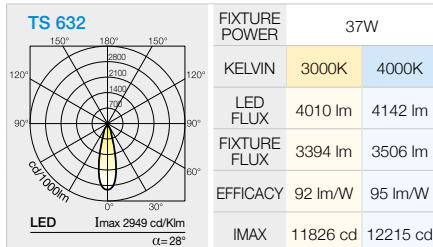
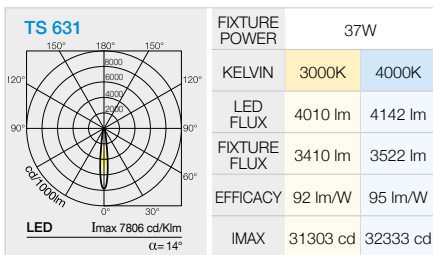
LED

Professional LED projector. Painted die-cast aluminium power supply body and optic body. The body can be adjusted to 359° horizontally and the optic unit can be adjusted to 180° vertically using the aiming locking system. High emission warm white or neutral white LED. Ra84; Ra97 on request. Precision optics with convex facets in metallised polycarbonate available in Spot, Flood and Medium wide flood versions. Treated with a highly reflective "Scratch Proof Formula". A large range of accessories and optic screens can be fitted to the fixture. The integrated electronic driver is separated from the optic unit to optimise heat dissipation.

220-240V 50/60Hz



LED 	OPTIC	FINISHES	LED COLOR		CODE
33W	SP	plaster white	 3000K	TS 631	1T4031
33W	SP	plaster white	 4000K	TS 631	1T4032
33W	SP	aluminium	 3000K	TS 631	1T4033
33W	SP	aluminium	 4000K	TS 631	1T4034
33W	SP	black	 3000K	TS 631	1T4035
33W	SP	black	 4000K	TS 631	1T4036
33W	FL	plaster white	 3000K	TS 632	1T4037
33W	FL	plaster white	 4000K	TS 632	1T4038
33W	FL	aluminium	 3000K	TS 632	1T4039
33W	FL	aluminium	 4000K	TS 632	1T4040
33W	FL	black	 3000K	TS 632	1T4041
33W	FL	black	 4000K	TS 632	1T4042
33W	MWFL	plaster white	 3000K	TS 633	1T4043
33W	MWFL	plaster white	 4000K	TS 633	1T4044
33W	MWFL	aluminium	 3000K	TS 633	1T4045
33W	MWFL	aluminium	 4000K	TS 633	1T4046
33W	MWFL	black	 3000K	TS 633	1T4047
33W	MWFL	black	 4000K	TS 633	1T4048



Accessories See page 290

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

MAGMA



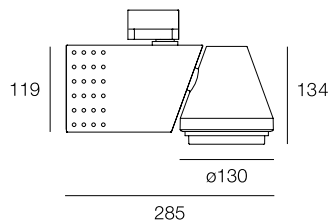
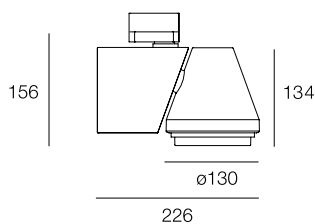
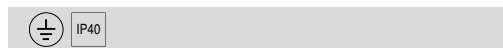
Hermitage Museum Repository - St Petersburg, Russia
Project: Trofimov Studio



MAGMA

HIT / QR111

Professional projector for halogen and metal halide lamps. Die cast painted aluminium power supply and optics housings. 359° adjustable body on the horizontal axis. 180° adjustable optics on the vertical axis with mechanical locking device to ensure aiming stability. Metal halide version to be completed with the precision elliptical optics with convex facets. Optics are equipped with ring and protection glass to be ordered separately in the same colour of the fixture. Bayonet lock mounting system for an easy relamping. Anti-glare steel spill ring inside the optics housing. Electronic power supply separated from the optics housing in order to optimize the heat dissipation.



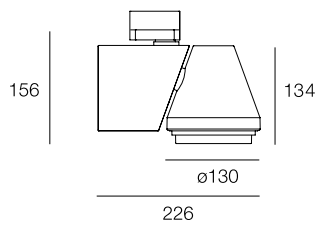
HIT-CE	COLOUR	POWER SUPPLY	WEIGHT	CODE
G12 35W	aluminium	electronic	1,1 Kg	1T2081N
35W	white	electronic	1,1 Kg	1T2079N
35W	black	electronic	1,1 Kg	1T2080N
150W	aluminium	electronic	1,4 Kg	1T2284N
150W	white	electronic	1,4 Kg	1T2282N
150W	black	electronic	1,4 Kg	1T2283N



OPTIC	COLOUR	△	CODE
SP	aluminium		TS 585 1T2105N
SP	white		TS 585 1T2097N
SP	black		TS 585 1T2101N
FL	aluminium		TS 586 1T2106N
FL	white		TS 586 1T2098N
FL	black		TS 586 1T2102N
MWFL	aluminium		TS 587 1T2560N
MWFL	white		TS 587 1T2558N
MWFL	black		TS 587 1T2559N
WFL	aluminium		TS 588 1T2107N
WFL	white		TS 588 1T2099N
WFL	black		TS 588 1T2103N

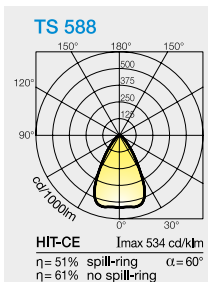
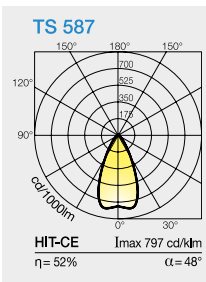
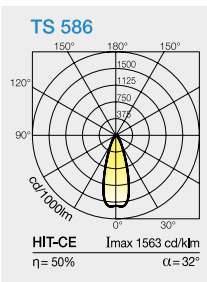
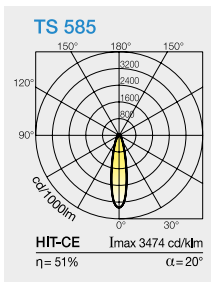


IP40



QR111		COLOUR	POWER SUPPLY	WEIGHT	CODE
G53	max 100W	aluminium	electronic	1,1 Kg	1T2087N
	max 100W	white	electronic	1,1 Kg	1T2085N
	max 100W	black	electronic	1,1 Kg	1T2086N

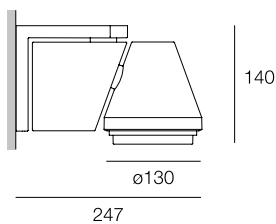
Accessories See page 290



MAGMA

WALL HIT/QR111

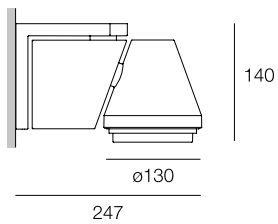
Professional projector for halogen and metal halide lamps. Die cast painted aluminium power supply and optics housings. Wall mounting system through die cast aluminium bracket which allows +/- 120° adjustment on the horizontal axis of fixture body. 180° adjustable optics on the vertical axis with mechanical locking device to ensure aiming stability. Metal halide version to be completed with the precision elliptical optics with convex facets. Optics are equipped with ring and protection glass to be ordered separately in the same colour of the fixture. Bayonet lock mounting system for an easy relamping. Anti-glare steel spill ring inside the optics housing. Electronic power supply separated from the optics housing in order to optimize the heat dissipation.



HIT-CE	⚡	COLOUR	POWER SUPPLY	CODE
G12	35W	aluminium	electronic	1T2287N
	35W	white	electronic	1T2285N
	35W	black	electronic	1T2286N

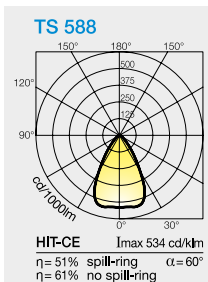
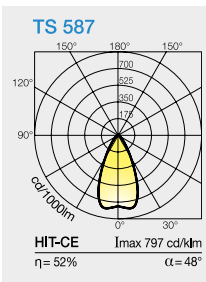
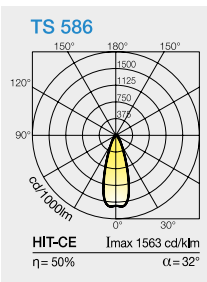
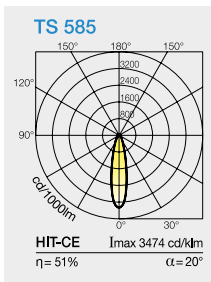


OPTIC	COLOUR	△	CODE
SP	aluminium		TS 585 1T2105N
SP	white		TS 585 1T2097N
SP	black		TS 585 1T2101N
FL	aluminium		TS 586 1T2106N
FL	white		TS 586 1T2098N
FL	black		TS 586 1T2102N
MWFL	aluminium		TS 587 1T2560N
MWFL	white		TS 587 1T2558N
MWFL	black		TS 587 1T2559N
WFL	aluminium		TS 588 1T2107N
WFL	white		TS 588 1T2099N
WFL	black		TS 588 1T2103N



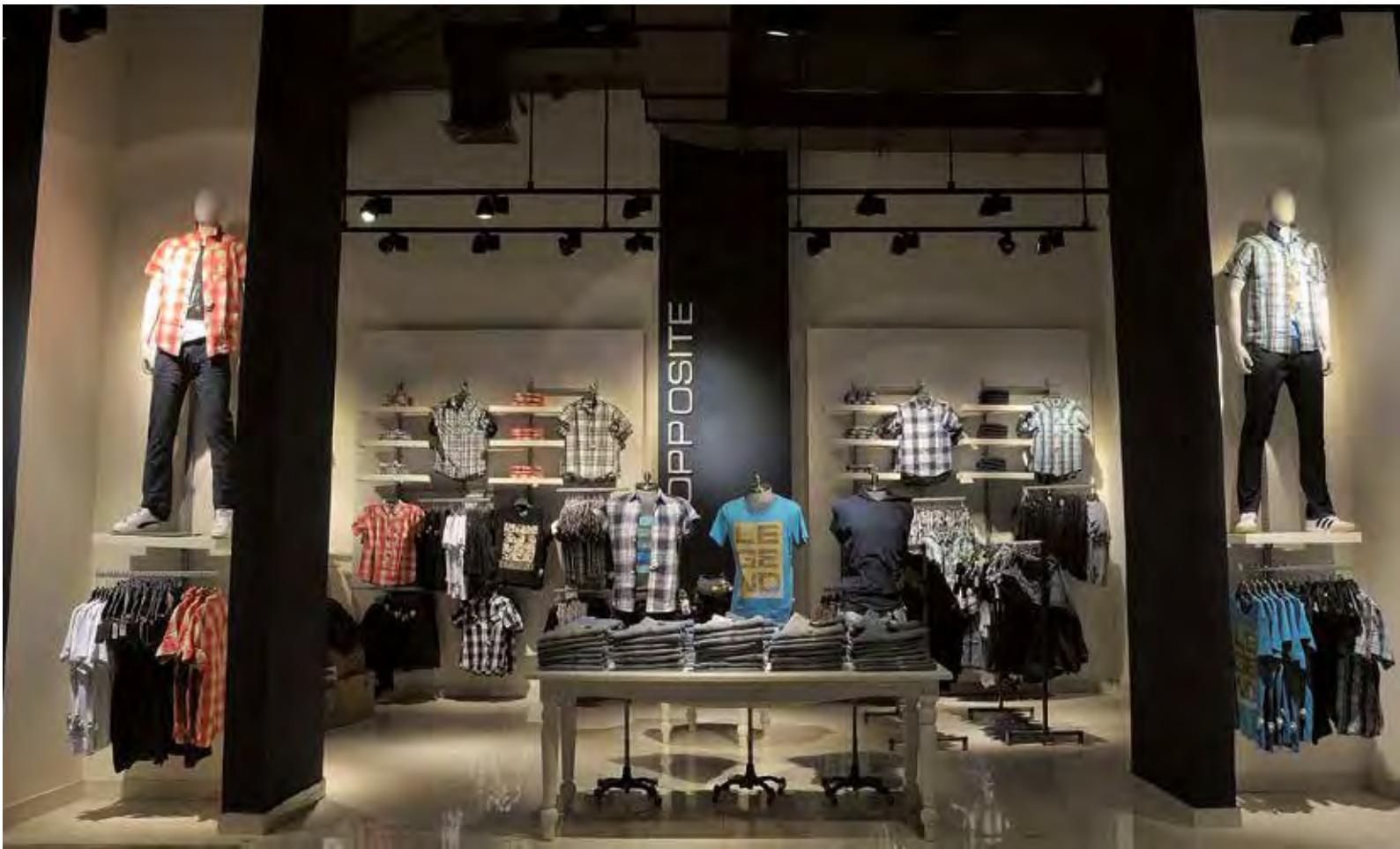
QR111		COLOUR	POWER SUPPLY	CODE
G53	max 100W	aluminium	electronic	1T2293N
	max 100W	white	electronic	1T2291N
	max 100W	black	electronic	1T2292N

Accessories See page 290



MAGMA ACCESSORIES

	LED	HIT-CE	QR111
			
Chromatic and UV Stop filters Interference filters on flat glass. UV filter to reduce the UV/B rays and block (>90%) the UV/A rays. To be completed with additional holder ring. HIT-CE/QR111 diameter is 101 mm. LED diameter is 70 mm.	1T1712 1T1713 1T1714 1T1715 1T1716	1T1700 Red 1T1701 Green 1T1702 Blue 1T1703 Yellow 1T1704 Magenta 1T1698 UV Stop	1T1700 Red 1T1701 Green 1T1702 Blue 1T1703 Yellow 1T1704 Magenta 1T1698 UV Stop
Corrective filters Interference filters on flat glass to vary the colour temperature of the light. To be completed with additional holder ring. HIT-CE/QR111 diameter is 101 mm. LED diameter is 70 mm.	1T1786 Sun 1T1777 Sunset 1T1759 Polar	1T1705 Sun 1T1706 Sunset 1T1707 Polar	1T1705 Sun 1T1706 Sunset 1T1707 Polar
Diffusive and Blade filter Refractive filter on flat glass. Wired diffusive filter to soften the luminous effect; ribbed blade filter to ovalize the beam. To be completed with additional holder ring. HIT-CE/QR111 diameter is 101 mm. LED diameter is 70 mm.	1T1709 Diffusive 1T1708 Blade of light	1T1697 Diffusive 1T1696 Blade of light	1T1697 Diffusive 1T1696 Blade of light
Holder ring Painted aluminium ring to hold the accessories.	1T3727	1T2111N Aluminium 1T2109N White 1T2110N Black	1T2111N Aluminium 1T2109N White 1T2110N Black
Anti-glare grid Honey comb structure made of black painted metal. HIT-CE version completes with holder ring and transparent protection glass. Max 70W in the HIT-CE version. HIT-CE diameter is 101 mm. LED diameter is 79 mm.	1T3423	1T2563N Aluminium 1T2561N White 1T2562N Black	
Barn door flaps Adjustable barn door flaps made of metal painted black.	1T2112 Black	1T2112 Black	1T2112 Black
Asymmetric screen Metal painted asymmetric screen. HIT-CE and QR111 versions complete with holder ring.	1T2259 White/Black 1T2260 Grey/Black 1T2261 Black	1T2259 White/Black 1T2260 Grey/Black 1T2261 Black	1T2259 White/Black 1T2260 Grey/Black 1T2261 Black
Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100 mm; 32 mm thick.	1T2219 Aluminium 1T2221 White 1T2220 Black	1T2219 Aluminium 1T2221 White 1T2220 Black	1T2219 Aluminium 1T2221 White 1T2220 Black
Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	1T2224+1T2219 1T2223+1T2221 1T2222+1T2220	1T2224+1T2219 Aluminium 1T2223+1T2221 White 1T2222+1T2220 Black	1T2224+1T2219 Aluminium 1T2223+1T2221 White 1T2222+1T2220 Black



Paris Copiapò Store - Copiapò, Chile.

FOHO

PROFESSIONAL PROJECTOR FOR HALOGEN AND METAL HALIDE LAMPS



COMPACT AND VERSATILE

With an essential design and extremely compact, FOHO professional projectors provide maximum flexibility of applications.

LED VERSION

FOHO expands its range with the new LED version, equipped with a latest generation high efficacy COB and dedicated convex faceted optics in metallised polycarbonate

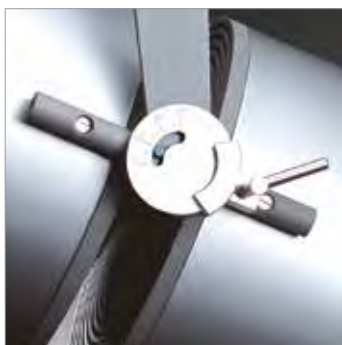
TRADITIONAL SOURCES VERSIONS







The range is completed by projectors for pre-focused halogen sources and metal halide lamps with three different beam spreads by means of professional interchangeable optics in pure aluminium.



PERFORMING AND RELIABLE

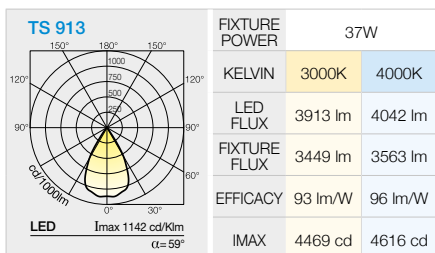
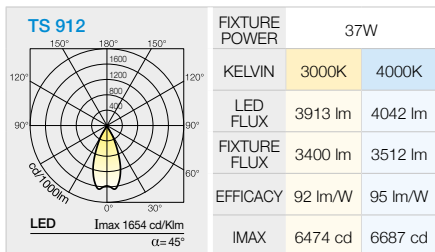
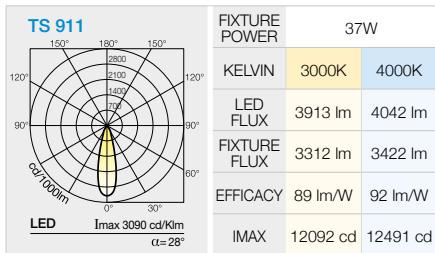
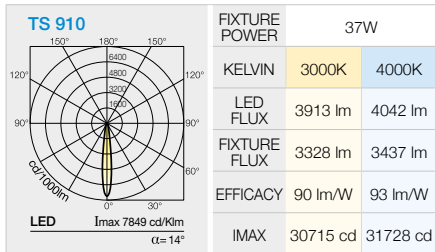
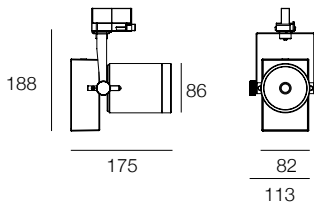
Attention to details and materials, separation between the optics and the gear compartments for a better heat dissipation. Precision locking knobs guarantee a tool free, quick and easy aiming process, stable on time



TYPE	LAMP	OPTIC			
		SP	FL	MWFL	WFL
	HIT-CE	70W 150W	70W 150W		70W 150W
	HIT-Tc-CE	35W 50W 70W	35W 50W 70W		35W 50W 70W
	QPAR30	100W	100W		
	QR-111	max 100W	max 100W		max 100W
	QR-CB51	max 50W	max 50W		max 50W
	LED	33W	33W	33W	33W











FOHO LED

Professional adjustable LED projector. Die-cast aluminium painted body with die-cast aluminium bearing structures painted. Aluminium optical body painted. Can be adjusted from 0° to -90° vertically and ±35° horizontally. LEDs with warm or neutral white emission colour temperatures (Ra 84). Precision optics in metallized polycarbonate. Blocking equipped on a vertical plane. Possibility to assemble a wide range of accessories and optic screens. Electronic ballast power factor corrected located in the rear side of the fixture.



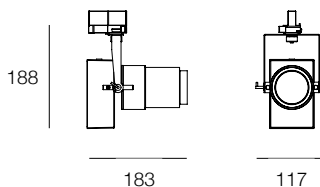
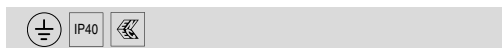
LED	LED COLOUR	COLOUR	OPTIC	POWER SUPPLY	△	CODE
33W	ww	3000K	white	SP	electronic	TS 910 1T4842EL
33W	nw	4000K	white	SP	electronic	TS 910 1T4843EL
33W	ww	3000K	white	FL	electronic	TS 911 1T4844EL
33W	nw	4000K	white	FL	electronic	TS 911 1T4845EL
33W	ww	3000K	white	MWFL	electronic	TS 912 1T4846EL
33W	nw	4000K	white	MWFL	electronic	TS 912 1T4847EL
33W	ww	3000K	white	WFL	electronic	TS 913 1T4848EL
33W	nw	4000K	white	WFL	electronic	TS 913 1T4849EL
33W	ww	3000K	black	SP	electronic	TS 910 1T4850EL
33W	nw	4000K	black	SP	electronic	TS 910 1T4851EL
33W	ww	3000K	black	FL	electronic	TS 911 1T4852EL
33W	nw	4000K	black	FL	electronic	TS 911 1T4853EL
33W	ww	3000K	black	MWFL	electronic	TS 912 1T4854EL
33W	nw	4000K	black	MWFL	electronic	TS 912 1T4855EL
33W	ww	3000K	black	WFL	electronic	TS 913 1T4856EL
33W	nw	4000K	black	WFL	electronic	TS 913 1T4857EL
33W	ww	3000K	grey	SP	electronic	TS 910 1T4858EL
33W	nw	4000K	grey	SP	electronic	TS 910 1T4859EL
33W	ww	3000K	grey	FL	electronic	TS 911 1T4860EL
33W	nw	4000K	grey	FL	electronic	TS 911 1T4861EL
33W	ww	3000K	grey	MWFL	electronic	TS 912 1T4862EL
33W	nw	4000K	grey	MWFL	electronic	TS 912 1T4863EL
33W	ww	3000K	grey	WFL	electronic	TS 913 1T4864EL
33W	nw	4000K	grey	WFL	electronic	TS 913 1T4865EL

FOHO LED ACCESSORIES

OPTICAL ACCESSORIES		
	Chromatic filters Interference flat glass filters.	Red 1T3424
		Green 1T3425
		Blue 1T3426
		Yellow 1T3427
		Magenta 1T3428
	Tone filters Interference flat glass filters to vary the colour temperature of light.	Gold 1T3431
		Cold 1T3429
		Peach 1T3430
	Blade light filter Grooved refractive glass filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.	1T3141
	Diffusive filter Microprismatic refractive flat glass filter. This softens the luminous effect.	1T3140
	Anti-glare grid Black lacquered metal honeycomb grid.	1T3423
	Cut-off Tube Allows for the beam to be focused while removing the fall-off component.	1T3142
	Zoom Allows for the beam to be manually focused and shaped into different dimensions through the use of a system of lenses, resulting in a very uniform and defined effect.	1T3432
	Asymmetric screen Metal painted asymmetric screen, to be completed with holder ring, ideal for a wall wash effect.	1T3143
	Ceiling mounting adapter Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.	Aluminium 1T2219
		White 1T2221
		Black 1T2220
	Recessed adapter Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60 mm. Recess hole diameter 105/125 mm.	Aluminium 1T2224+1T2219
		White 1T2223+1T2221
		Black 1T2222+1T2220

SMALL

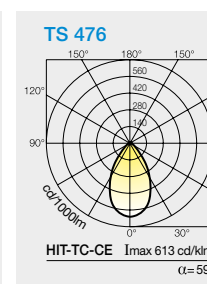
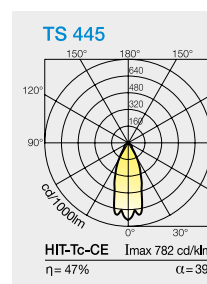
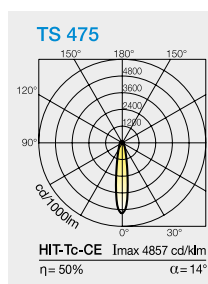
Professional projector for metal halide lamps. Die-cast aluminium painted body with die-cast aluminium bearing structures painted in titanium in the aluminium versions and same colour in the other versions. Can be adjusted from 0° to -90° vertically and 359° horizontally. Bar locking system. To be completed with precision optics that have a parabolic section presenting different profiles and finishes according to the beam angle. Transparent feeding cable. Electronic power supply located in the rear side of the fixture in order to optimise heat dissipation. Complete with borosilicate safety glass.



HIT-Tc-CE	COLOUR	POWER SUPPLY	WEIGHT	CODE
G8.5	35W Aluminium	electronic	0,8 Kg	1T2029
	35W White	electronic	0,8 Kg	1T2031
	35W Black	electronic	0,8 Kg	1T2033
	70W Aluminium	electronic	0,8 Kg	1T2030
	70W White	electronic	0,8 Kg	1T2032
	70W Black	electronic	0,8 Kg	1T2034

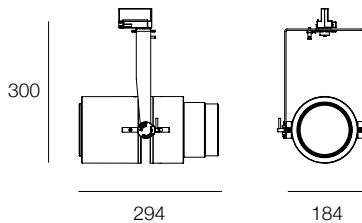


OPTIC	COLOUR	△	CODE
SP	Aluminium		TS 475 1T2044
SP	White		TS 475 1T2047
SP	Black		TS 475 1T2050
FL	Aluminium		TS 445 1T2045
FL	White		TS 445 1T2048
FL	Black		TS 445 1T2051
WFL	Aluminium		TS 476 1T2046
WFL	White		TS 476 1T2049
WFL	Black		TS 476 1T2052



BIG

Professional projector for metal halide lamps. Metal painted body with die-cast aluminium bearing structures painted in titanium in the aluminium versions and same colour in the other versions. Can be adjusted from 0° to -90° vertically and 359° horizontally. Graduated ring nut for the locking system. To be completed with precision optics that have a parabolic section presenting different profiles and finishes according to the beam angle. Transparent feeding cable. Electronic ballast power factor corrected located in the rear side of the fixture in order to optimise heat dissipation. Complete with borosilicate safety glass.

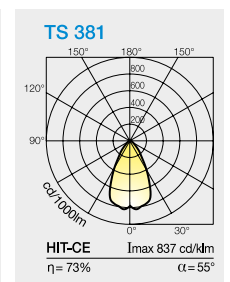
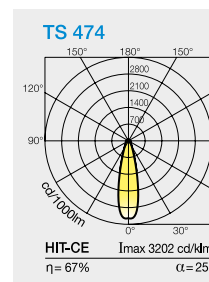
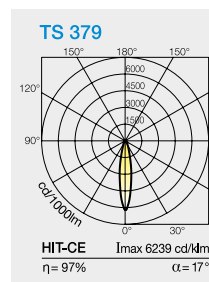


HIT-CE	COLOUR	POWER SUPPLY	WEIGHT	CODE
G12	70W Aluminium	electronic	2,1 Kg	1T3630
	70W White	electronic	2,1 Kg	1T3631
	70W Black	electronic	2,1 Kg	1T3632
	150W Aluminium	electronic	2,7 Kg	1T3633
	150W White	electronic	2,7 Kg	1T3634
	150W Black	electronic	2,7 Kg	1T3635



OPTIC	COLOUR	△	CODE
SP	Aluminium		TS 379 1T2035
SP	White		TS 379 1T2038
SP	Black		TS 379 1T2041
FL	Aluminium		TS 474 1T2036
FL	White		TS 474 1T2039
FL	Black		TS 474 1T2042
WFL	Aluminium		TS 381 1T2037
WFL	White		TS 381 1T2040
WFL	Black		TS 381 1T2043

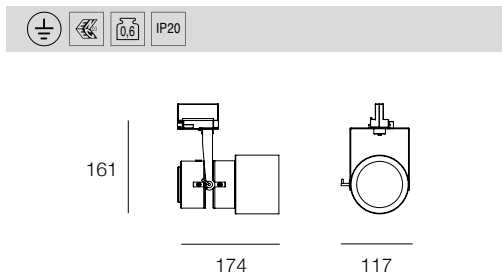
Accessories See page 302




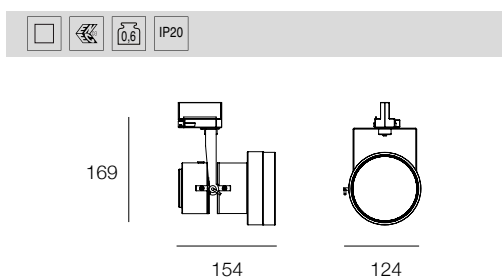
FOHO


Projector for halogen and halogen dichroic lamps.

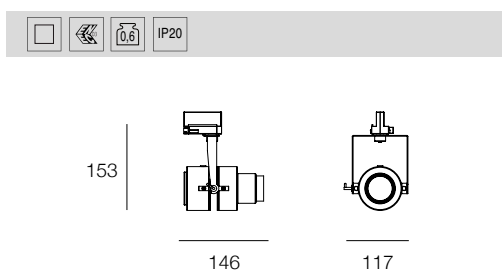
Metal painted body with die-cast aluminium bearing structures painted in titanium in the aluminium versions and same colour in the other versions. Can be adjusted from 0° to -90° vertically and 359° horizontally. Bar locking system. Transparent feeding cable. Electronic transformer located in the rear side of the fixture in order to optimise heat dissipation. QR-111 version complete with a front silicone ring that is polished black finish.




QPAR 30 		COLOUR	CODE
E27	100W	Aluminium	1T0758
	100W	White	1T0759
	100W	Black	1T1357



QR111 		COLOUR	POWER SUPPLY	CODE
G53	max 100W	Aluminium	electronic	1T0684
	max 100W	White	electronic	1T0685
	max 100W	Black	electronic	1T1359



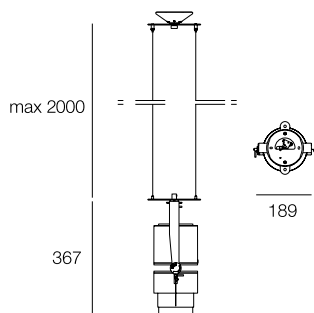
QR-CB 51 		COLOUR	POWER SUPPLY	CODE
GU5.3	max 50W	Aluminium	electronic	1T0690
	max 50W	White	electronic	1T0691
	max 50W	Black	electronic	1T1377



Accessories See page 302

FOHO SUSPENSION

Professional suspended projector for metal halide lamps. Metal painted body with die-cast aluminium bearing structures painted in titanium in the aluminium versions and same colour in the other versions. Can be adjusted from 0° to -90° vertically and 359° horizontally. Graduated double ring nut for the locking system on the projector and the ceiling rose. To be completed with interchangeable precision optics that have a parabolic section presenting different profiles and finishes according to the beam angle. Complete with borosilicate safety glass. Complete with two steel suspension cables with micrometric adjustment system and feeding cable (L. 2100 mm). Electronic ballast power factor corrected located in the rear side of the fixture in order to optimise heat dissipation.



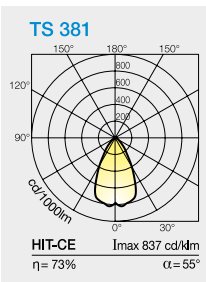
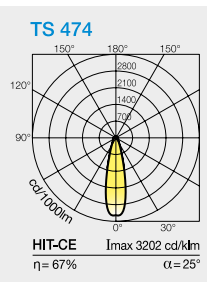
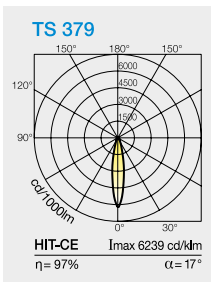
HIT-CE	COLOUR	POWER SUPPLY	WEIGHT	CODE
G12 70W	Aluminium	electronic	2,1 Kg	1T3636
70W	White	electronic	2,1 Kg	1T3637
150W	Aluminium	electronic	2,7 Kg	1T3638
150W	White	electronic	2,7 Kg	1T3639



OPTIC	COLOUR	△	CODE
SP	Aluminium		TS 379 1T2035
SP	White		TS 379 1T2038
FL	Aluminium		TS 474 1T2036
FL	White		TS 474 1T2039
WFL	Aluminium		TS 381 1T2037
WFL	White		TS 381 1T2040

Accessories See page 302







Chromatic filters and UV Stop filters

Interference filters on flat glass. UV Stop filter reduces the UV/B rays and blocks (>90%) the UV/A rays.



Corrective filters

Interference filters on flat glass to vary the colour temperature of the light.



Blade of light filter

Ribbed refractive filter on flat glass. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.



Diffusive filter

Wired refractive filter on flat glass. This softens the luminous effect.



Anti-glare grid

Honey comb structure made of metal painted black. Max 35W in the HIT-Tc-CE lamp.



Barn doors flaps

Adjustable barn doors flaps made of metal painted black.



Shaper

Adjustable highly efficient optical system with four guillotine-type shaping lamellas that can be adjusted and a removable mask.



Ceiling and wall mounted adapter ⁽¹⁾

Adapter for Eurostandard type projectors to be installed on the ceiling. Diameter is 100mm; 32mm thick.



Recessed adapter ⁽¹⁾

Adapter for a recessed installation of Eurostandard type projectors. Outer diameter is 130 mm. Recess hole depth 60mm. Recess hole diameter 105/125 mm.



⁽¹⁾ Not installable on walls if combined with the HIT-CE versions.

HIT-CE	HIT-Tc-CE	QPAR 30	QR111	QR-CB 51
--------	-----------	---------	-------	----------



49950 Red
49951 Green
49952 Blue
49953 Yellow
49954 Magenta
44180 UV Stop

1T1712 Red
1T1713 Green
1T1714 Blue
1T1715 Yellow
1T1716 Magenta
1T1710 UV Stop

Universal filters
 see page 491

49881 Red
49882 Green
49886 Blue
49887 Yellow
49959 Magenta
49880 UV Stop

49957 Sun
49956 Sunset
49958 Polar

1T1717 Sun
1T1718 Sunset
1T1719 Polar

1T1708

1T1709

1T1711
 max 35W

1T0739

1T0741

1T0742

1T2219 Aluminium
1T2221 White
1T2220 Black

1T2219 Aluminium
1T2221 White
1T2220 Black

1T2219 Aluminium
1T2221 White
1T2220 Black

Aluminium
 White
 Black

1T2219 Aluminium
1T2221 White
1T2220 Black

1T2224+1T2219 Aluminium
1T2223+1T2221 White
1T2222+1T2220 Black

1T2224+1T2219 Aluminium
1T2223+1T2221 White
1T2222+1T2220 Black

1T2224+1T2219 Aluminium
1T2223+1T2221 White
1T2222+1T2220 Black

1T2224+1T2219 Aluminium
1T2223+1T2221 White
1T2222+1T2220 Black

1T2224+1T2219 Aluminium
1T2223+1T2221 White
1T2222+1T2220 Black

COVE PROJECTOR

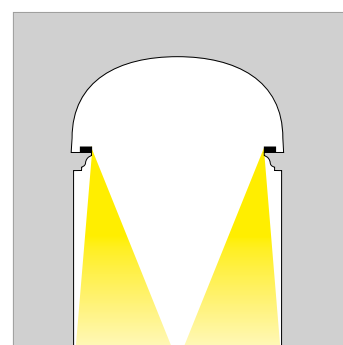
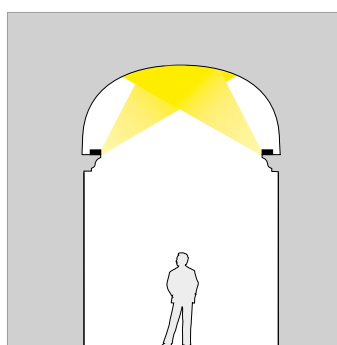
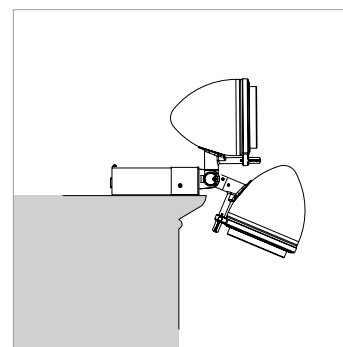
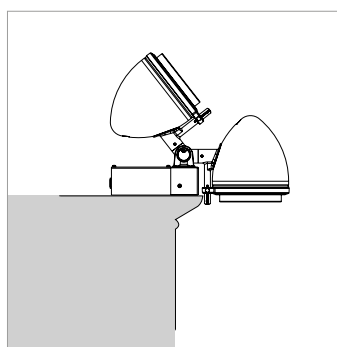
PROFESSIONAL PROJECTOR FOR METAL HALIDE LAMPS

LIGHT PROJECTED FROM CORNICICES

An adjustable spotlight for base mounted installation. The fixture's body can be easily hidden on shelving and on cornices while the separate optical body can be freely adjusted, offering extremely flexible orientation.



The fixture can be configured in two different manners so as to increase its adjustability. The joint can be positioned on top of the base, in a vertical position, in order to easily illuminate the floor, or else positioned above the base in order to illuminate ceilings and vaults.

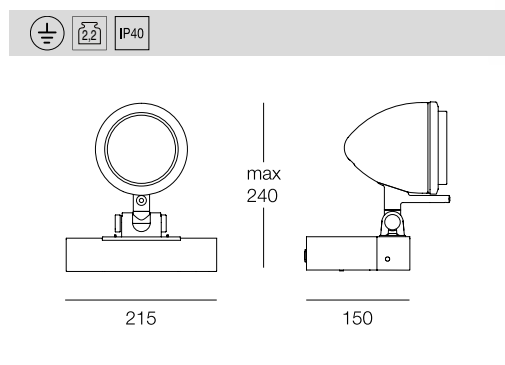




Tribuna degli Uffizi - Florence, Italy - Lighting design: Massimo Iarussi

COVE PROJECTOR

Projector for metal halide lamps. Painted metal base and fixture head with optics. Die-cast aluminum trim ring and adjustable hinges. The optics can be adjusted 359° horizontally and +/-90° vertically, with a locking system. Precision optics with a parabolic section presenting different profiles and finishes according to the beam angle. Electronic power supply separated from the optical unit in order to optimise heat dissipation. Complete with borosilicate safety glass. Set-up for the accessory holder extension bar to be mounted.



HIT-CE	OPTIC	POWER SUPPLY	COLOUR	△	CODE
G12	35W SP	electronic	Aluminium	TS 585	1T1422
	35W FL	electronic	Aluminium	TS 586	1T1423
	35W MWFL	electronic	Aluminium	TS 587	1T2555
	35W WFL	electronic	Aluminium	TS 588	1T1424
	35W SP	electronic	White	TS 585	1T1413
	35W FL	electronic	White	TS 586	1T1414
	35W MWFL	electronic	White	TS 587	1T2552
	35W WFL	electronic	White	TS 588	1T1415
	70W SP	electronic	Aluminium	TS 585	1T1425
	70W FL	electronic	Aluminium	TS 586	1T1426
	70W MWFL	electronic	Aluminium	TS 587	1T2556
	70W WFL	electronic	Aluminium	TS 588	1T1427
	70W SP	electronic	White	TS 585	1T1416
	70W FL	electronic	White	TS 586	1T1417
	70W MWFL	electronic	White	TS 587	1T2553
	70W WFL	electronic	White	TS 588	1T1418
	150W SP	electronic	Aluminium	TS 585	1T1428
	150W FL	electronic	Aluminium	TS 586	1T1429
	150W MWFL	electronic	Aluminium	TS 587	1T2557
	150W WFL	electronic	Aluminium	TS 588	1T1430
	150W SP	electronic	White	TS 585	1T1419
	150W FL	electronic	White	TS 586	1T1420
	150W MWFL	electronic	White	TS 587	1T2554
	150W WFL	electronic	White	TS 588	1T1421

ACCESSORIES



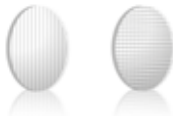
Chromatic and UV Stop filters
Interference colour filters on flat glass. Interference UV filter on flat glass to reduce the UV/B rays and block (>90%) the UV/A rays. Diameter is 106 mm. To be completed with additional holder ring and bar.

Red	49950
Green	49951
Blue	49952
Yellow	49953
Magenta	49954
UV Stop	44180



Corrective filters
Interference filters on flat glass to vary the colour temperature of the light. Diameter is 106 mm. To be completed with additional holder ring and bar.

Sun	49957
Sunset	49956
Polar	49958



Diffusive filter - Blade of light filter
Refractive filter on flat glass. Wired diffusive filter to soften the luminous effect; ribbed blade filter to ovalize the beam. Diameter is 106 mm. To be completed with additional holder ring and bar.

Diffusive	49949
Blade of light	49948



Holder ring
Painted die-cast aluminium ring. To be completed with chrome bar for ring installation.

Aluminium	45010
White	1T1738



Holder ring's bar
Chromed aluminium bar to fasten the rings.

Polished chrome	1T0291
-----------------	--------



Anti-glare grid
Honey comb structure made of black painted metal complete with holder ring. To be completed with holder ring's bar.

Aluminium	45015
White	1T1737



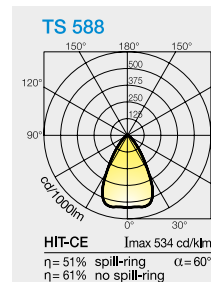
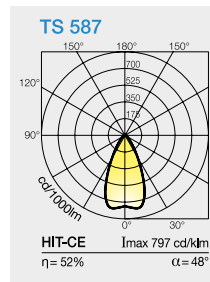
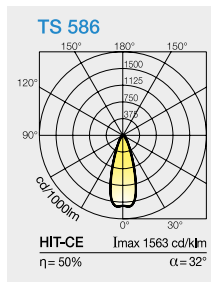
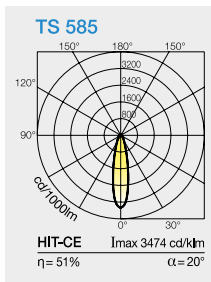
Barn doors flaps
Adjustable barn door flaps made of metal painted black complete with holder ring. To be completed with holder ring's bar.

Aluminium	1T0298
White	1T1739



Asymmetric screen
Painted metal, asymmetric screen can be adjusted up to 180° complete with holder ring. An asymmetric effect is obtained when combined with FL and WFL optics. To be completed with holder ring's bar.

Aluminium	45014
White	1T1740

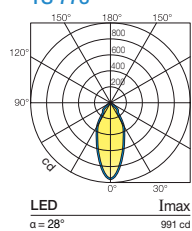


OLLY

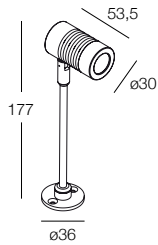
Adjustable LED projector. Aluminium body and front ring available in chalk white or deep black finish. The body has been finned to guarantee perfect heat dissipation. Adjustability of the optical unit of 360° horizontally and +/- 90° vertically. Flood emission. The fixture can be installed both horizontally and vertically. The painted aluminium bar is available in two heights. Pre-wired with 250mm of wire. Remote electronic 500mA driver available as an accessory.



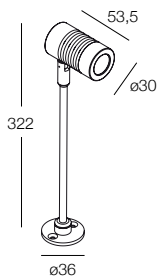
TS 773



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



LED	FINISHES	LED COLOR	CURRENT	△	CODE
5W	plaster white	ww 3000K	500mA	TS 773	1T3961
5W	deep black	ww 3000K	500mA	TS 773	1T3962



LED	FINISHES	LED COLOR	CURRENT	△	CODE
5W	plaster white	ww 3000K	500mA	TS 773	1T3959
5W	deep black	ww 3000K	500mA	TS 773	1T3960

REMOTE POWER SUPPLY (LxHxP)

500mA



Electronic power supply 100-240V 50/60Hz

[1T3966](#)

Allows to feed up to 4 fixtures connected in series in constant current.

OPTICAL ACCESSORIES



Blade light filter

Holographic filter. This makes the beam take on an oval shape and when combined with narrow beams, the light blade appears more prominent.

[1T3963](#)

EUROSTANDARD 230V TRACK



Magasin Rossignol - Centre Commercial Claves - Sous Bois - Project: Naço Architectures. Photographer: Jordane BODIN

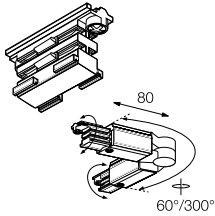
Electrified track in extruded aluminium, epoxy powder paint finished. Rectangular section with asymmetric profile for the correct connection of modules. Four conductors in copper 4 mm² (three phases and one neutral max 16A), insulated in PVC. Earth conductor 4 mm² incorporated in the extrusion. Separate switching possible for three circuits. Available in the recessed version with lateral fins for ceiling mounting. To be used with projectors equipped with Eurostandard adapters. Maximum charge 3.6kW for each feeding unit.



MODULES		L 1000 mm	L 2000 mm	L 3000 mm
	STANDARD	White N55001	N55002	N55003
		Black N55101	N55102	N55103
		Aluminium N55201	N55202	N55203
	RECESSED	White N56001	N56002	N56003
		Black N56101	N56102	N56103
		Aluminium N56201	N56202	N56203
	COVER PROFILE	White		N55011
	DEAD END	White N55023		
		Black N55123		

EUROSTANDARD 230V TRACK

CONNECTORS



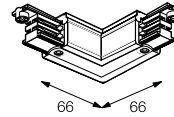
STRAIGHT

White **N55024**
Black **N55124**

CURVE

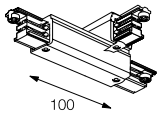
Can be used as power supply.

White **N55040**
Black **N55140**



"L" CONNECTOR White sx **N55043A**
External
Can be used as power supply. Black sx **N55143A**

"L" CONNECTOR White dx **N55043B**
Internal
Can be used as power supply. Black dx **N55143B**



"T" CONNECTOR

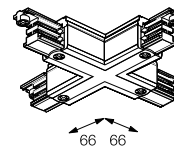
External
Can be used as power supply.

White dx **N55042A**
Black dx **N55142A**
White sx **N55042C**
Black sx **N55142C**

"T" CONNECTOR

Internal
Can be used as power supply.

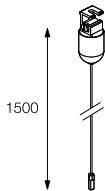
White sx **N55042B**
Black sx **N55142B**
White dx **N55042D**
Black dx **N55142D**



White **N55044**

"X" CONNECTOR
External
Can be used as power supply. Black **N55144**

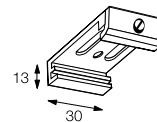
MOUNTING SYSTEMS



SUSPENSION

Steel suspension cable.
Max load 20Kg.
To be completed with dedicated suspension bracket.

White **N55037**
Black **N55137**



CEILING MOUNTING BRACKET

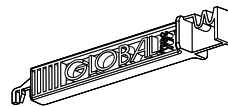
White **N55027**
Black **N55127**
Aluminium **N55227**



SUSPENSION BRACKET

Max load 20kg.

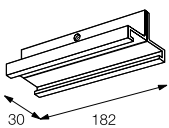
White **N55039**
Black **N55139**



TOOL

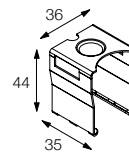
Tool for bending conductors, to be used if it's necessary to cut the track during the installation.

N55015



RIGID SUPPORT BRACKET

White **N55082**
Aluminium **N55282**

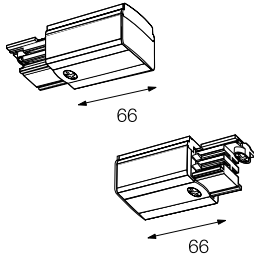


STRAIGHT COUPLER FOR STABILITY

For projectors with Euro standard joints

White **1T4204**
Black **1T4263**
Aluminium **1T4200**

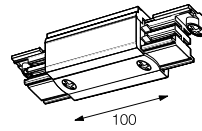
POWER SUPPLIES



LATERAL
Left live end

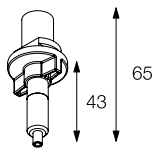
LATERAL
Right live end

- White **N55022A**
- Black **N55122A**
- White **N55022B**
- Black **N55122B**



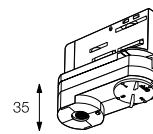
CENTRAL

- White **N55020**
- Black **N55120**



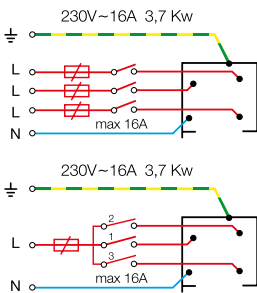
ADAPTER FOR SUSPENSION
Adapter for track mounting of suspension luminaires with steel cable.

- White **1T2505**
- Black **1T2506**



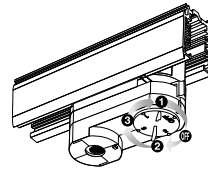
ADAPTER FOR POWER SUPPLY
Allows the power supply from Eurostandard track.

- White **N55021**
- Black **N55121**

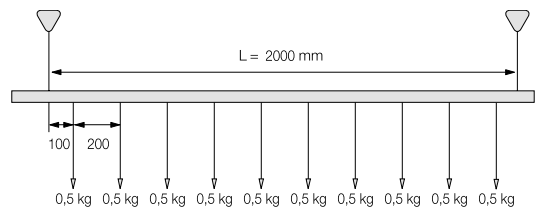
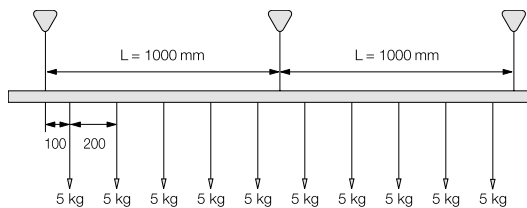


CIRCUITS

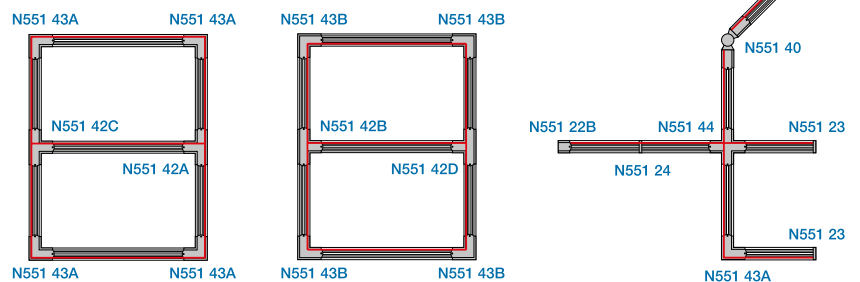
Eurostandard can separately combine up to 3 circuits for a maximum of 16A. The three circuits can be combined thanks to the integrated selector on the adapter.



The mechanical carrying capacity of the track is 5kg or 0.5kg every 200 mm of length, in the event that the maximum distance between one suspension point and another is, respectively, 1000 mm or 2000 mm.



The lateral positioning of the earth line renders the structure of the track asymmetrical; this makes line connection easier, but particular attention should be paid to the choice of connectors, all available in either right or left versions, according to the position of the earth contact. The following diagrams show some possible configurations with the relevant codes.



EUROSTANDARD PLUS



EUROSTANDARD PLUS are 6 circuit electric tracks that incorporate all the functions of the various types of tracks on the market today in just one product. This ensures the possibility to upgrade to intelligent lighting systems even after initial installation and is also the best technology on the market for controllable lighting systems.

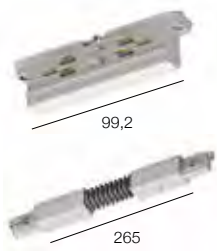
Eurostandard Plus track. System is a 3 phase mixed system with two additional conductors intended to manage a general data signal (for example DALI, DMX). Electrified track in three lengths (L=1000mm, L=2000mm, L=3000mm) in extruded anodized aluminum or in extruded painted aluminium available in two colours: white or black. Conductors in copper insulated in PVC. There are three possible installation systems: directly on false ceiling (using the needlepoints on the track and the suspension kit), on ceiling using a metal clip or hanging by a mounting kit. Frequency: 50Hz. Rated current and voltage: L1/L2/L3/N/ground 16A/440V + D+/D- 2x1A/50V FELV AC (DALI). Phase / phases power: 3,6kVA / 10,8kVA.



MODULES		L 1000 mm	L 2000 mm	L 3000 mm
<p>37,8</p> <p>31,4</p> <p>STANDARD</p>	White	9000-1/W-ST	9000-2/W-ST	9000-3/W-ST
	Black	9000-1/B-ST	9000-2/B-ST	9000-3/B-ST
	Aluminium	9000-1/G-ST	9000-2/G-ST	9000-3/G-ST
<p>37,8</p> <p>52</p> <p>RECESSED</p>	White	9000-1/W-R	9000-2/W-R	9000-3/W-R
	Black	9000-1/B-R	9000-2/B-R	9000-3/B-R
	Aluminium	9000-1/G-R	9000-2/G-R	9000-3/G-R
<p>37,8</p> <p>31,4</p> <p>DEAD END</p>	White	9004/W		
	Black	9004/B		

EUROSTANDARD PLUS

JOINTS



LINEAR
White **9003/W**
Black **9003/B**

FLEXIBLE
White **9018/W**
Black **9018/B**



"L" JOINT
Internal polarity
White **9011/W**
Black **9011/B**

"L" JOINT
External polarity
White **9012/W**
Black **9012/B**



"T" JOINT
External polarity
White left **9013/W**
Black left **9013/B**
White right **9014/W**
Black right **9014/B**

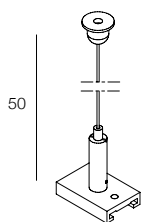
"T" JOINT
Internal polarity
White left **9015/W**
Black left **9015/B**
White right **9016/W**
Black right **9016/B**



White **9017/W**

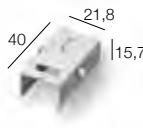
"X" JOINT
Black **9017/B**

MOUNTING SYSTEMS



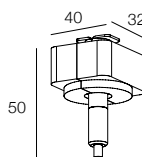
SUSPENSION
Steel suspension cable.
Max load 20Kg.
To be completed with dedicated suspension bracket.

S-9000KIT



CEILING MOUNTING BRACKET

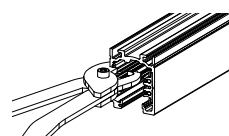
S-9000/111



SUSPENSION BRACKET
Max load 20kg.

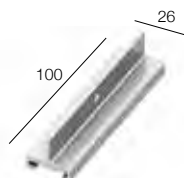
White **S-9000/M-W-KIT**

Black **S-9000/M-B-KIT**



TOOL
Tool for shearing conductors, to be used if it's necessary to cut the track during the installation.

S-9000/T



RIGID SUPPORT BRACKET

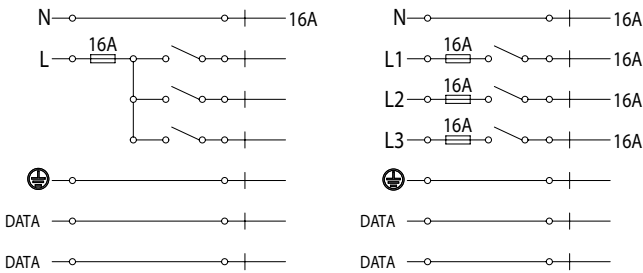
S-9000/123

POWER SUPPLIES

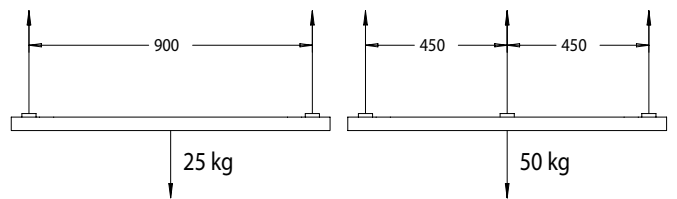
	LATERAL Polarity on the right	White 9001/W		CENTRAL	White 9010/W
		Black 9001/B			Black 9010/B
	LATERAL Polarity on the left	White 9002/W		CENTRAL	Black 9010/B
		Black 9002/B			

ELECTRICAL SCHEME

During the wiring the electrical scheme of picture must be followed.

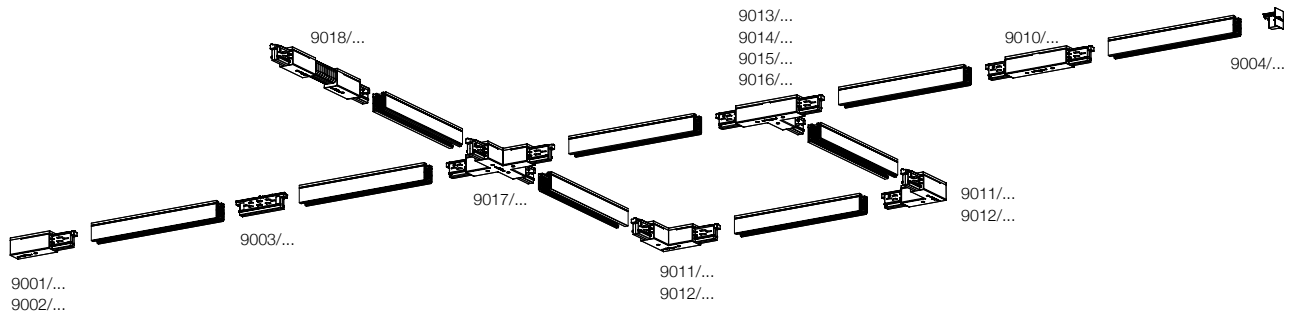


LOAD SCHEME

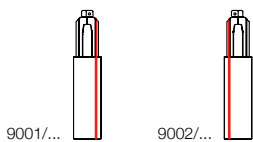


INSTALLATION

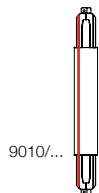
There is a polarity on the lighting track to guarantee the right connection of the multiple pieces of the track. Also end-feeds and connection joints have a polarity that must be taken into account in order to choose the right component. In the catalogue sketches of this articles, the position of the polarity is highlighted with a red line.



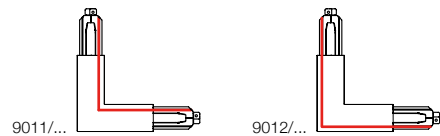
LATERAL POWER SUPPLIES



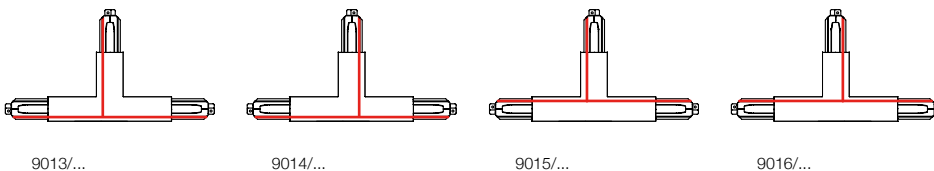
CENTRAL POWER SUPPLIES



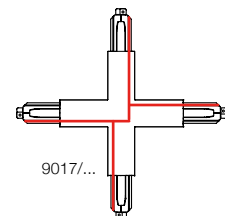
"L" JOINT



"T" JOINT



"X" JOINT



Top view.

ARCHITECTURAL CEILING AND SUSPENSION

CCTLed TUBE



V2L2 MILESTONE - Vienna, Austria. Project: Weichenberger

ONE PLATFORM, INFINITE SOLUTIONS

The option of selecting between the different forms of installation: ceiling, suspension, wall and track together with the different power and optic solutions, allows for use of the same fixture within an entire project, particularly when combined with the recessed CCTLed versions: a uniform quality effect with different installation solutions.

SUSPENSION, CEILING AND WALL MOUNTED LED FIXTURE



CCTLed TUBE

Diameter

Ø 180mm

height

H. 250mm SMART, TECH, FEEL versions
H. 291mm DEEP version

Mounting

Suspension, Wall mounted, Ceiling, Track

Fixture's luminous flux (3000K)

SMART 22W > 2100lm 30W > 2800lm

TECH 22W > 2000lm 30W > 2700lm

FEEL 22W > 1400lm

DEEP 37W > 3000lm

Color temperature

3000K, 4000K

Optics

SMART, TECH, FEEL, DEEP

FOUR OPTIC SOLUTIONS

The optic solutions are the same as in the recessed "downlight" version: SMART, TECH, FEEL and the DEEP high performing version - optic solutions for the most different environments, from retail and hospitality to offices, with the DEEP optic for heights up to 12 meters.

CCTLed TUBE



A PROFESSIONAL PROGRAM

CCTLed TUBE is the LED solution for surface installations. Three power options, two colour temperatures, four optic solutions (SMART, TECH, FEEL and DEEP), each available in different power source and installation options. This is the CCTLed TUBE program which combines perfectly with the recessed CCTLed versions.





QUALITY DETAILS

Small details which tell of the attention and care taken in the design of a quality LED product. Following the current interior design trends, the aluminum body is lacquered in a plaster white finish. The ring included has a squared off profile but can easily be substituted with other rounded accessory rings. The TECH version, for example, can be completed with the extra large ring for a decidedly "smooth" finish, the space between body and ring lightening the overall look.

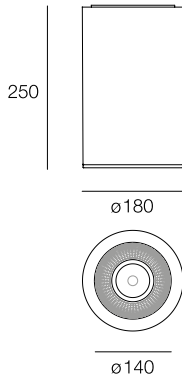
SMART

Ceiling-mounted, pendant, wall-mounted or track-mounted luminaire for high output LED sources.

Plaster-white painted aluminium body. Plaster-white painted polycarbonate decorative squared ring. Black painted die-cast aluminium internal frame and heat sink. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request. Precision flood optic available in faceted version with high reflectance mirror finish or smooth with high reflectance matt finish. Polycarbonate micro-prismatic refractor. Luminaire suitable for installation in workplaces (UGR<22). To be completed with mounting system for for wall, ceiling, suspended or track-mounted installations. Passive heat dissipation system. Driver integrated in luminaire body, available in versions: basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3 hour battery pack.



TS 657		FIXTURE POWER		22W		TS 658		FIXTURE POWER		22W	
<p>LED I_{max} 691 cd/Klm α=72°</p>	KELVIN	3000K	4000K	KELVIN	3000K	4000K	<p>LED I_{max} 592 cd/Klm α=82°</p>	KELVIN	3000K	4000K	
	LED FLUX	2521 lm	2604 lm	LED FLUX	2521 lm	2604 lm					
	FIXTURE FLUX	2138 lm	2208 lm	FIXTURE FLUX	2174 lm	2246 lm					
	EFFICACY	97 lm/W	100 lm/W	EFFICACY	99 lm/W	102 lm/W					
	IMAX	1741 cd	1793 cd	IMAX	1492 cd	1537 cd					
TS 654		FIXTURE POWER		30W		TS 653		FIXTURE POWER		30W	
<p>LED I_{max} 690 cd/Klm α=72°</p>	KELVIN	3000K	4000K	KELVIN	3000K	4000K	<p>LED I_{max} 596 cd/Klm α=82°</p>	KELVIN	3000K	4000K	
	LED FLUX	3351 lm	3462 lm	LED FLUX	3351 lm	3462 lm					
	FIXTURE FLUX	2842 lm	2936 lm	FIXTURE FLUX	2890 lm	2986 lm					
	EFFICACY	95 lm/W	98 lm/W	EFFICACY	96 lm/W	99 lm/W					
	IMAX	2312 cd	2381 cd	IMAX	1999 cd	2059 cd					



LED	OPTICS	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
18W	facetted	electronic	WW 3000K	2,0 Kg	TS 658	1T3162
18W	facetted	electronic	NW 4000K	2,0 Kg	TS 658	1T3163
18W	matt	electronic	WW 3000K	2,0 Kg	TS 657	1T3164
18W	matt	electronic	NW 4000K	2,0 Kg	TS 657	1T3165
18W	facetted	dimmmable DALI	WW 3000K	2,0 Kg	TS 658	1T3182
18W	facetted	dimmmable DALI	NW 4000K	2,0 Kg	TS 658	1T3183
18W	matt	dimmmable DALI	WW 3000K	2,0 Kg	TS 657	1T3184
18W	matt	dimmmable DALI	NW 4000K	2,0 Kg	TS 657	1T3185
18W	facetted	electr. with emergency	WW 3000K	2,5 Kg	TS 658	1T3202
18W	facetted	electr. with emergency	NW 4000K	2,5 Kg	TS 658	1T3203
18W	matt	electr. with emergency	WW 3000K	2,5 Kg	TS 657	1T3204
18W	matt	electr. with emergency	NW 4000K	2,5 Kg	TS 657	1T3205
18W	facetted	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 658	1T3222
18W	facetted	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 658	1T3223
18W	matt	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 657	1T3224
18W	matt	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 657	1T3225
25W	facetted	electronic	WW 3000K	2,0 Kg	TS 653	1T3174
25W	facetted	electronic	NW 4000K	2,0 Kg	TS 653	1T3175
25W	matt	electronic	WW 3000K	2,0 Kg	TS 654	1T3176
25W	matt	electronic	NW 4000K	2,0 Kg	TS 654	1T3177
25W	facetted	dimmmable DALI	WW 3000K	2,0 Kg	TS 653	1T3194
25W	facetted	dimmmable DALI	NW 4000K	2,0 Kg	TS 653	1T3195
25W	matt	dimmmable DALI	WW 3000K	2,0 Kg	TS 654	1T3196
25W	matt	dimmmable DALI	NW 4000K	2,0 Kg	TS 654	1T3197
25W	facetted	electr. with emergency	WW 3000K	2,5 Kg	TS 653	1T3214
25W	facetted	electr. with emergency	NW 4000K	2,5 Kg	TS 653	1T3215
25W	matt	electr. with emergency	WW 3000K	2,5 Kg	TS 654	1T3216
25W	matt	electr. with emergency	NW 4000K	2,5 Kg	TS 654	1T3217
25W	facetted	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 653	1T3234
25W	facetted	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 653	1T3235
25W	matt	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 654	1T3236
25W	matt	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 654	1T3237

All lighting fixtures have to be completed with mounting system, see page 332

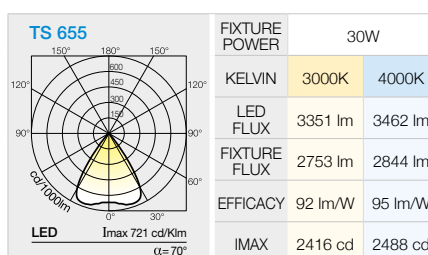
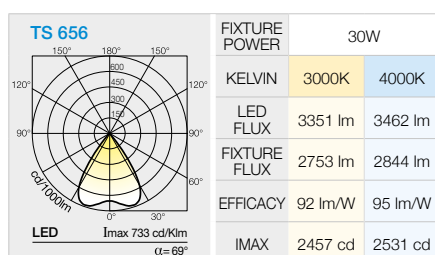
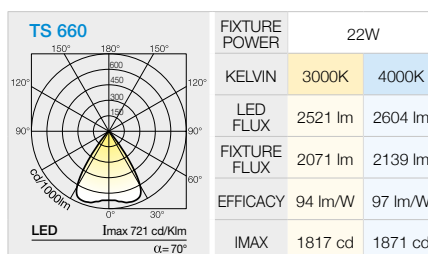
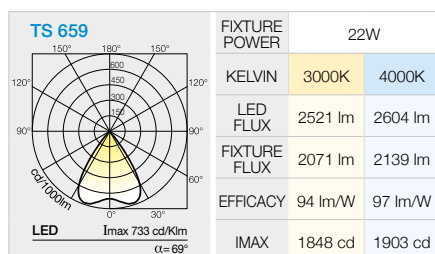
Accessories See page 333

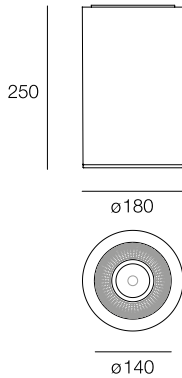
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

TECH

Ceiling-mounted, pendant, wall-mounted or track-mounted luminaire for high output LED lamps.

Plaster-white painted aluminium body. Plaster-white painted polycarbonate decorative squared ring. Black painted die-cast aluminium internal frame and heat sink. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request. Optical system made up of a double reflector: primary reflector low luminance, faceted with high reflectance mirror finish and diffusing matt outer treatment; secondary reflector with mirror or matt finish for a decorative lighting effect. Polycarbonate micro-prism refractor. Luminaire suitable for installation in workplaces where video terminals are used, in conformity with EN12464 (UGR<19). To be completed with mounting system for for wall, ceiling, suspended or track-mounted installations. Passive heat dissipation system. Driver integrated in luminaire body, available in versions: basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3hour battery pack.





LED	OPTICS	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
18W	facetted	electronic	WW 3000K	2,0 Kg	TS 660	1T3166
18W	facetted	electronic	NW 4000K	2,0 Kg	TS 660	1T3167
18W	matt	electronic	WW 3000K	2,0 Kg	TS 659	1T3168
18W	matt	electronic	NW 4000K	2,0 Kg	TS 659	1T3169
18W	facetted	dimmmable DALI	WW 3000K	2,0 Kg	TS 660	1T3186
18W	facetted	dimmmable DALI	NW 4000K	2,0 Kg	TS 660	1T3187
18W	matt	dimmmable DALI	WW 3000K	2,0 Kg	TS 659	1T3188
18W	matt	dimmmable DALI	NW 4000K	2,0 Kg	TS 659	1T3189
18W	facetted	electr. with emergency	WW 3000K	2,5 Kg	TS 660	1T3206
18W	facetted	electr. with emergency	NW 4000K	2,5 Kg	TS 660	1T3207
18W	matt	electr. with emergency	WW 3000K	2,5 Kg	TS 659	1T3208
18W	matt	electr. with emergency	NW 4000K	2,5 Kg	TS 659	1T3209
18W	facetted	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 660	1T3226
18W	facetted	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 660	1T3227
18W	matt	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 659	1T3228
18W	matt	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 659	1T3229
25W	facetted	electronic	WW 3000K	2,0 Kg	TS 655	1T3178
25W	facetted	electronic	NW 4000K	2,0 Kg	TS 655	1T3179
25W	matt	electronic	WW 3000K	2,0 Kg	TS 656	1T3180
25W	matt	electronic	NW 4000K	2,0 Kg	TS 656	1T3181
25W	facetted	dimmmable DALI	WW 3000K	2,0 Kg	TS 655	1T3198
25W	facetted	dimmmable DALI	NW 4000K	2,0 Kg	TS 655	1T3199
25W	matt	dimmmable DALI	WW 3000K	2,0 Kg	TS 656	1T3200
25W	matt	dimmmable DALI	NW 4000K	2,0 Kg	TS 656	1T3201
25W	facetted	electr. with emergency	WW 3000K	2,5 Kg	TS 655	1T3218
25W	facetted	electr. with emergency	NW 4000K	2,5 Kg	TS 655	1T3219
25W	matt	electr. with emergency	WW 3000K	2,5 Kg	TS 656	1T3220
25W	matt	electr. with emergency	NW 4000K	2,5 Kg	TS 656	1T3221
25W	facetted	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 655	1T3238
25W	facetted	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 655	1T3239
25W	matt	dimmm. DALI with emerg.	WW 3000K	2,5 Kg	TS 656	1T3240
25W	matt	dimmm. DALI with emerg.	NW 4000K	2,5 Kg	TS 656	1T3241

All lighting fixtures have to be completed with mounting system, see page 332

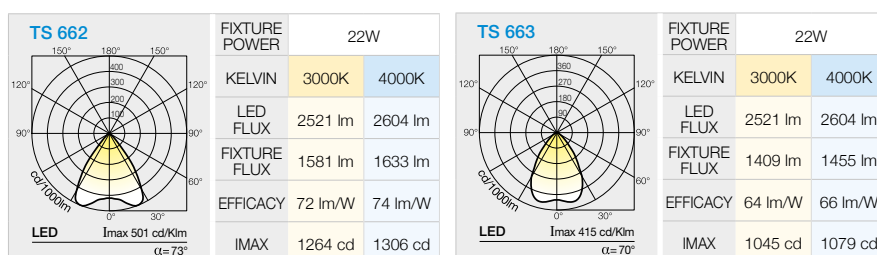
Accessories See page 333

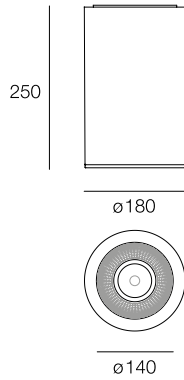
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

FEEL

Ceiling-mounted, pendant, wall-mounted or track-mounted luminaire for high output LED lamps.

Plaster-white painted aluminium body. Plaster-white painted polycarbonate decorative squared ring. Black painted die-cast aluminium internal frame and heat sink. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request Optical system consists of flood reflector available in faceted high reflectance mirror finish or high reflectance matt finish version, micro-prismatic refractor and a metallised parabolic cusp complete with shielding plate for a totally indirect light emission. Luminaire suitable for installation in workplaces where Display Screen Equipment is used, in conformity with EN12464-1 (UGR<19). To be completed with mounting system for for wall, ceiling, suspended or track-mounted installations. Passive heat dissipation system. Driver integrated in luminaire body, available in versions: basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3 hour battery pack.





LED	OPTICS	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
18W	facetted	electronic	WW 3000K	2,0 Kg	TS 662	1T3170
18W	facetted	electronic	NW 4000K	2,0 Kg	TS 662	1T3171
18W	matt	electronic	WW 3000K	2,0 Kg	TS 663	1T3172
18W	matt	electronic	NW 4000K	2,0 Kg	TS 663	1T3173
18W	facetted	dimnable DALI	WW 3000K	2,0 Kg	TS 662	1T3190
18W	facetted	dimnable DALI	NW 4000K	2,0 Kg	TS 662	1T3191
18W	matt	dimnable DALI	WW 3000K	2,0 Kg	TS 663	1T3192
18W	matt	dimnable DALI	NW 4000K	2,0 Kg	TS 663	1T3193
18W	facetted	electr. with emergency	WW 3000K	2,5 Kg	TS 662	1T3210
18W	facetted	electr. with emergency	NW 4000K	2,5 Kg	TS 662	1T3211
18W	matt	electr. with emergency	WW 3000K	2,5 Kg	TS 663	1T3212
18W	matt	electr. with emergency	NW 4000K	2,5 Kg	TS 663	1T3213
18W	facetted	dim. DALI with emerg.	WW 3000K	2,5 Kg	TS 662	1T3230
18W	facetted	dim. DALI with emerg.	NW 4000K	2,5 Kg	TS 662	1T3231
18W	matt	dim. DALI with emerg.	WW 3000K	2,5 Kg	TS 663	1T3232
18W	matt	dim. DALI with emerg.	NW 4000K	2,5 Kg	TS 663	1T3233

All lighting fixtures have to be completed with mounting system, see page 332

Accessories See page 333

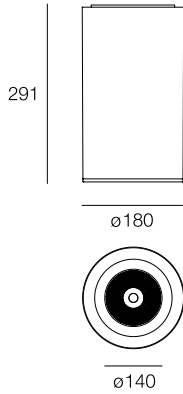
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

DEEP

High performance luminaire for ceiling-mounting, pendant-style suspension, wall-mounting or track-mounting for high output LED lamps. Plaster-white painted aluminium body. Plaster-white painted polycarbonate decorative squared ring. Die-cast aluminium internal frame and heat sink. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request. Optical system consists of lower reflector made of polished metallized polycarbonate and precision very low luminance optic with convex facets and high reflectance mirror finish made of metallized polycarbonate with "Scratch Proof Formula" treatment available in Spot and Flood versions. (UGR<19). To be completed with mounting system for for wall, ceiling, suspended or track-mounted installations. Passive heat dissipation system. Driver integrated in luminaire body, available in versions: basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3 hour battery pack.



TS 708		FIXTURE POWER		37W		TS 709		FIXTURE POWER		37W	
<p>LED $I_{max} 5597 \text{ cd/Klm}$ $\alpha=21^\circ$</p>	KELVIN	3000K	4000K	<p>LED $I_{max} 2537 \text{ cd/Klm}$ $\alpha=33^\circ$</p>	KELVIN	3000K	4000K				
	LED FLUX	3981 lm	4113 lm		LED FLUX	3981 lm	4113 lm				
	FIXTURE FLUX	3162 lm	3267 lm		FIXTURE FLUX	3091 lm	3194 lm				
	EFFICACY	85 lm/W	88 lm/W		EFFICACY	83 lm/W	86 lm/W				
	IMAX	22283 cd	23022 cd		IMAX	10100 cd	10435 cd				









LED	OPTICS	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
33W	SP	electronic	WW 3000K	2,1 Kg	TS 708	1T3433
33W	SP	electronic	NW 4000K	2,1 Kg	TS 708	1T3434
33W	FL	electronic	WW 3000K	2,1 Kg	TS 709	1T3435
33W	FL	electronic	NW 4000K	2,1 Kg	TS 709	1T3436
33W	SP	dimnable DALI	WW 3000K	2,1 Kg	TS 708	1T3437
33W	SP	dimnable DALI	NW 4000K	2,1 Kg	TS 708	1T3438
33W	FL	dimnable DALI	WW 3000K	2,1 Kg	TS 709	1T3439
33W	FL	dimnable DALI	NW 4000K	2,1 Kg	TS 709	1T3440
33W	SP	electr. with emergency	WW 3000K	2,6 Kg	TS 708	1T3441
33W	SP	electr. with emergency	NW 4000K	2,6 Kg	TS 708	1T3442
33W	FL	electr. with emergency	WW 3000K	2,6 Kg	TS 709	1T3443
33W	FL	electr. with emergency	NW 4000K	2,6 Kg	TS 709	1T3444
33W	SP	dim. DALI with emerg.	WW 3000K	2,6 Kg	TS 708	1T3445
33W	SP	dim. DALI with emerg.	NW 4000K	2,6 Kg	TS 708	1T3446
33W	FL	dim. DALI with emerg.	WW 3000K	2,6 Kg	TS 709	1T3447
33W	FL	dim. DALI with emerg.	NW 4000K	2,6 Kg	TS 709	1T3448





All lighting fixtures have to be completed with mounting system, see page 332

Accessories See page 333

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

MOUNTING SYSTEMS

	Eurostandard kit	Eurostandard track kit.	1T0130
		Eurostandard track kit suspension.	1T3242
	Ceiling mounting kit	electr./electr. emergency	1T0123
		dim. DALI	1T0123DA
		Dali emergency	1T3243
	Suspension kit L max 1000 mm	electr./electr. emergency	1T0124
		dim. DALI	1T0124DA
		Dali emergency	1T3244
	Double suspension kit L max 2000 mm	electr./electr. emergency	1T3245
		dim. DALI	1T3246
		Dali emergency	1T3247
	Wall mounting kit	electr./electr. emergency	1T3449
		dim. DALI	1T3450
		Dali emergency	1T3451
	Wall mounting kit for double emission	electronic/electronic with emergency	1T3452
		dim. DALI	1T3453
		Dali emergency	1T3454

RINGS			
	Rounded ring	Plaster white	1T3248
	Squared ring with microprismatic diffusive screen	Plaster white	1T3249
	Squared ring with silk screen printed	Plaster white	1T3250
	XL ring For versions TECH and DEEP	Plaster white	1T3251



Florence Airport - Florence, Italy

SUSPENSION, CEILING AND WALL MOUNTED FIXTURE FOR COMPACT FLUORESCENT AND METAL HALIDE LAMPS

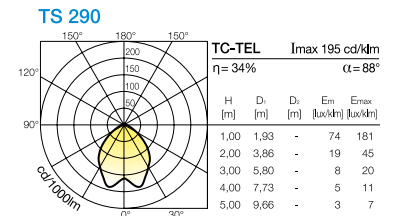
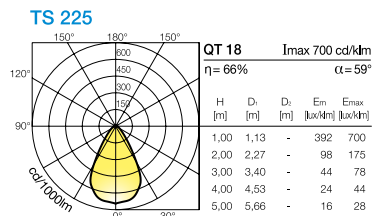
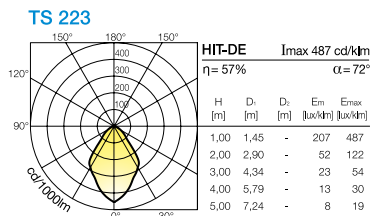
UNIQUE DESIGN, WIDE SELECTION

A unique design for multiple architectural solutions, with a wide range of available light sources and various installation possibilities. Each fixture can be combined with different installation systems: ceiling-mounted, suspended, wall-mounted and track mounted, distinguishing each space with its clean design and transparent ring, which becomes illuminated together with the lamp.



VARIOUS EFFECTS

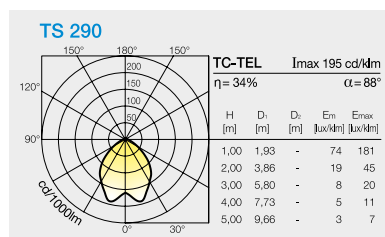
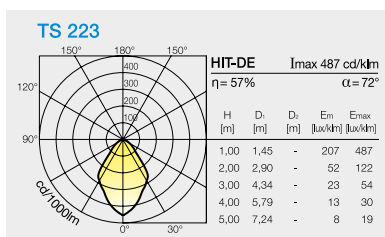
Different professional optics according to different light sources; each version has a recessed lamp with an internal black ring for glare control.



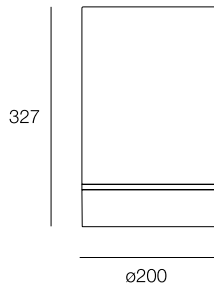
DESE

Ceiling, suspended, wall or track mounted fixture for compact fluorescent and metal halide lamps.

Painted aluminium body and bayonet connection end collar made of polycarbonate with an anti-glare black internal section. Transparent polycarbonate ring that can be replaced with coloured rings available as accessories. Aluminium precision optics with different profiles and finishes depending on the type of source. To be completed with wall, ceiling, suspension or track mounting systems. Integrated magnetic power factor corrected, electronic, DALI dimmable or permanent emergency power supply.



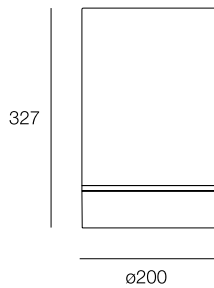
IP20



TC-TEL		POWER SUPPLY	COLOUR	WEIGHT	△	CODE
GX24q-3	26/32W	electronic	aluminium	3,1 Kg	TS 290	1T0145
	26/32W	dimnable DALI	aluminium	3,1 Kg	TS 290	1T0145DA
	26/32W	emergency	aluminium	3,6 Kg	TS 290	1T0146
	26/32W	electronic	white	3,1 Kg	TS 290	1T0141
	26/32W	dimnable DALI	white	3,1 Kg	TS 290	1T0141DA
	26/32W	emergency	white	3,6 Kg	TS 290	1T0142
GX24q-5	57W	electronic	aluminium	3,1 Kg	TS 290	1T0151
	57W	emergency	aluminium	3,6 Kg	TS 290	1T0152
	57W	electronic	white	3,1 Kg	TS 290	1T0147
	57W	emergency	white	3,6 Kg	TS 290	1T0148

To be completed with mounting system. The degree of protection reaches IP40 with the protection glass

IP40



HIT-DE		POWER SUPPLY	COLOUR	WEIGHT	△	CODE
RX7s	70W	magnetic	aluminium	4,9 Kg	TS 223	1T0137
	70W	magnetic	white	4,9 Kg	TS 223	1T0135
	150W	magnetic	aluminium	5,2 Kg	TS 223	1T0140
	150W	magnetic	white	5,2 Kg	TS 223	1T0138

To be completed with mounting system. Complete with magnetic ballast inserted in the fixture's body.

MOUNTING SYSTEMS

		Eurostandard track kit	white	1T0130
			black	1T0131
		Ceiling mounting kit	electr./electr. emergency	1T0123
			dim. DALI	1T0123DA
		Suspension kit L max 1000 mm	white electr./electr. emergency	1T0124
			white dim. DALI	1T0124DA
			aluminium electr./electr. emergency	1T0126
			aluminium dim. DALI	1T0126DA
		Double suspension kit L max 2000 mm	white electr./electr. emergency	1T2076
			white dim. DALI	1T2076DA
			aluminium electr./electr. emergency	1T2078
			aluminium dim. DALI	1T2078DA
		Wall mounting kit	white electr./electr. emergency	1T0127
			white dim. DALI	1T0127DA
			aluminium electr./electr. emergency	1T0129
			aluminium dim. DALI	1T0129DA

ACCESSORIES



Polycarbonate bezels.
Ø 200 mm

transparent

[Y00043](#)



UV Stop filter

[Y00029](#)

IP40



Safety glass for
TC-TEL

[Y00032](#)

BeBOP

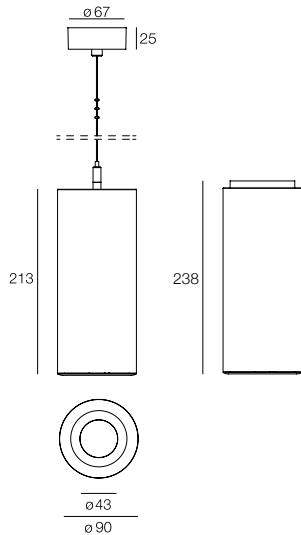
LED SUSPENSION AND CEILING MOUNTED FOR DIRECT LIGHT



LED pendant and ceiling mounted for direct diffuse lighting. Plaster-white painted aluminium body. Plasterwhite painted polycarbonate front element. Die-cast aluminium finned internal heat sink. Optic system consists of extremely high efficiency specular anodized aluminium reflector and PMMA diffuse screen integrated. Suspended version complete with 2000 mm long steel suspension cable with micrometric adjustment system. Electronic driver built into the luminaire body. White power cable complete with coordinated canopy.



CEILING MOUNTED

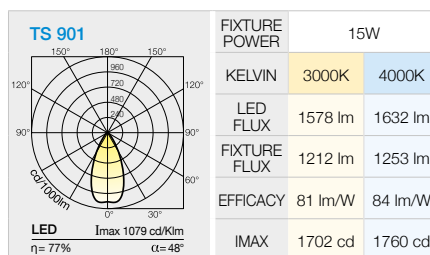
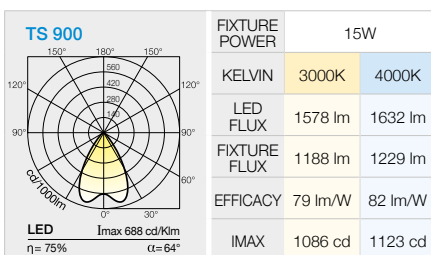


LED	OPTIC	LED COLOUR	POWER SUPPLY	△	CODE
13W	MWFL	WW 3000K	electronic	TS 901	1T4768EL
13W	MWFL	NW 4000K	electronic	TS 901	1T4769EL
13W	WFL	WW 3000K	electronic	TS 900	1T4766EL
13W	WFL	NW 4000K	electronic	TS 900	1T4767EL

SUSPENSION

LED	OPTIC	LED COLOUR	POWER SUPPLY	△	CODE
13W	MWFL	WW 3000K	electronic	TS 901	1T4764EL
13W	MWFL	NW 4000K	electronic	TS 901	1T4765EL
13W	WFL	WW 3000K	electronic	TS 900	1T4762EL
13W	WFL	NW 4000K	electronic	TS 900	1T4763EL

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



CCTLed PENDANT

SUSPENSION FOR DIFFUSED AND DIRECT LIGHT,
FOR LED SOURCES





SUSPENDING LED

CCTLed PENDANT is the new suspension fixture in the CCTLed family, which with its performance features and method of installation further expands the range. Indeed, originality as well as the dissipation system's design, which are features of this range, are finally put on show, becoming the recognisable element of the new LED suspension. In addition, two different optic systems, designed ad hoc for LED sources, and a large reflector are available in the transparent or metallized version.

CCTLed Pendant

Diameter

Ø 317mm

height

H. 279mm all versions

Reflector

Transparent, Metallized

Fixture's luminous flux

Transparent refl. 21W > 1500lm - 30W > 2000lm
Metallized refl. 21W > 2000lm - 30W > 2700lm

Color temperature

3000K, 4000K

Optics

OFFICE, AMBIENT



CCTLed PENDANT

DIFFUSED EFFECT

The main external reflector is the element that visibly distinguishes the two CCTLed PENDANT versions. In fact the optic system is provided by a set of all the different elements. Besides the outer transparent reflector, a special internal transparent "TECH" optic (the same used in the downlight program) equipped with a micro-prismatic screen that shields the LED, is the heart of the system. The set of all the elements creates a direct and diffused light, with no loss of performance.



PASSIVE DISSIPATION

An excellent heat management guarantees maintained long-term performance

MICROPRISMATIC DOME REFRACTOR DOME

Screens the source and softly distributes the light

OPTICS

Transparent faceted optics

REFLECTOR

Transparent reflector for a diffused light effect



TECHNICAL SUSPENSION WITH UGR<19

The metallized reflector suspension is the high tech solution equipped with an "OFFICE" optic with UGR<19.



PASSIVE DISSIPATION

An excellent heat management guarantees maintained long-term performances

OPTICS

"OFFICE" or "ARCHITECTURAL" optics for professional results

OPTIC CAMERA

The special element allows for the different optics and accessories to be installed

REFLECTOR

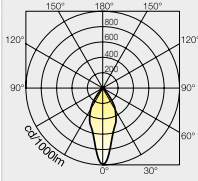
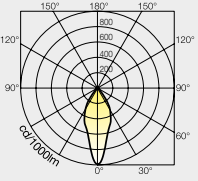
Metallized reflector for a direct light effect



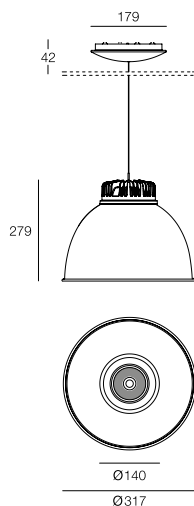
TRANSPARENT REFLECTOR

Suspension with diffused downlight for high output LED lamps. Black painted metal frame and black painted die-cast aluminium heat sink. Transparent polycarbonate outer prismatic diffuser. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request. Equipped with transparent polycarbonate faceted inner optic and microprismatic dome refractor optic. 3000 mm long steel suspension cables with micrometric adjustment system Auto Block-System ABS. Built-in driver on the ceiling canopy: basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3 hour battery pack integrated in secondary canopy.



TS 715		30W		TS 721		21W	
 <p>LED I_{max} 1000 cd/Klm α=40°</p>	KELVIN	3000K	4000K	 <p>LED I_{max} 1000 cd/Klm α=40°</p>	KELVIN	3000K	4000K
	LED FLUX	3351 lm	3462 lm		LED FLUX	2521 lm	2604 lm
	FIXTURE FLUX	2023 lm	2090 lm		FIXTURE FLUX	1522 lm	1572 lm
	EFFICACY	67 lm/W	70 lm/W		EFFICACY	72 lm/W	75 lm/W
	IMAX	3350 cd	3450 cd		IMAX	2522 cd	2598 cd

AMBIENT



LED	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
18W	electronic	WW 3000K	2,0 Kg	TS 721	1T3274
18W	electronic	NW 4000K	2,0 Kg	TS 721	1T3275
18W	dimnable DALI	WW 3000K	2,0 Kg	TS 721	1T3298
18W	dimnable DALI	NW 4000K	2,0 Kg	TS 721	1T3299
18W	electronic with emergency	WW 3000K	2,7 Kg	TS 721	1T3322
18W	electronic with emergency	NW 4000K	2,7 Kg	TS 721	1T3323
18W	dimnable DALI with emergency	WW 3000K	2,7 Kg	TS 721	1T3346
18W	dimnable DALI with emergency	NW 4000K	2,7 Kg	TS 721	1T3347
25W	electronic	WW 3000K	2,0 Kg	TS 715	1T3272
25W	electronic	NW 4000K	2,0 Kg	TS 715	1T3273
25W	dimnable DALI	WW 3000K	2,0 Kg	TS 715	1T3296
25W	dimnable DALI	NW 4000K	2,0 Kg	TS 715	1T3297
25W	electronic with emergency	WW 3000K	2,7 Kg	TS 715	1T3320
25W	electronic with emergency	NW 4000K	2,7 Kg	TS 715	1T3321
25W	dimnable DALI with emergency	WW 3000K	2,7 Kg	TS 715	1T3344
25W	dimnable DALI with emergency	NW 4000K	2,7 Kg	TS 715	1T3345

ACCESSORIES



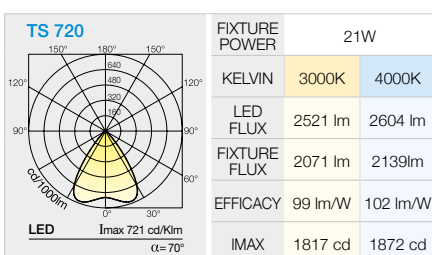
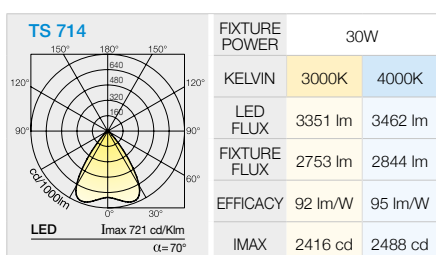
Cover
Dissipator cover

Black	1T4061
White	1T4062

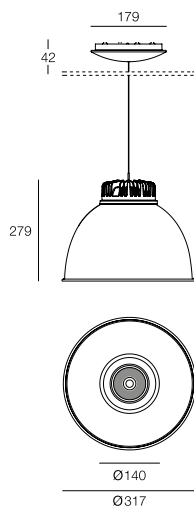
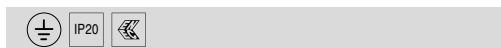
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

METALLIZED REFLECTOR

Suspension for high output LED lamps. Black painted metal frame and black painted die-cast aluminium heat sink. Metallized methacrylate prismatic outer diffuser. Warm white (3000K) or neutral white (4000K) high output LED. Ra84; Ra97 on request. Equipped with inner precision optics with convex facets made of metallized polycarbonate with "Scratch Proof Formula" treatment and high reflectance mirror finish available in Office version with UGR<19. 3000 mm long steel suspension cables with micrometric adjustment system Auto Block-System ABS. Built-in driver on the ceiling canopy; basic electronic, DALI dimmable, basic emergency and DALI emergency. Emergency versions equipped with 3 hour battery pack integrated in secondary canopy.



OFFICE



LED	POWER SUPPLY	LED COLOR	WEIGHT	△	CODE
18W	electronic	WW 3000K	2,0 Kg	TS 720	1T3294
18W	electronic	NW 4000K	2,0 Kg	TS 720	1T3295
18W	dimnable DALI	WW 3000K	2,0 Kg	TS 720	1T3318
18W	dimnable DALI	NW 4000K	2,0 Kg	TS 720	1T3319
18W	electronic with emergency	WW 3000K	2,7 Kg	TS 720	1T3342
18W	electronic with emergency	NW 4000K	2,7 Kg	TS 720	1T3343
18W	dimnable DALI with emergency	WW 3000K	2,7 Kg	TS 720	1T3366
18W	dimnable DALI with emergency	NW 4000K	2,7 Kg	TS 720	1T3367
25W	electronic	WW 3000K	2,0 Kg	TS 714	1T3292
25W	electronic	NW 4000K	2,0 Kg	TS 714	1T3293
25W	dimnable DALI	WW 3000K	2,0 Kg	TS 714	1T3316
25W	dimnable DALI	NW 4000K	2,0 Kg	TS 714	1T3317
25W	electronic with emergency	WW 3000K	2,7 Kg	TS 714	1T3340
25W	electronic with emergency	NW 4000K	2,7 Kg	TS 714	1T3341
25W	dimnable DALI with emergency	WW 3000K	2,7 Kg	TS 714	1T3364
25W	dimnable DALI with emergency	NW 4000K	2,7 Kg	TS 714	1T3365

ACCESSORIES



Cover
Dissipator cover

Black	1T4061
White	1T4062

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

CCTLed PENDANT





KRONO



Abel & Baker - Helsinki, Finland

SUSPENSION FOR DIFFUSED AND DIRECT LIGHT, FOR COMPACT FLUORESCENT, AND METAL HALIDE LAMPS



DOUBLE EFFECT

Double effects thanks to the various finishes of the prismatic reflectors. Metallized for direct light alone and ribbed transparent in order to add the diffused light component; the discharge versions come complete with safety screens in transparent methacrylate, which are also available as an accessory for the fluorescent versions.

ADJUSTABLE SUSPENSION

With great attention to details, the KRONO fixture makes use of a micrometric adjustment cable suspension system. Complete with an aluminium-coloured polycarbonate canopy predisposed for the passage of the feeding cable.

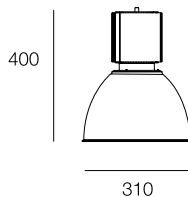
THREE SIZES

The professional suspension KRONO fixture adapts to any environment, even of large proportions. Three different versions are available, small, medium and large, for use with 32W fluorescent lamps and metal halide lamps up to 400W.

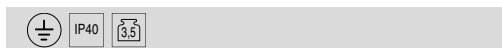
Suspension for compact fluorescent and metal halide lamps. Metal housing and painted in aluminium finish and component holder made in extruded anodised aluminium finned for heat dissipation. Prismatic reflector made of metallized methacrylate or transparent polycarbonate. Metal halide versions complete with IP40 protection screen. Steel suspension cables complete with canopy (L 3000mm) with micrometric Auto Block-System ABS. Available with integrated magnetic, electronic, DALI dimmable or permanent emergency power supply. Feeding cable complete with canopy.



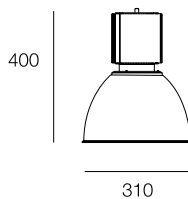
SMALL



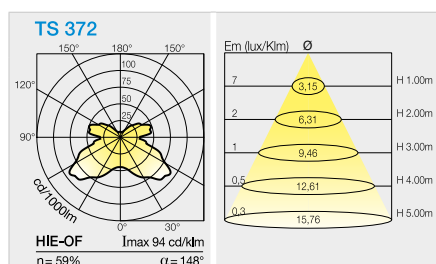
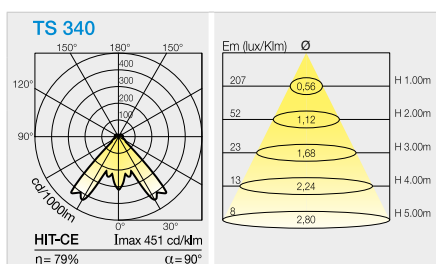
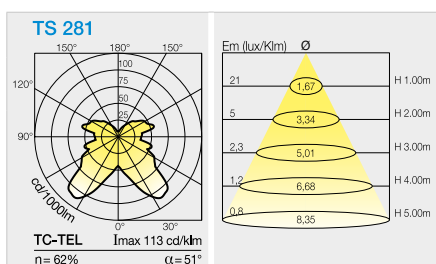
TC-TEL	POWER SUPPLY	REFLECTOR	△	CODE
GX24q-3	2x 32W electronic	prismatic transparent	TS 281	34337
	2x 32W electronic	prismatic metallized	TS 373	34338
	2x 32W dimmable DALI	prismatic transparent	TS 281	34337DA
	2x 32W dimmable DALI	prismatic metallized	TS 373	34338DA
	2x 32W permanent emerg.	prismatic transparent	TS 281	34337H
	2x 32W permanent emerg.	prismatic metallized	TS 373	34338H



SMALL

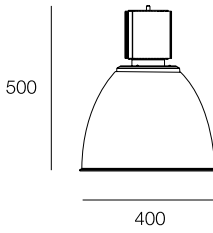


HIT-CE	POWER SUPPLY	REFLECTOR	△	CODE
G12	70W magnetic power factor correct.	prismatic transparent	TS 340	34344
	70W magnetic power factor correct.	prismatic metallized	TS 375	34345





MEDIUM



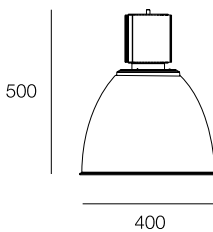
TC-TEL	POWER SUPPLY	CODE
GX24q-4 2x 42W	electronic	TS 281 34335
2x 42W	permanent emergency	TS 373 34335H
2x 42W	dimmable DALI	TS 281 34335DA



REFLECTOR	CODE
prismatic transparent	TS 281 34385



MEDIUM



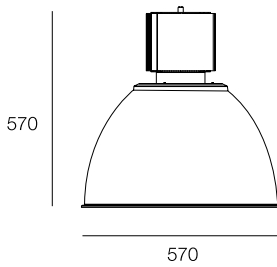
HIT-CE	POWER SUPPLY	CODE
G12 150W	magnetic power factor correct.	34333



REFLECTOR	CODE
prismatic transparent	TS 340 34383



LARGE



HIE-OF	POWER SUPPLY	CODE
E40 250W	magnetic power factor correct.	34361



REFLECTOR	CODE
prismatic transparent	TS 372 34381
prismatic metallized	TS 374 34382

HIE-OF	POWER SUPPLY	CODE
E40 400W	magnetic power factor correct.	34331



REFLECTOR	CODE
prismatic transparent	TS 372 34381

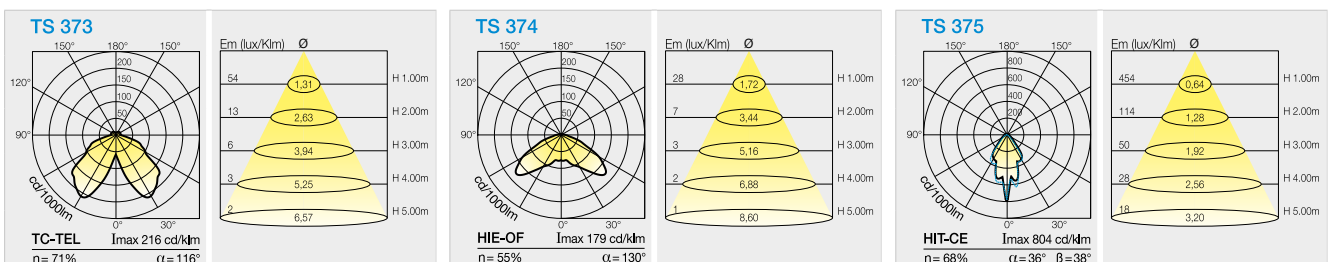
ACCESSORIES



Methacrylate prismatic protective screen

for TC-TEL 2x 32W **34363**

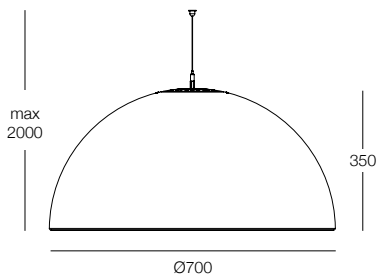
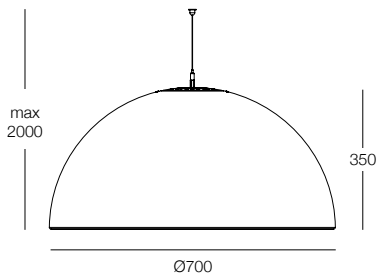
for TC-TEL 2x 42W **34364**



PANTHEON Ø700

SUSPENSION

Direct or diffused LED light pendant fixture. Body in matt white shockproof PE obtained from rotational moulding. UV protection. 100% recyclable and solution-dyed. Dimmable LED module 230V 3000K. Integrated heat dissipator in die-cast aluminium. complete with suspension cable and transparent feeding cable L. 2000mm.



DIRECT EMISSION

LED	FINISHES	LED COLOR	△	CODE
28W	plaster white	ww 3000K	TS 806	1T4049

DIFFUSED EMISSION

LED	FINISHES	LED COLOR	△	CODE
28W	plaster white	ww 3000K	TS 805	1T4050



ACCESSORIES

Canopy

[1T3978](#)



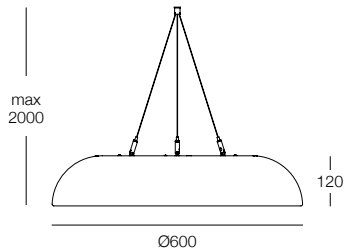
PANTHEON Ø600

SUSPENSION

Direct or diffused LED light suspension fixture. Body in matt white shockproof PE obtained from rotational moulding. UV protection. 100% recyclable and solution-dyed. Dimmable LED module 230V 3000K. Integrated heat dissipator in matt white aluminium. Complete with suspension cable and transparent feeding cable L. 2000mm. No driver necessary.

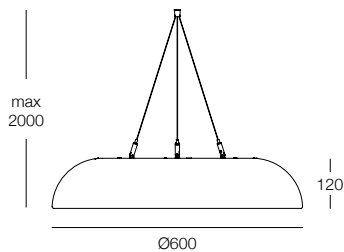


DIRECT EMISSION



LED	FINISHES	LED COLOR	△	CODE
18W	plaster white	ww 3000K	TS 810	1T4052

DIFFUSED EMISSION



LED	FINISHES	LED COLOR	△	CODE
18W	plaster white	ww 3000K	TS 809	1T4051

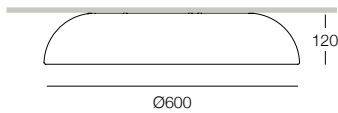
ACCESSORIES

Canopy

[1T3978](#)

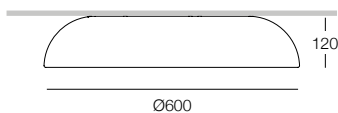
CEILING MOUNTED

Direct or diffused LED light ceiling mounted. Body in matt white shockproof PE obtained from rotational moulding. UV protection. 100% recyclable and solution-dyed. Dimmable LED module 230V 3000K. Integrated heat dissipator in matt white aluminium. Complete with a fixing plate to fix it to the ceiling. No driver necessary.



DIRECT EMISSION

LED	FINISHES	LED COLOR	△	CODE
18W	plaster white	WW 3000K	TS 808	1T4054



DIFFUSED EMISSION

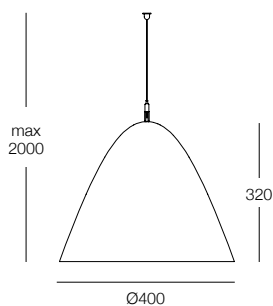
LED	FINISHES	LED COLOR	△	CODE
18W	plaster white	WW 3000K	TS 807	1T4053



PANTHEON Ø400

SUSPENSION

Direct LED light suspension fixture. Painted spun aluminium body. Dimmable LED module 230V 3000K. Integrated heat dissipator in die-cast aluminium. Complete with suspension cable and transparent feeding cable L. 2000mm. No driver necessary.



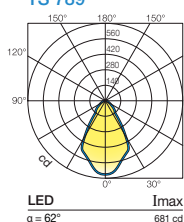
LED	FINISHES	LED COLOR	△	CODE
14W	plaster white	ww 3000K	TS 789	1T4055
14W	deep black	ww 3000K	TS 789	1T4056

ACCESSORIES

Canopy

[1T3978](#)

TS 789

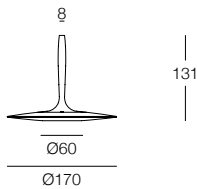


The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

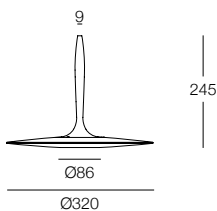
DECANTER

SUSPENSION

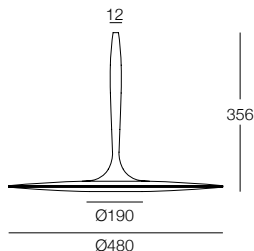
LED suspension for direct diffuse lighting. Disc made of Baydur (large and medium models) or aluminium (small version). Aluminium stem and decorative canopy matt painted. Microprismatic diffuser in transparent PMMA. Bipolar feeding cable integrated, 2000mm length. Electronic driver located inside the canopy.



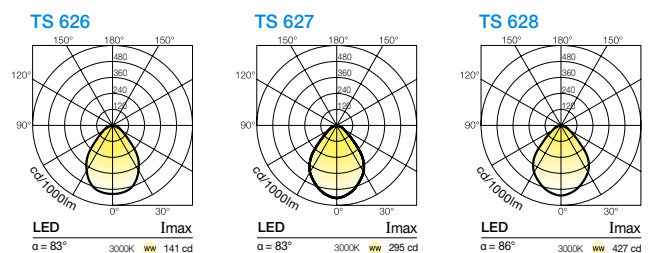
LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
4W	plaster white	electronic	ww 3000K	TS 626	1T4076
4W	deep black	electronic	ww 3000K	TS 626	1T4077



LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
9W	plaster white	electronic	ww 3000K	TS 627	1T4082
9W	deep black	electronic	ww 3000K	TS 627	1T4083



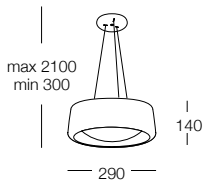
LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
11W	plaster white	electronic	ww 3000K	TS 628	1T4088
11W	deep black	electronic	ww 3000K	TS 628	1T4089



NUDA

SUSPENSION

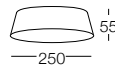
Direct emission suspension fixture for compact fluorescent lamps. Integrated electronic power supply. Matt painted polyurethane body, grey painted upper plate. To be completed with colored aluminium internal reflector available in different colours, complete with opaline glass screen. Steel suspension cables (L = 2100mm) with ceiling micrometric "Zip regulation system" included. Integrated electronic power supply. Complete with feeding cable and canopy.



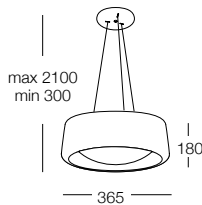
TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	1x26/32W	plaster white	electronic multipower	ES127-1	41750B
	1x26/32W	deep black	electronic multipower	ES127-1	41750N

+1x

INTERNAL REFLECTOR



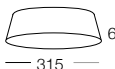
plaster white	41790B
deep black	41790N



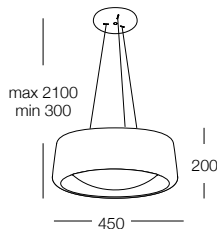
TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	2x26/32W	plaster white	electronic multipower	ES127-2	41751B
	2x26/32W	deep black	electronic multipower	ES127-2	41751N

+1x

INTERNAL REFLECTOR



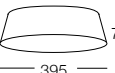
plaster white	41791B
deep black	41791N



TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3/4	2x26/32/42W	plaster white	electronic multipower	ES127-2	41752B
	2x26/32/42W	deep black	electronic multipower	ES127-2	41752N

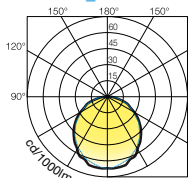
+1x

INTERNAL REFLECTOR



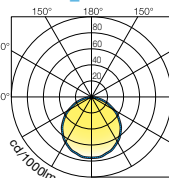
plaster white	41792B
deep black	41792N

ES 127_1



TC-TEL I_{max} 68 cd/klm
η=20% α=112° β=108°

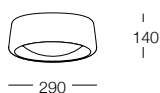
ES 127_2



TC-TEL I_{max} 75 cd/klm
η=22% α=115° β=108°

CEILING MOUNTED

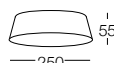
Direct emission wall or ceiling mounted fixture for compact fluorescent lamps. Matt painted polyurethane body, grey painted metal upper plate. To be completed with colored aluminium internal reflector available in different colours, complete with opaline glass screen. Integrated electronic power supply.



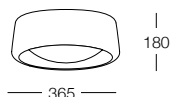
TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	1x26/32W	plaster white	electronic multipower	ES127-1	41740B
	1x26/32W	deep black	electronic multipower	ES127-1	41740N

+1x

INTERNAL REFLECTOR



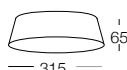
plaster white	41790B
deep black	41790N



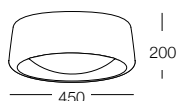
TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	2x26/32W	plaster white	electronic multipower	ES127-2	41741B
	2x26/32W	deep black	electronic multipower	ES127-2	41741N

+1x

INTERNAL REFLECTOR



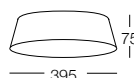
plaster white	41791B
deep black	41791N



TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3/4	2x26/32/42W	plaster white	electronic multipower	ES127-2	41742B
	2x26/32/42W	deep black	electronic multipower	ES127-2	41742N

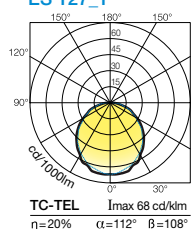
+1x

INTERNAL REFLECTOR

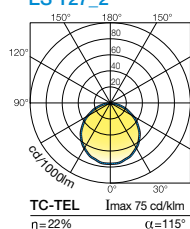


plaster white	41792B
deep black	41792N

ES 127_1



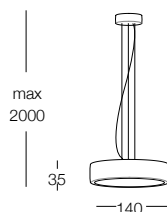
ES 127_2



MONETA

SUSPENSION

Direct emission suspension fixture for dimmable LED 230V module. Matt painted aluminium body complete with opaline polycarbonate diffuser. Metalised aluminium internal reflector. Complete with suspension/feeding cable (L.2000mm) and canopy. It doesn't need to the driver.

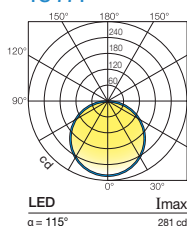


LED		FINISHES	LED COLOR	△	CODE
18W		plaster white	ww 3000K	TS 771	1T3768
18W		deep black	ww 3000K	TS 771	1T3769

MONETA WALL MOUNTED See page 449

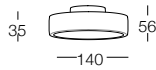


TS 771



CEILING MOUNTED

Direct emission ceiling mounted LED fixture.
Dimmable 230V LED module. Matt painted aluminium body, with opaline polycarbonate diffuser. Metalised aluminium internal reflector. It doesn't need to the driver.

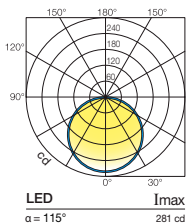


LED		FINISHES	LED COLOR	△	CODE
18W		plaster white	WW 3000K	TS 771	1T3765
18W		deep black	WW 3000K	TS 771	1T3766

MONETA WALL MOUNTED See page 449



TS 771



MINI

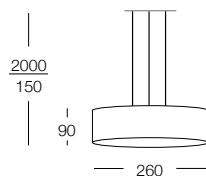
SUSPENSION

Direct emission wall, ceiling mounted or suspension fixture for circular or compact fluorescent lamps.

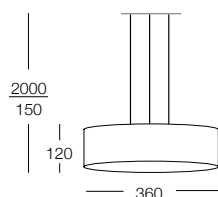
Painted metal body with opaline polycarbonate diffuser. White painted metal upper cover. Direct/indirect emission version provided with holes in the upper cover protected by opaline polycarbonate diffusers. Complete with steel suspension cables (L = 4000mm) with ceiling micrometric "zip regulation system". Integrated electronic power supply. Complete with feeding cable and off-center canopy.



DIRECT LIGHT

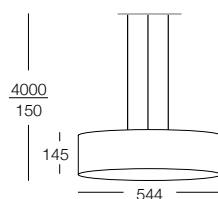


T16-R		FINISHES	POWER SUPPLY	△	CODE
2GX13	22W	plaster white	electronic	ES 110	40250B
	22W	deep black	electronic	ES 110	40250N

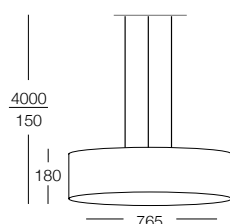


T16-R		FINISHES	POWER SUPPLY	△	CODE
2GX13	55W	plaster white	electronic	ES 110	40251B
	55W	deep black	electronic	ES 110	40251N

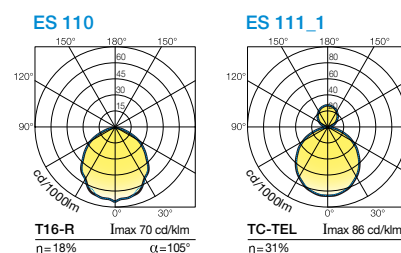
DIRECT/INDIRECT LIGHT



TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3/4	4x26 32/42W	plaster white	electronic	ES 111-1	41155B
	4x26 32/42W	deep black	electronic	ES 111-1	41155N

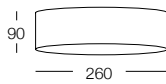


TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3/4	6x26 32/42W	plaster white	electronic	ES 111-1	41157B
	6x26 32/42W	deep black	electronic	ES 111-1	41157N

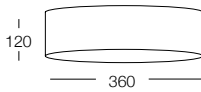


CEILING MOUNTED

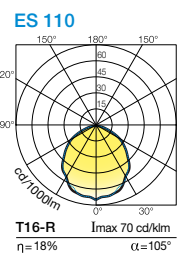
Wall or ceiling mounted fixture for circular fluorescent lamps. Painted metal body with opaline polycarbonate diffuser. White painted metal upper cover. Integrated electronic power supply.



T16-R		FINISHES	POWER SUPPLY	△	CODE
2GX13	22W	plaster white	electronic	ES 110	40240B
	22W	deep black	electronic	ES 110	40240N



T16-R		FINISHES	POWER SUPPLY	△	CODE
2GX13	55W	plaster white	electronic	ES 110	40241B
	55W	deep black	electronic	ES 110	40241N



ERCOLE



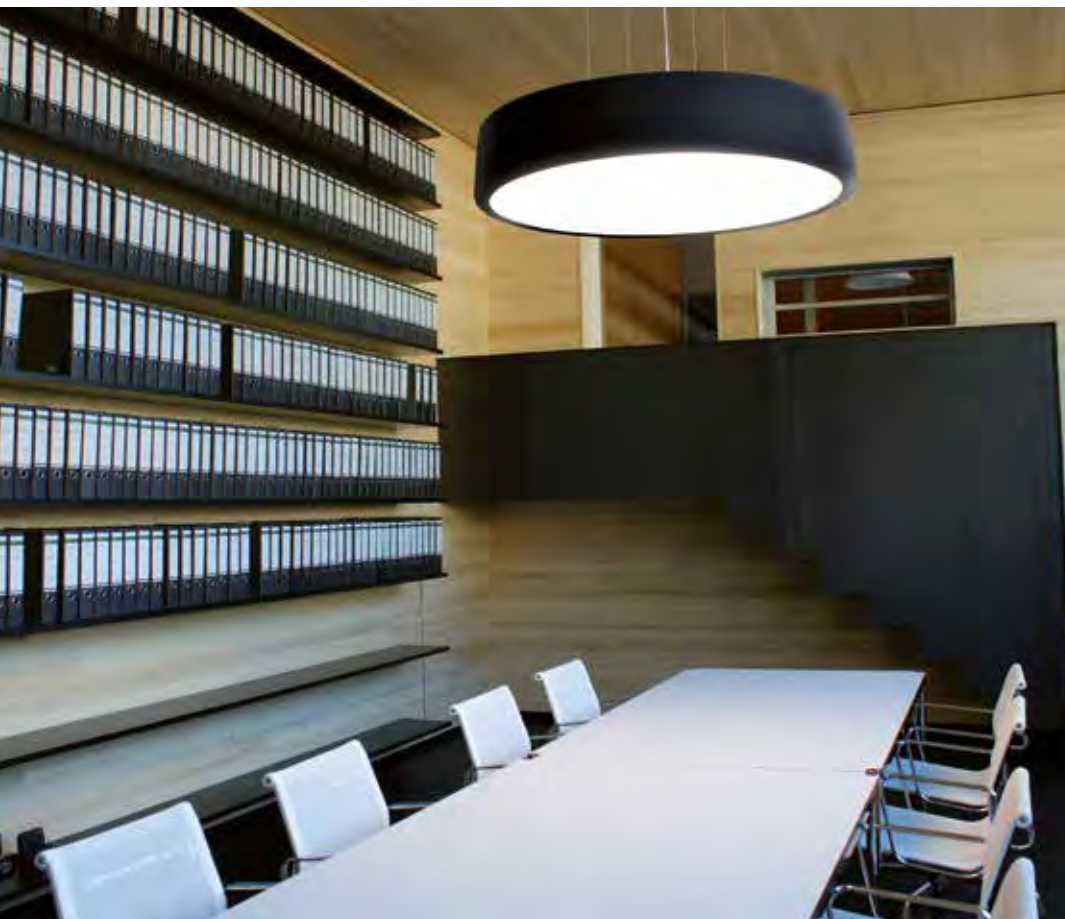
SUSPENSION FIXTURE FOR LED AND COMPACT FLUORESCENT LAMPS PROVIDING DIRECT OR DIRECT/INDIRECT LIGHTING

SO LARGE

A large suspension fixture – the largest version has a diameter of 150 cm – for large spaces, capable of illuminating any space in an extremely diffused way. Available in the direct emission version or direct/indirect emission.

CONTEMPORARY LIGHTNESS

Notwithstanding its size, ERCOLE is extremely light. Body made of polyurethane and diffuser made of a single sheet of opal polycarbonate diffuser; equipped with high efficiency fluorescent or LED sources. The light is uniformly diffused. Ideal for lighting areas with high ceilings or to give the context an extremely contemporary feel.



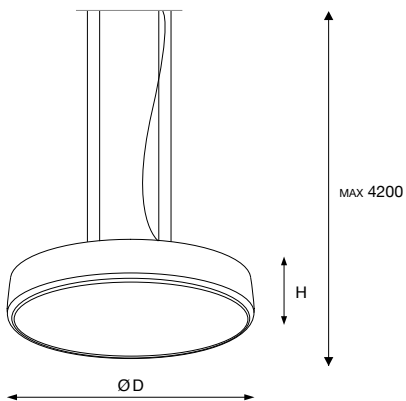
ERCOLE LED

SUSPENSION

Direct or direct/indirect emission suspension fixture for LED lamps. Metal frame, body in matt coloured Baydur® polimer and lower diffuser in opaline polycarbonate. Complete with steel suspension cables (L.max 4000mm) with an Auto Block-System ABS micrometric adjustment system on the upper side of the luminaire. Integrated electronic dimmable DALI power supply. Complete with feeding cable (L=5000mm) and canopy.



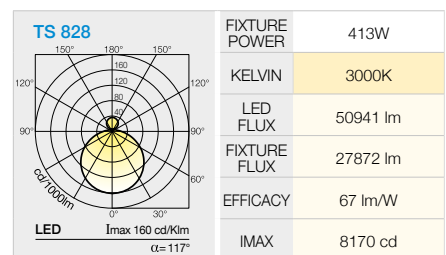
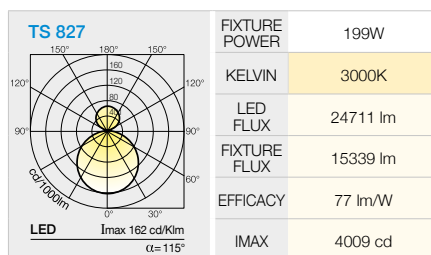
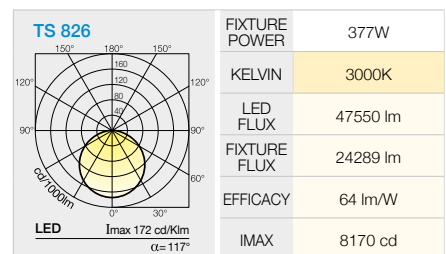
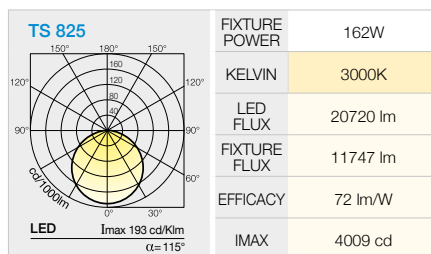
DIRECT



LED	FINISHING	ØDxH	WEIGHT	△	CODE
140W	plaster white	1050x200	20 Kg	TS 825	1T4205
140W	deep black	1050x200	20 Kg	TS 825	1T4206
330W	plaster white	1500x220	40 Kg	TS 826	1T4207
330W	deep black	1500x220	40 Kg	TS 826	1T4208

DIRECT/INDIRECT

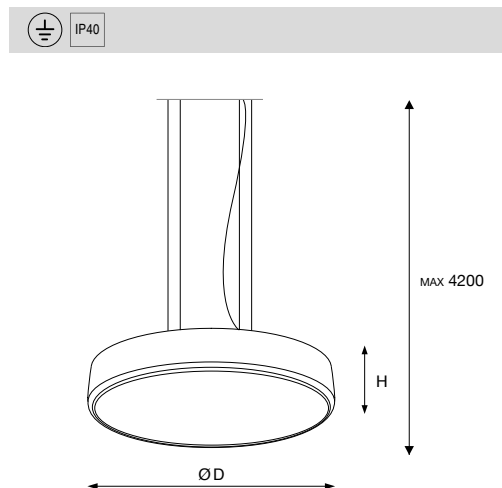
LED	FINISHING	ØDxH	WEIGHT	△	CODE
173W	plaster white	1050x200	20 Kg	TS 827	1T4209
173W	deep black	1050x200	20 Kg	TS 827	1T4210
363W	plaster white	1500x220	40 Kg	TS 828	1T4211
363W	deep black	1500x220	40 Kg	TS 828	1T4212



ERCOLE

SUSPENSION

Direct or direct/indirect emission suspension fixture for compact fluorescent lamps. Metal frame, body in matt coloured Baydur® polimer and lower diffuser in opaline polycarbonate. Direct emission version complete with upper screen in AluGbond, direct/indirect emission version complete with upper screen in opaline polycarbonate. Integrated power supply. Complete with steel suspension cables (L.max 4000mm) with an Auto Block-System ABS micrometric adjustment system on the upper side of the luminaire.

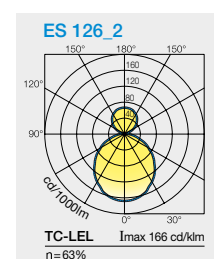
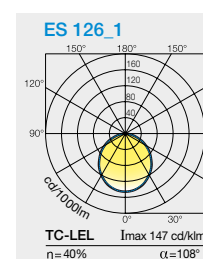


DIRECT

TC-LEL	FINISHING	ØDxH	WEIGHT	△	CODE
2G11 10x36W	plaster white	1050x200	26 Kg	ES 126_1	42650B
10x36W	deep black	1050x200	26 Kg	ES 126_1	42650N
10x55W	plaster white	1500x220	43 Kg	ES 126_1	42653B
10x55W	deep black	1500x220	43 Kg	ES 126_1	42653N

DIRECT/INDIRECT

TC-LEL	FINISHING	ØDxH	WEIGHT	△	CODE
2G11 10x36W	plaster white	1050x200	26 Kg	ES 126_2	42651B
10x36W	deep black	1050x200	26 Kg	ES 126_2	42651N
10x55W	plaster white	1500x220	43 Kg	ES 126_2	42654B
10x55W	deep black	1500x220	43 Kg	ES 126_2	42654N



MINIMA AND MINIMINIMA



DIRECT/INDIRECT LIGHT SUSPENSION AND CEILING MOUNTED FIXTURE FOR LED SOURCES AND LINEAR FLUORESCENT LAMPS

LINEAR AND SUBTLE

A single element, linear and subtle, with a depth of only 5,5 centimetres, obtained by excavating a solid piece of material, with no folds or seams; sharp and precise corners and edges, with no visible coupling or fastening systems. The protective screen is perfectly flush and hides the light sources while diffusing the light perfectly.



THE SAME EXTERIOR FOR A HIGHER PERFORMANCE LED SOLUTION

MINIMINIMA LED has the same exterior but is more powerful thanks to its state of the art LED modules. Not only minimal design but high performance.

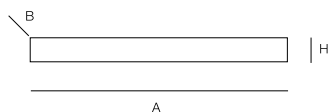
MINIMA

CEILING MOUNTED

Ceiling fixture with direct light emission for linear fluorescent lamps. Body made of fireproof, painted polymer plastic with opal polycarbonate diffuser. Integrated electronic power supply.



IP40

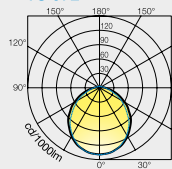


T16		COLOUR	AxBxH	WEIGHT	△	CODE
G5	39W	aluminium	900x55x58 mm	1,2 Kg	TS 572	396409
	39W	white	900x55x58 mm	1,2 Kg	TS 572	1T4154
	39W	black	900x55x58 mm	1,2 Kg	TS 572	1T4155
	54W	aluminium	1200x55x58 mm	1,6 Kg	TS 572	396419
	54W	white	1200x55x58 mm	1,6 Kg	TS 572	1T4156
	54W	black	1200x55x58 mm	1,6 Kg	TS 572	1T4157

MINIMA wall mounted See page 438



TS 572



T16
Imax 137 cd/klm
η = 36%



MINIMA

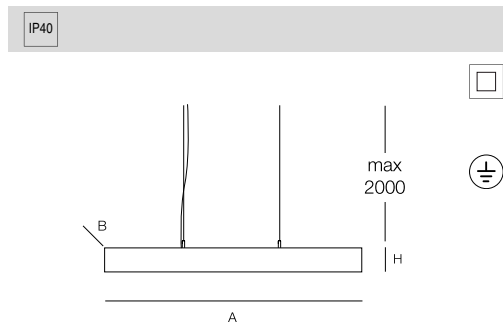
SUSPENSION

Suspended fixture with direct or direct/indirect light emission for linear fluorescent lamps.

Body made of fireproof, painted polymer plastic or chrome version made of chromed aluminium with opal polycarbonate diffuser. Version with direct/indirect light emission complete with upper protection screen. Integrated electronic power supply.

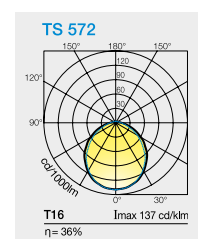
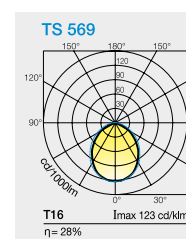
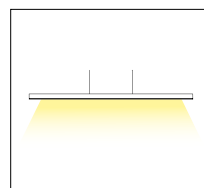


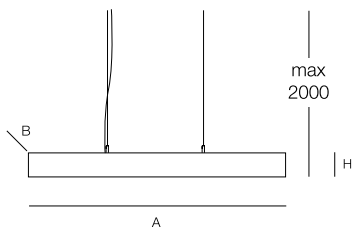
DIRECT EMISSION



T16		COLOUR	AxBxH	WEIGHT	△	CODE
G5	39W	chrome	900x38x58 mm	2,8 Kg	TS 569	413500
	39W	aluminium	900x55x58 mm	1,2 Kg	TS 572	396509
	39W	white	900x55x58 mm	1,2 Kg	TS 572	1T4158
	39W	black	900x55x58 mm	1,2 Kg	TS 572	1T4159
	54W	aluminium	1200x55x58 mm	1,6 Kg	TS 572	396529
	54W	white	1200x55x58 mm	1,6 Kg	TS 572	1T4162
	54W	black	1200x55x58 mm	1,6 Kg	TS 572	1T4163

DIRECT EMISSION





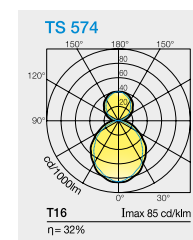
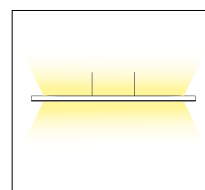
DIRECT/INDIRECT EMISSION

T16		COLOUR	AxBxH	WEIGHT	△	CODE
G5	39W	aluminium	900x55x58 mm	1,2 Kg	TS 574	396519
	39W	white	900x55x58 mm	1,2 Kg	TS 574	1T4160
	39W	black	900x55x58 mm	1,2 Kg	TS 574	1T4161
54W	aluminium	1200x55x58 mm	1,6 Kg	TS 574	396539	
	white	1200x55x58 mm	1,6 Kg	TS 574	1T4164	
	black	1200x55x58 mm	1,6 Kg	TS 574	1T4165	

Complete with
off-center canopy.



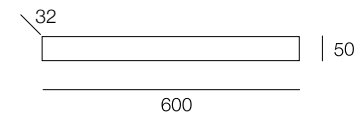
DIRECT/INDIRECT
EMISSION











MINIMINIMA

CEILING MOUNTED

Ceiling fixture with direct light emission for linear fluorescent and LEDs sources. Body made of chromed or painted aluminium with opal polycarbonate diffuser. Integrated electronic power supply.



LED 	FINISHES	LED COLOR	WEIGHT		CODE
12W	chrome	 3000K	1,2 Kg	TS 748	1T4178
12W	aluminium	 3000K	1,2 Kg	TS 748	1T4179
12W	white	 3000K	1,2 Kg	TS 748	1T4180
12W	black	 3000K	1,2 Kg	TS 748	1T4181

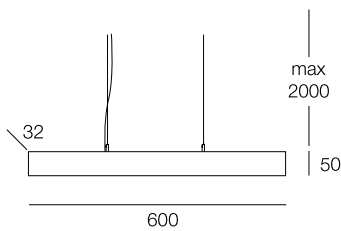
T16 	FINISHES	WEIGHT		CODE
G5 24W	chrome	1,2 Kg	TS 576	414400
24W	aluminium	1,2 Kg	TS 576	414409
24W	white	1,2 Kg	TS 576	1T4166
24W	black	1,2 Kg	TS 576	1T4167

MINIMINIMA wall mounted See page 440



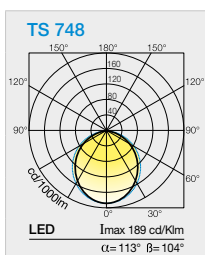
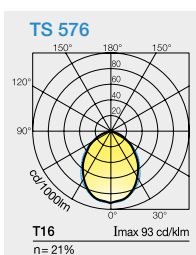
SUSPENSION

Suspended fixture with direct light emission for linear fluorescent and LEDs sources. Body made of chromed or painted aluminium with opal polycarbonate diffuser. Integrated electronic power supply.



LED	FINISHES	LED COLOR	WEIGHT	△	CODE
12W	chrome	ww 3000K	1,5 Kg	TS 748	1T4182
12W	aluminium	ww 3000K	1,5 Kg	TS 748	1T4183
12W	white	ww 3000K	1,5 Kg	TS 748	1T4184
12W	black	ww 3000K	1,5 Kg	TS 748	1T4185

T16	FINISHES	WEIGHT	△	CODE
G5 24W	chrome	1,6 Kg	TS 576	414500
24W	aluminium	1,6 Kg	TS 576	414509
24W	white	1,6 Kg	TS 576	1T4168
24W	black	1,6 Kg	TS 576	1T4169

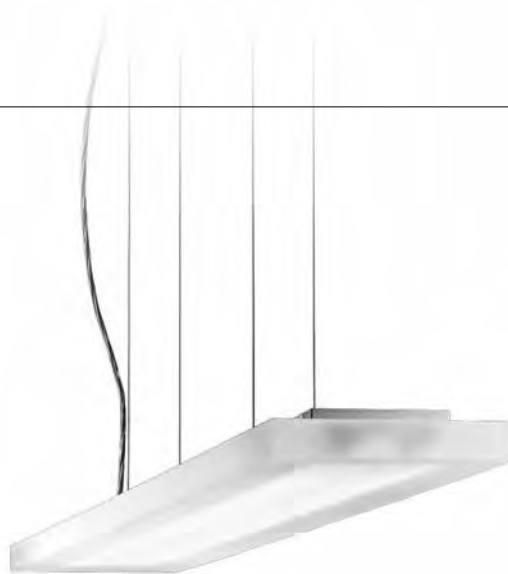


FIXTURE POWER	14W
KELVIN	3000K
LED FLUX	1720 lm
FIXTURE FLUX	875 lm
EFFICACY	62 lm/W

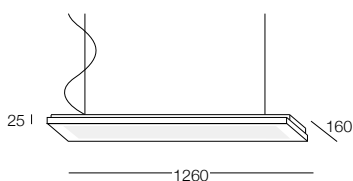
QUEEN

SUSPENSION

Direct diffused emission suspension fixture for linear fluorescent lamps. Painted aluminium upper cover, body consisting of a unique PMMA sandblasted methacrylate slab properly milled to house the light source. Complete with steel suspension cables (L = 2000mm) with ceiling micrometric "Zip regulation system". Integrated electronic multipower supply. Complete with feeding cable (L = 3000mm) and canopy.

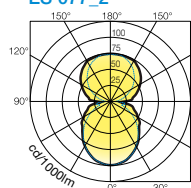


T16	GLASS	POWER SUPPLY	△	CODE
G5	2x39W glazed	electronic	ES077-2	398500



T16	GLASS	POWER SUPPLY	△	CODE
G5	2x54W glazed	electronic	ES077-2	398510

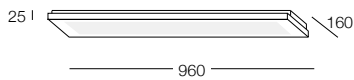
ES 077_2



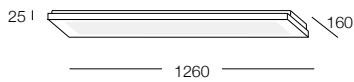
T16 I_{max} 99 cd/klm
 η = 58%

CEILING MOUNTED

Direct diffused emission wall or ceiling mounted fixture for linear fluorescent lamps. Painted aluminium upper cover, body consisting of a unique PMMA sandblasted methacrylate slab properly milled to house the light source. Integrated electronic power supply.

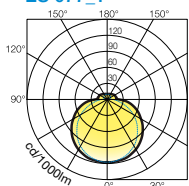


T16	GLASS	POWER SUPPLY	△	CODE
G5	2x39W glazed	electronic	ES077-1	398400



T16	GLASS	POWER SUPPLY	△	CODE
G5	2x54W glazed	electronic	ES077-1	398410

ES 077_1



T16
 I_{max} 120 cd/kdm
 $\eta = 45\%$

Q-BO



Santa Chiara former Convent - Facoltà di Lettere e Filosofia - Gorizia, Italy
Project: Politecnica Ingegneria e Architettura - Florence, Italy

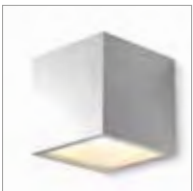
SUSPENSION AND CEILING MOUNTED FIXTURE FOR HALOGEN AND METAL HALIDE LAMPS



THE ESSENTIALITY OF THE FORM

A simple and clean form, in harmony with any environment. Two versions entirely made of aluminium: the small one decorative and the large one high-performing, with two application possibilities, ceiling-mounted or suspended. The use of the accessory filters allows for the variety of effects to be increased, by shading, colouring or shaping the beam of light.

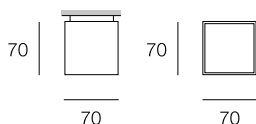
Q-BO wall mounted
see page 442



Q-BO

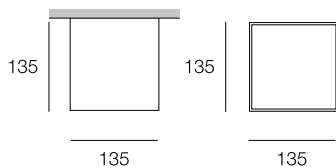
CEILING MOUNTED

Ceiling mounted fixture with direct light emission for halogen and metal halide lamps. Body made of painted extruded aluminium white or natural finish. Version for discharge lamp, complete with electronic power supply located in the mounting plate. Supplied as standard without screens, which are available as accessories.



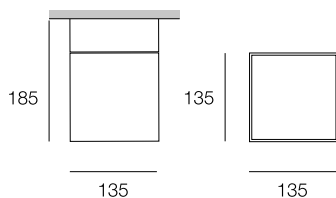
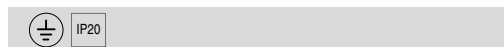
SMALL

QT14/c	EMISSION	COLOUR	WEIGHT	△	CODE
G9 max 20W	direct	white	0,2 Kg	VI 079	1V7370
max 20W	direct	aluminium	0,2 Kg	VI 079	1V7173



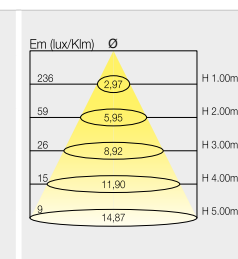
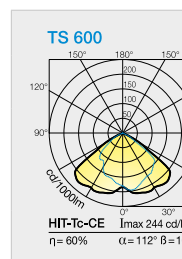
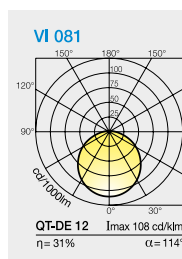
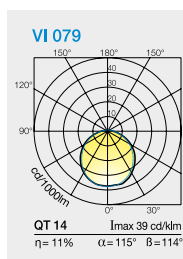
LARGE

QT-DE 12	EMISSION	COLOUR	WEIGHT	△	CODE
R7s max 120W	direct	white	1,4 Kg	VI 081	1V7374
max 120W	direct	aluminium	1,4 Kg	VI 081	1V7180



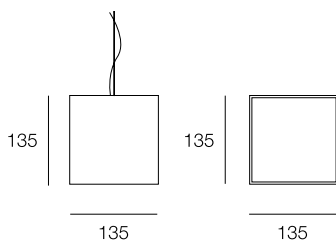
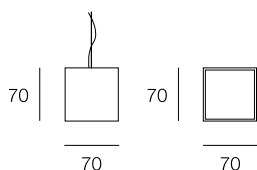
LARGE

HIT-Tc-CE	EMISSION	POWER SUPPLY	COLOUR	WEIGHT	△	CODE
G8.5 35W	direct	electronic	white	1,9 Kg	TS 600	1V7569
35W	direct	electronic	aluminium	1,9 Kg	TS 600	1V7568



SUSPENSION

Suspended fixture with direct light emission for halogen lamps. Body made of painted extruded aluminium white or natural finish. Supplied as standard without screens, which are available as accessories.



SMALL

QT14/c	EMISSION	COLOUR	WEIGHT	△	CODE
G9 max 20W	direct	white	0,6 Kg	VI 079	1V7371
max 20W	direct	aluminium	0,6 Kg	VI 079	1V7174

LARGE

QT-DE 12 (74,9 mm)	EMISSION	COLOUR	WEIGHT	△	CODE
R7s max 120W	direct	white	1,4 Kg	VI 081	1V7375
max 120W	direct	aluminium	1,4 Kg	VI 081	1V7181





Complete with steel suspension cable and transparent feeding cable with canopy, length 2000 mm. Micrometric system for regulating distance from the ceiling.



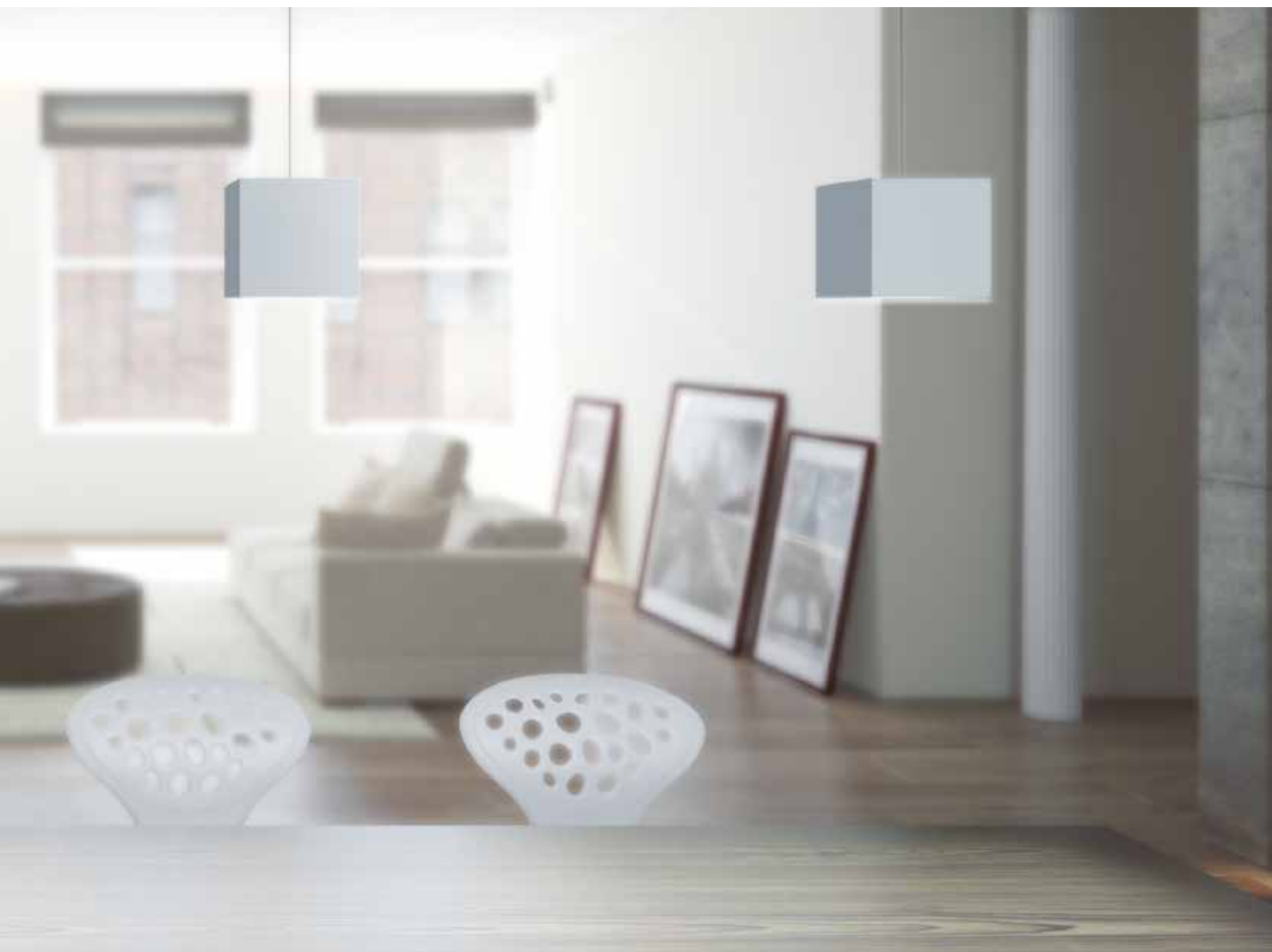
FEEDING AND SUSPENSION CABLES*		CODE
Three pole feeding cable	length 5000 mm	1V7262
Three pole feeding cable	length 10000 mm	1V7263
Steel suspension cable	length 10000 mm	1V7264

* Accessories to be ordered only for installations higher than 2000 mm.

Q-BO ACCESSORIES

ACCESSORIES				
IP40		Aluminium frame with sandblasted glass	small version	1V7332
			large version	1V7331
		Aluminium plate with central slot for light-blade effect	small version	1V7177
			large version	1V7184
IP40		White frame with sandblasted glass	small version	1V7361
			large version	1V7360
		White plate with central slot for light-blade effect	small version	1V7367
			large version	1V7364





TECHNICAL SUSPENSIONS

DIVA

Its name says everything about how it likes to be the star. It is impossible not to notice or admire it. Soft lines, impalpable materials, no seams or screws, just shape and pure light.





LIGHT AND MATERIAL

DIVA is the new high range suspension lamp for office lighting. It is made of CRISTALPLANT®, a technologically advanced and unique composite material that is made up of a high percentage of natural extremely pure polyester polymers and acrylics; it is therefore an inert, hypoallergenic and non-toxic material. DIVA with CRISTALPLANT® has soft surfaces without seams that interact freely with the light.

LIGHT AS THE FOCUS IN THE OFFICE

A clean yet sinuous suspension lamp, DIVA has a pure design that hides professional technology suitable for office lighting that meets all the regulations specified in the EN 12464-1 standard in terms of luminance, colour rendering and glare. Its elegant shape not only makes it a functional tool but a center stage fixture.

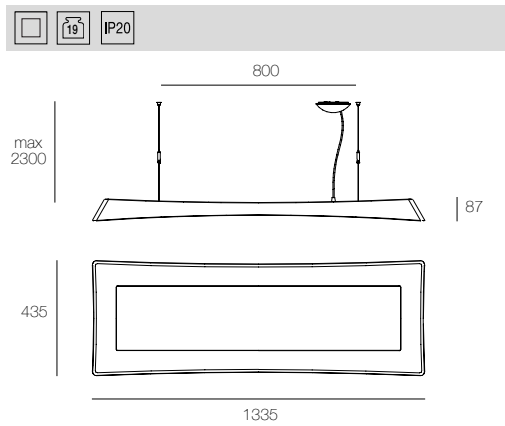
CONTROLLING THE ILLUMINATED SPACE

DIVA provides three different lighting effects: direct light, indirect light or direct/indirect light. The direct component is managed by a controlled luminance textured PMMA screen while the indirect component is entrusted to a highly efficient, Lambertian emission COB LED source. The result is a pleasantly lit space with perfectly balanced luminance.

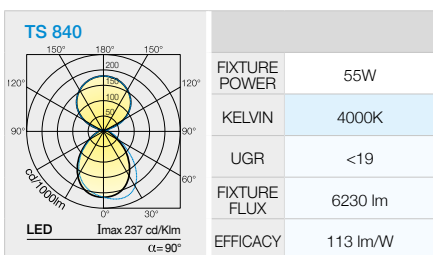
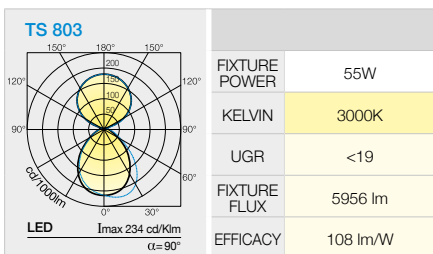
DIVA



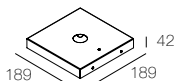
Stand-alone direct or indirect light suspension lamp fitted with LED sources. White CRISTALPLANT[®] body. Controlled low luminance direct light EN 12464-1, UGR<19 and L65<1500/3000 cd/ m². Optimised uniform indirect light for a minimum suspension height of 1500mm. Fitted with separate switches. Three different light effects available: direct light, indirect light and mixed direct/indirect light. Complete with two steel suspension cables with an Auto Block-System ABS micrometric adjustment system. Can be adjusted vertically by +/-15°. Integrated electronic or dimmable DALI power supply. Emergency power unit available as an accessory. Pre-wired with a standard transparent power cable or DALI and white canopy.
220-240V 50/60Hz



LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
48W	CRISTALPLANT [®]	electronic	WW 3000K	TS 803	1T4522
48W	CRISTALPLANT [®]	electronic	NW 4000K	TS 840	1T4524
48W	CRISTALPLANT [®]	dimmable DALI	WW 3000K	TS 803	1T4523
48W	CRISTALPLANT [®]	dimmable DALI	NW 4000K	TS 840	1T4525



Emergency lighting



Led remote battery pack.
Non-Maintained emergency.
3H autonomy.

[1T4074](#)

CARTESIO



The CARTESIO range meets all office technical requirements. From lighting workstations – with VDTs as well – where the EN 12464-1 standard is more rigorous, to meeting rooms and corridors. Rectangular or square solutions for suspension, ceiling or wall mounted installations.



SCENOGRAPHY

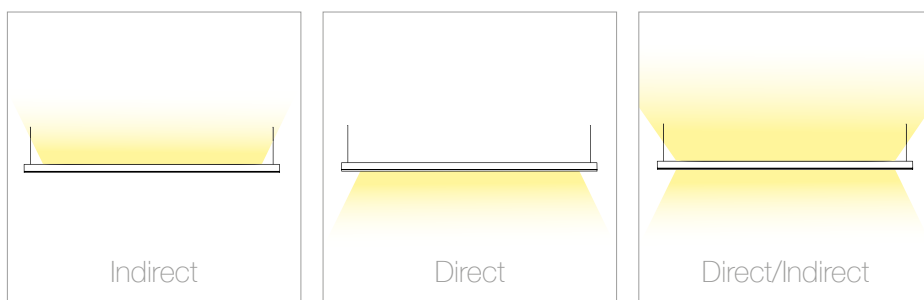
CARTESIO is able to create three different effects: direct emission, indirect emission or mixed direct/indirect emission.

The direct component is managed by a textured PMMA screen to control glare while the indirect component is managed by a highly efficient LED COB source that lights the ceiling with a Lambertian 'matte' reflectance to balance the luminance.

VISUAL CAPACITY AND QUALITY

Light quantity and quality are the main parameters used to evaluate visual capacity inside the workspace. The EN 12464-1 standard defines these parameters and above all their balance.

The rectangular CARTESIO versions, fitted with the direct emission component guarantee more than 500lux on the work surface, in line with the requirements outlined in the standard and have a UGR value of 16 which is considerably lower than the limits indicated in the standard ($UGR < 19$), which ensures reliability and maximum freedom when designing spaces. In addition to this there is the indirect component that contributes to softly balancing the luminance to reduce user eyestrain and improve perception of the illuminated space.



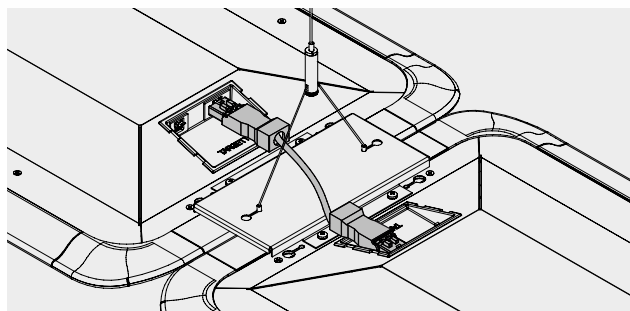
CARTESIO



INSTALLATION

Installing the CARTESIO range is really simple. The rectangular versions can be installed singularly or in modular configuration. They are equipped with integrated quick connect input and output connectors, one on each side, to connect to the power supply and a canopy that must be ordered separately. A range of dedicated optional accessories can be ordered for modular configurations complete with a power cable to connect the suspensions together.

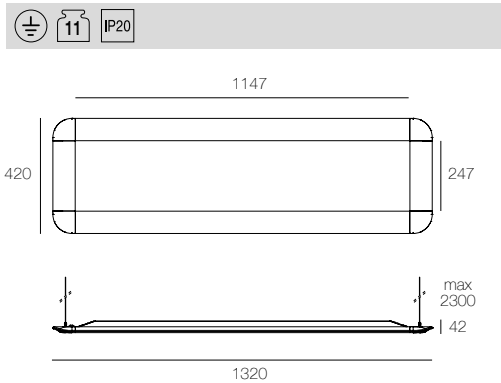
The square suspension versions have only one connector to connect to the power cable and a canopy.



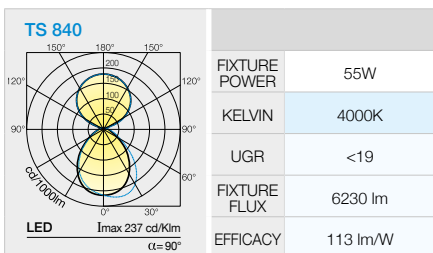
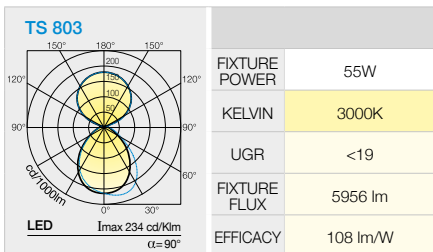
Direct/indirect light suspension fixture fitted with LED sources.

Extruded aluminium body with aluminium terminals. Plaster white finish. Diffuse indirect emission. Low luminance direct emission (EN 12464-1, UGR < 19 and L65 < 3000 cd/m²). Pre-set for multiple lighting effects: direct light, indirect light, mixed direct/indirect light. Fitted with two steel suspension cables with an Auto Block-System ABS micrometric regulation. The fixture can be adjusted vertically +/- 15°. Integrated quick IN/OUT connectors to connect to the power supply. Pre-set for modular configurations with dedicated optional accessories complete with wiring cable. Integrated electronic or electronic dimmable DALI driver. Emergency unit available as an accessory. To be completed with a standard transparent power cable or DALI complete with plaster white canopy.

220-240V 50/60Hz



LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
48W	plaster white	electronic	WW 3000K	TS 803	1T4063
48W	plaster white	electronic	NW 4000K	TS 840	1T4065
48W	plaster white	dimmable DALI	WW 3000K	TS 803	1T4067
48W	plaster white	dimmable DALI	NW 4000K	TS 840	1T4069



Canopy

Plaster white	Standard	1T4071
Plaster white	DALI	1T4072

Emergency lighting

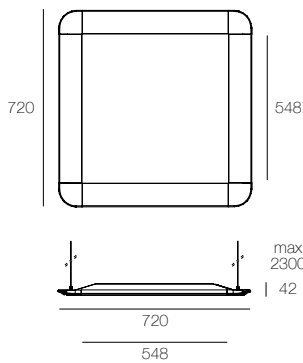
	Led remote battery pack. Non-Maintained emergency. 3H autonomy.	1T4074
--	-----------------------------------------------------------------	------------------------

Linear connector

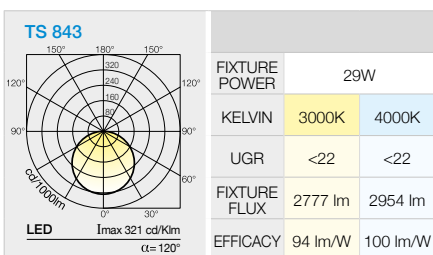
	Standard	1T4075
	DALI	1T4240

Direct light suspension fixture fitted with LED sources. Extruded aluminium body with aluminium terminals. Plaster white finish. Uniform direct emission (UGR<22). Fitted with two steel suspension cables with an Auto Block-System ABS micrometric regulation. The fixture can be adjusted vertically +/-15°. Integrated quick input connectors to connect to the power supply. Integrated electronic driver or electronic dimmable DALI. Emergency unit available as an accessory. To be completed with a standard transparent power cable or DALI complete with plaster white canopy.

220-240V 50/60Hz



LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
26W	plaster white	electronic	WW 3000K	TS 843	1T4241
26W	plaster white	electronic	NW 4000K	TS 843	1T4243
26W	plaster white	dimmable DALI	WW 3000K	TS 843	1T4242
26W	plaster white	dimmable DALI	NW 4000K	TS 843	1T4244

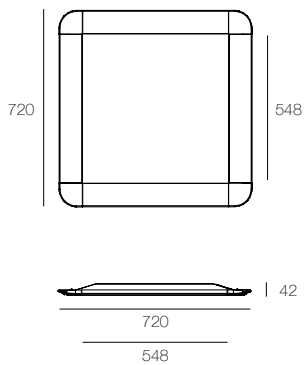


Canopy		
Plaster white	Standard	1T4071
Plaster white	DALI	1T4072

Emergency lighting		
	Led remote battery pack. Non-Maintained emergency. 3H autonomy.	1T4074

Direct light suspension fixture fitted with LED sources. Extruded aluminium body with aluminium terminals. Plaster white finish. Uniform direct emission (UGR<22). Fitted with two steel suspension cables with an Auto Block-System ABS micrometric regulation. The fixture can be adjusted vertically +/-15°. Integrated quick input connectors to connect to the power supply. Integrated electronic driver or electronic dimmable DALI. Emergency unit available as an accessory. To be completed with a standard transparent power cable or DALI complete with plaster white canopy.

220-240V 50/60Hz



LED	FINISHES	POWER SUPPLY	LED COLOR	△	CODE
26W	plaster white	electronic	ww 3000K	TS 843	1T4245
26W	plaster white	electronic	nw 4000K	TS 843	1T4247
26W	plaster white	dimmable DALI	ww 3000K	TS 843	1T4246
26W	plaster white	dimmable DALI	nw 4000K	TS 843	1T4248

TS 843

FIXTURE POWER	29W	
KELVIN	3000K	4000K
UGR	<22	<22
FIXTURE FLUX	2777 lm	2954 lm
EFFICACY	94 lm/W	100 lm/W

LED I_{max} 321 cd/Klm α=120°

Emergency lighting

Led remote battery pack.
Non-Maintained emergency.
3H autonomy.

1T4074

SHERAZADE

design P. Targetti, L. Querci, L. Gigli, M. Materassi

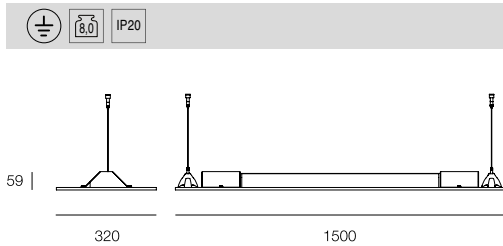


BLACK AND WHITE CHARM

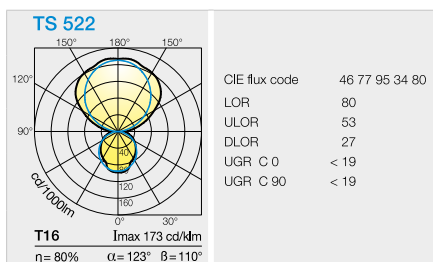
A direct/indirect-light suspension born from the Sherazade lighting system, which is destined for stand alone use. An ultra-thin sheet, in the absolute colours of black and white, that cuts and characterizes the space. A pure and high-performance design allow for the fixture to adapt to any environment where light must act as a protagonist. A sandblasted screen for softly diffused lighting.

SUSPENSION

Suspension for direct and indirect light emission for linear fluorescent lamps. Slab in polished white or black polymethylmethacrylate (PMMA). Diffusive screen to control direct emission. Die-cast aluminium mounting elements. Steel suspension cable (L = 2000mm) with micrometric Auto Block-System ABS. Integrated electronic and DALI dimmable power supply. Transparent feeding cable complete with canopy.



T16	VERSION	COLOUR	POWER SUPPLY	△	CODE
G5	2x 54W diffusive screen	white	electronic	TS 522	1T2264
	2x 54W diffusive screen	white	Dimmable DALI	TS 522	1T2264DA
	2x 54W diffusive screen	black	electronic	TS 522	1T2265
	2x 54W diffusive screen	black	Dimmable DALI	TS 522	1T2265DA



PLANE

design Daniel Bernard

DIRECT/INDIRECT LIGHT SUSPENSION AND CEILING MOUNTED FIXTURE FOR LINEAR FLUORESCENT LAMPS



ELEGANT BEAM OF LIGHT

A direct/indirect-light suspension fixture which is both elegant and minimalist thanks to its slender profile and special screen capable of perfect light management. The screen softly distributes the light, creating a clean and incredibly uniform effect.

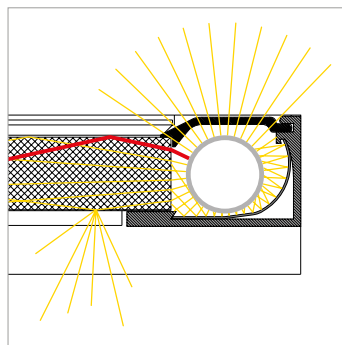


LIGHT LINES

Following the new trends in office design, PLANE fixture can be installed as a system, for illuminating large work stations, with sequentially positioned fixtures using a single power supply.

SOFT AND CONTROLLED LIGHT

High-performance and maximum visual comfort thanks to a special system of reflectors and diffusers which direct the light and distribute it uniformly throughout the space, thereby guaranteeing correct and balanced luminance values which respect the performance requirements prescribed by the current standards. Available with electronic and dimmable DALI with "Easy Dimm" power supplies.



AUTO BLOCK SYSTEM

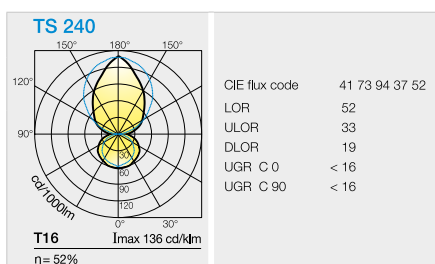
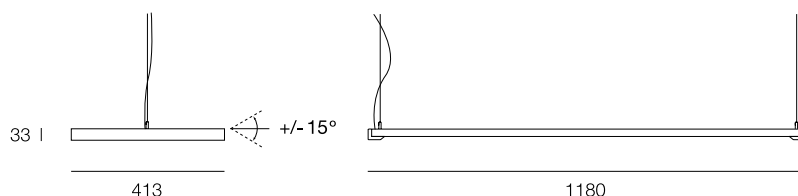
A micrometric adjustment Auto Block System ABS, complete with canopy, providing the possibility of inclining the fixture on the horizontal axis by $\pm 15^\circ$, for an improved functional simplicity and flexibility.

SUSPENSION

Suspension fixture with direct and indirect light emission for linear fluorescent lamps. Aluminium body with sides in aluminium finish and terminals in titanium finish. Silk screen printed white methacrylate screen, upper part in opal finish and lower part in sandblasted finish. Specular aluminium reflector. Available with electronic or dimmable electronic power supply inserted in the fixture's body. Steel suspension cables and transparent feeding cable complete with canopy, 2000 mm length. Micrometric Auto Block-System ABS, providing the possibility of inclining the fixture +/-15° on its horizontal axis.



T16		POWER SUPPLY		CODE
G5	2x 28W	electronic		TS 240 1T0231
	2x 28W	dimnable DALI		TS 240 1T0231D
	2x 54W	electronic		TS 240 1T0230
	2x 54W	dimnable DALI		TS 240 1T0230D



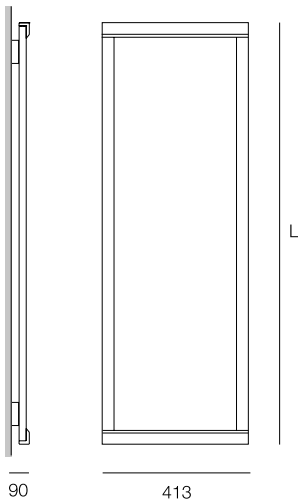
CEILING/WALL

Wall and ceiling mounted fixture with direct and indirect light emission for linear fluorescent lamps.

Aluminium body with sides in aluminium finish and terminals in titanium finish. Silk screen printed white methacrylate screen, internal part in opal finish and external part in sandblasted finish. Specular aluminium reflector. Electronic power supply inserted in the fixture's body. Dimmable electronic power supply available upon request.



IP40



T16	POWER SUPPLY	LENGTH L	WEIGHT	△	CODE
G5 2x 24W	electronic	580 mm	6,0 Kg	TS 240	1T1100
2x 54W	electronic	1180 mm	8,0 Kg	TS 240	1T1102

PLANE SYSTEM

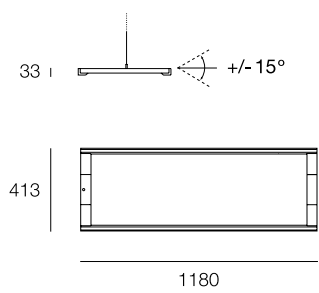


LIGHT SYSTEM

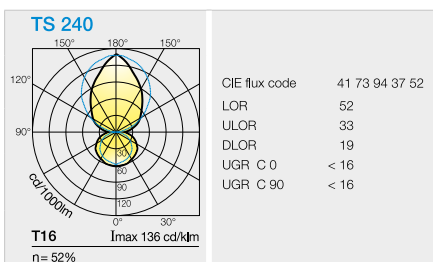
Thanks to the combination of a "master" module with various "slave" modules, it is possible to obtain continuous lines of light using a single power supply available even in dimmable DALI with "Easy Dimm".

Modular suspension with direct/indirect light emission for linear fluorescent lamps.

This can be mounted in a system configuration by connecting a "master" lighting module with one or more "slave" modules. Aluminium body with sides in aluminium finish and terminals painted in titanium finish. Silk screen printed white methacrylate screen, internal part in opal finish and external part in sandblasted finish. Specular aluminium reflector. Electronic or dimmable DALI with "Easy Dimm" power supply inserted in the fixture's body. The "master" module is complete with two suspension steel cables that have a micrometric Auto Block-System ABS and can be inclined +/-15° horizontally; complete with a transparent 2000 mm feeding cable with canopy. "Slave" module equipped with suspension cable only.



T16	VERSION	POWER SUPPLY	△	CODE
G5	2x 54W master	electronic	TS 240	1T0230
	2x 54W master	dimnable DALI	TS 240	1T0230D
	2x 54W slave	electronic	TS 240	1T1104
	2x 54W slave	dimnable DALI	TS 240	1T2660



SLIM

design Daniel Bernard

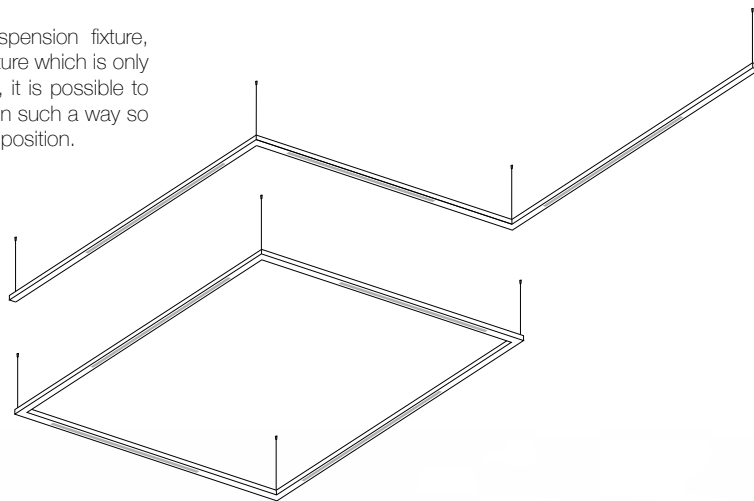


IED - Florence, Italy

INDIRECT OR DIRECT/INDIRECT MODULAR SUSPENSION FOR LED SOURCES AND LINEAR FLUORESCENT LAMPS

EXTREMELY THIN

Surprisingly thin and minimalist, SLIM is a professional suspension fixture, providing indirect or combined direct/indirect lighting, in a structure which is only 40mm wide and 26 mm high. Thanks to the accessory joints, it is possible to assemble the single-lamp modules in-line, or with 90° angles, in such a way so as to create closed or open systems, with total freedom of composition.



SLIM RECTANGLE

The simplicity of the SLIM system in a closed rectangular module for two linear fluorescent lamps or LEDs, available in both the indirect-only lighting version, as well as in the combined direct and indirect lighting version. These fixtures can also take advantage of special joints, which offer maximum installation flexibility, to be configured as a complete lighting system.



DOUBLE EFFECT

The indirect-only lighting version is equipped with a single thin aluminium element, while the direct/indirect lighting version is embellished with a frosted polycarbonate diffusive screen to provide for perfectly diffused illumination.

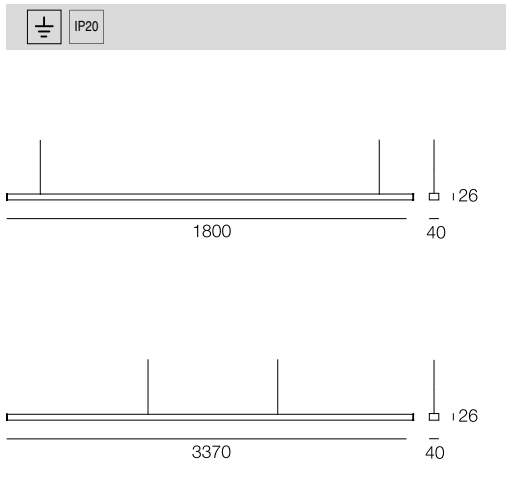


SLIM WALL
see page 436



SLIM LINE

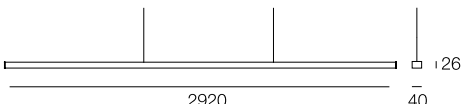
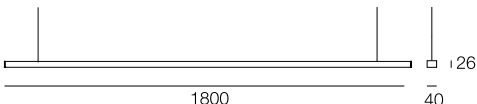
Indirect or direct/indirect modular suspension for LED sources and linear fluorescent lamps. Body made of extruded anodised aluminium. Polycarbonate lateral end caps. Transparent polycarbonate upper safety screen. Lower diffusive screen made of ribbed, extruded opal polycarbonate. Steel suspension cables (L = 2000mm) with micrometric Auto Block-System ABS. The modules 1800mm length can be connected in straight line or 90° corner. LED version: integrated electronic power supply. Fluorescent version: integrated electronic multipower or dimmable DALI power supply. Short modules can be installed in a linear or 90° system configuration by means of specific accessories.



LED	EMISSION	POWER SUPPLY	LED COLOUR	LENGTH		CODE
18W	indirect	electronic	ww 3000K	1800 mm	4.0	TS 751 1T4186
36W	direct/indirect	electronic	ww 3000K	1800 mm	4.0	TS 752 1T4187
36W	indirect	electronic	ww 3000K	3370 mm	7.2	TS 751 1T4188
72W	direct/indirect	electronic	ww 3000K	3370 mm	7.2	TS 752 1T4189

To be completed with feeding cable, code 1V7523 o 1V7213.

VI 110	VI 111	TS 751	TS 752																														
<p>T16 η = 57% I_{max} 219 cd/klm</p>	<p>T16 η = 63% α = 107° β = 105° I_{max} 178 cd/klm</p>	<p>LED α = 117° I_{max} 318 cd/klm</p>	<p>LED α = 117° I_{max} 159 cd/klm</p>																														
		<table border="1"> <tr> <td>FIXTURE POWER</td> <td>21W</td> <td>42W</td> </tr> <tr> <td>KELVIN</td> <td colspan="2">3000K</td> </tr> <tr> <td>LED FLUX</td> <td>2590 lm</td> <td>5180 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2353 lm</td> <td>4705 lm</td> </tr> <tr> <td>EFFICACY</td> <td>112 lm/W</td> <td>112 lm/W</td> </tr> </table>	FIXTURE POWER	21W	42W	KELVIN	3000K		LED FLUX	2590 lm	5180 lm	FIXTURE FLUX	2353 lm	4705 lm	EFFICACY	112 lm/W	112 lm/W	<table border="1"> <tr> <td>FIXTURE POWER</td> <td>41W</td> <td>82W</td> </tr> <tr> <td>KELVIN</td> <td colspan="2">3000K</td> </tr> <tr> <td>LED FLUX</td> <td>5180 lm</td> <td>10360 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>3865 lm</td> <td>7731 lm</td> </tr> <tr> <td>EFFICACY</td> <td>94 lm/W</td> <td>94 lm/W</td> </tr> </table>	FIXTURE POWER	41W	82W	KELVIN	3000K		LED FLUX	5180 lm	10360 lm	FIXTURE FLUX	3865 lm	7731 lm	EFFICACY	94 lm/W	94 lm/W
FIXTURE POWER	21W	42W																															
KELVIN	3000K																																
LED FLUX	2590 lm	5180 lm																															
FIXTURE FLUX	2353 lm	4705 lm																															
EFFICACY	112 lm/W	112 lm/W																															
FIXTURE POWER	41W	82W																															
KELVIN	3000K																																
LED FLUX	5180 lm	10360 lm																															
FIXTURE FLUX	3865 lm	7731 lm																															
EFFICACY	94 lm/W	94 lm/W																															



T16	EMISSION	POWER SUPPLY	LENGHT		△	CODE
G5 28W/54W	indirect	electronic multipower	1800 mm		VI 110	1V7337
28W/54W	indirect	Dimmable DALI	1800 mm		VI 110	1V7337DA
28W/54W	direct/indirect	electronic multipower	1800 mm		VI 111	1V7338
28W/54W	direct/indirect	Dimmable DALI	1800 mm		VI 111	1V7338DA

To be completed with off-center canopy complete with feeding cable.

2x 28/54W	indirect	electronic multipower	2920 mm		VI 110	1V7335
2x 28/54W	indirect	Dimmable DALI	2920 mm		VI 110	1V7335DA
2x 28/54W	direct/indirect	electronic multipower	2920 mm		VI 111	1V7336
2x 28/54W	direct/indirect	Dimmable DALI	2920 mm		VI 111	1V7336DA

Complete with transparent feeding cable.
To be completed with cableless off-center canopy, code 1V7524 or 1V7213AB.

FEEDING AND SUSPENSION CABLES			CODE
Three pole feeding cable*	length 5000 mm		1V7262
Three pole feeding cable*	length 10000 mm		1V7263
Steel suspension cable*	length 10000 mm		1V7264
Canopy without feeding cable	square		1V7524
Canopy without feeding cable	circular		1V7213AB

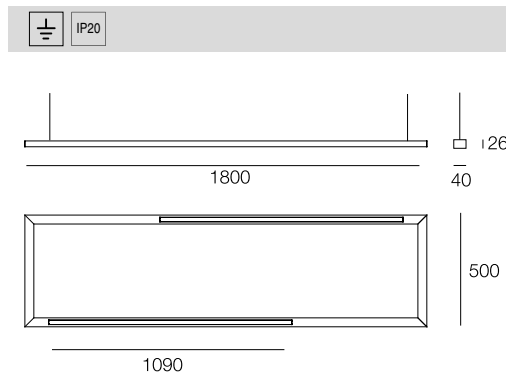
* Accessories to be ordered only for installations higher than 2000 mm. 2x 28/54W versions excluded.

ACCESSORIES			
	Joint for connecting two modules in line or at 90°. For the codes: 1V7337, 1V7337DA, 1V7338, 1V7338DA, 1T4186, 1T4187, 1T4188, 1T4189.	straight line 90° corner	1V7344 1V7345
	Power supply Kit Off-center canopy completed with feeding cable L. 2000 mm. Maximum power 2kW.	square circular circular DALI	1V7523 1V7213 1V7213DA

NOTE: In system like installations the quantity of feeding cables to be ordered depends on how many separate modules one decides to turn on.

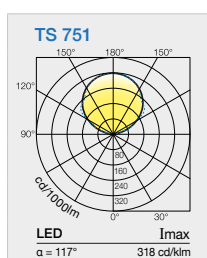
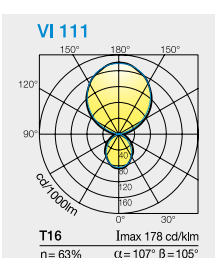
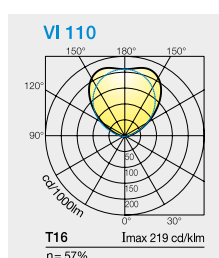
SLIM RECTANGLE

Indirect or direct/indirect modular suspension for LED sources and for linear fluorescent lamps. Body made of extruded anodised aluminium. Polycarbonate lateral end caps. Transparent polycarbonate upper safety screen. Lower diffusive screen made of ribbed, extruded opal polycarbonate. Steel suspension cables (L = 2000mm) with micrometric Auto Block- System ABS. Single modules can be installed in a system configuration by means of specific accessories. LED version: integrated electronic power supply. Fluorescent version: integrated electronic multipower and dimmable DALI power supply. To be completed with feeding cable complete with off-center canopy.

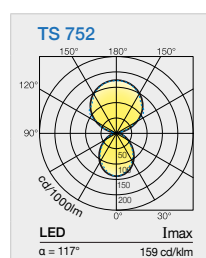


LED	EMISSION	POWER SUPPLY	LED COLOUR		CODE
48W	indirect	electronic	WW 3000K		TS 751 1T4190
96W	direct/indirect	electronic	WW 3000K		TS 752 1T4191

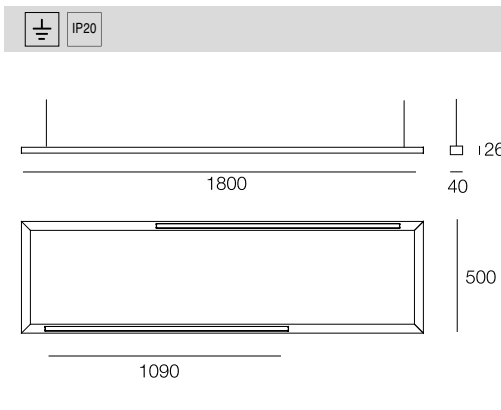
To be completed with feeding cable, code 1V7523 o 1V7213.



FIXTURE POWER	55W
KELVIN	3000K
LED FLUX	6880 lm
FIXTURE FLUX	6249 lm
EFFICACY	114 lm/W



FIXTURE POWER	110W
KELVIN	3000K
LED FLUX	13760 lm
FIXTURE FLUX	10268 lm
EFFICACY	93 lm/W



T16	EMISSION	POWER SUPPLY	△	CODE
G5	2x 28/54W indirect	electronic multipower		VI 110 1V7333
	2x 28/54W indirect	Dimmable DALI		VI 110 1V7333DA
	2x 28/54W direct/indirect	electronic multipower		VI 111 1V7334
	2x 28/54W direct/indirect	Dimmable DALI		VI 111 1V7334DA

To be completed with feeding cable, code 1V7523 o 1V7213.

FEEDING AND SUSPENSION CABLES*			CODE
Three pole feeding cable	length 5000 mm		1V7262
Three pole feeding cable	length 10000 mm		1V7263
Steel suspension cable	length 10000 mm		1V7264
Canopy without feeding cable	square		1V7524
Canopy without feeding cable	circular		1V7213AB

* Accessories to be ordered only for installations higher than 2000 mm.

ACCESSORIES

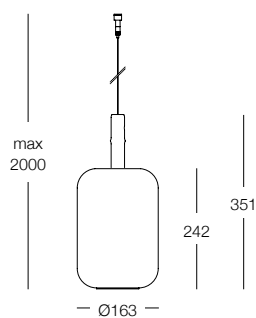
	Joint for connecting two modules in line.	1V7343		Power supply Kit Off-center canopy completed with feeding cable L 2000 mm. Maximum power 2kW.	square	1V7523
					circular	1V7213
					circular DALI	1V7213DA

Note: In system like installations the quantity of feeding cables to be ordered depends on how many separate modules one decides to turn on.

GLASS AND OPAL

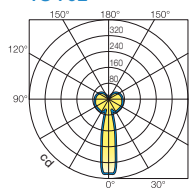
WASABI

Diffused LED light suspension fixture. Satin polished and painted heat dissipator. Diffuser in glazed opal glass. Dimmable LED module 230V 3000K. Complete with suspension cable and power supply. No driver necessary.



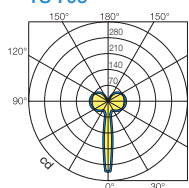
LED	FINISHES	LED COLOR	△	CODE
13W	plaster white	ww 3000K	TS 792	1T3979
13W	deep black	ww 3000K	TS 792	1T3980

TS 792



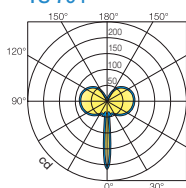
LED I_{max}
 $\alpha = 21^\circ$ 377 cd

TS 793



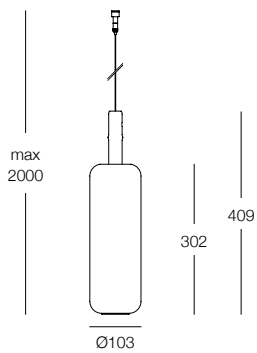
LED I_{max}
 $\alpha = 14^\circ$ 319 cd



TS 794

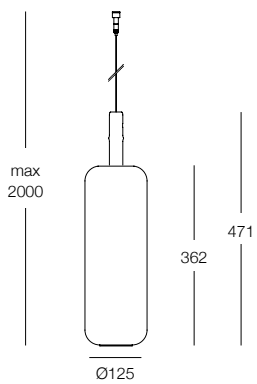




LED I_{max}
 $\alpha = 9^\circ$ 202 cd

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com



LED		FINISHES	LED COLOR		CODE
13W		plaster white	WW 3000K	TS 793	1T3985
13W		deep black	WW 3000K	TS 793	1T3986



LED		FINISHES	LED COLOR		CODE
13W		plaster white	WW 3000K	TS 794	1T3991
13W		deep black	WW 3000K	TS 794	1T3992

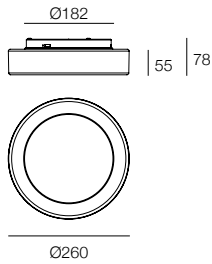
ACCESSORIES

Canopy

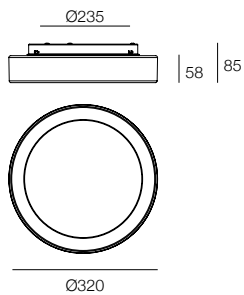
[1T3978](#)

BOTTONE

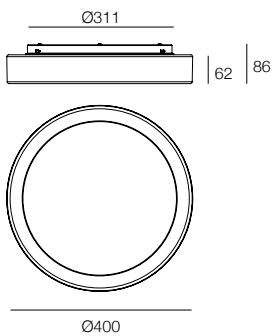
Wall mounted or ceiling mounted LED fixture. White painted metal mounting plate. Dimmable LED module 230V 3000K. Diffuser in glazed opal glass. No driver necessary.



LED	GLASS	LED COLOR	△	CODE
14W	glazed	ww 3000K	TS 797	1T3997



LED	GLASS	LED COLOR	△	CODE
18W	glazed	ww 3000K	TS 796	1T3998



LED	GLASS	LED COLOR	△	CODE
18W	glazed	ww 3000K	TS 795	1T3999



BUBBLE

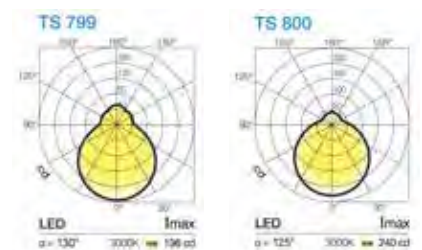
Wall mounted or ceiling mounted LED fixture. White painted metal mounting plate. Dimmable LED module 230V 3000K. Diffuser in glazed opal glass. No driver necessary.



LED		GLASS	LED COLOR		CODE
18W		glazed	ww 3000K	TS 800	1T4000

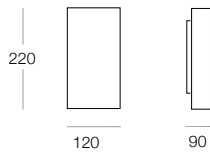
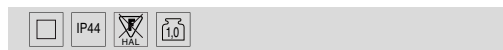


LED		GLASS	LED COLOR		CODE
18W		glazed	ww 3000K	TS 799	1T4001

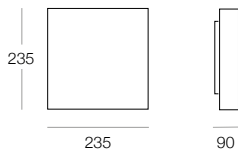


PROFESSIONAL

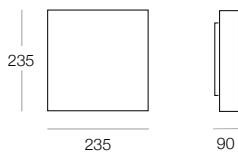
Wall or ceiling mounted fixture for halogen or compact fluorescent lamps. White painted metal body and satin opaline white glass diffuser. Integrated electronic power supply for fluorescent lamps version.



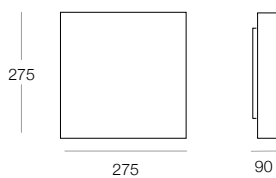
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	374604IP



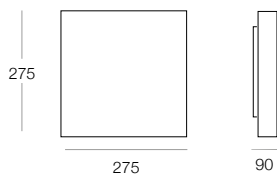
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	374404IP



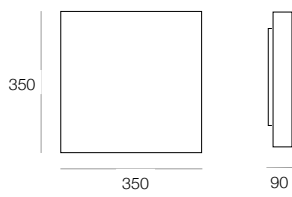
TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	26W glazed	electronic	374404E



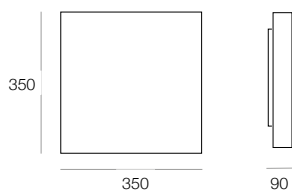
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	374414IP



TC-DEL		GLASS	POWER SUPPLY	CODE
G24q-2	2x 18W	glazed	electronic	374414E



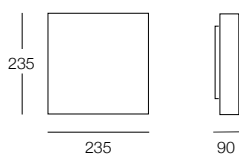
TC-TEL		GLASS	POWER SUPPLY	CODE
GX24q-3	2x max 42W	glazed	electronic	374424E



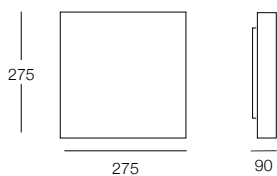
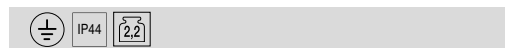
FLUO HAL		GLASS	POWER SUPPLY	CODE
E27	3X max 42W	glazed	-	374424IP

PROFESSIONAL LED

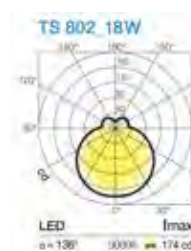
Wall mounted or ceiling mounted LED fixture. White painted metal fixing plate. Dimmable LED module 230V 3000K. Diffuser in glazed opal glass. No driver necessary.



LED	GLASS	LED COLOR	△	CODE
14W	glazed	ww 3000K	TS 802	1T4005



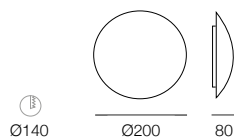
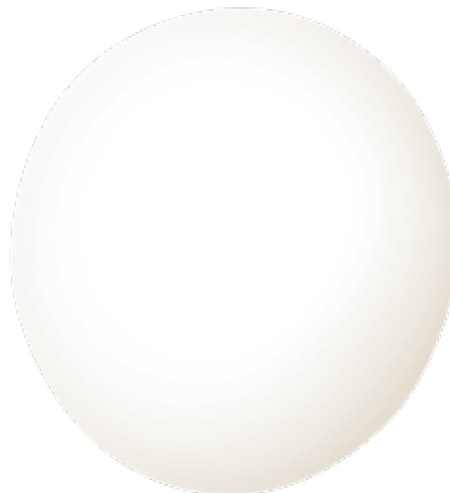
LED	GLASS	LED COLOR	△	CODE
18W	glazed	ww 3000K	TS 802	1T4006



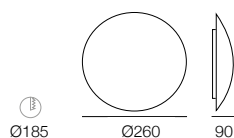


OSIRIDE

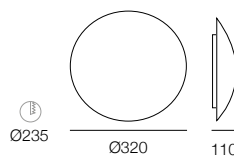
Wall or ceiling mounted fixture for halogen or compact fluorescent lamps. Metal body and opaline glass diffuser. Versions without metal finish ring. Can be installed also as semi-recessed. Integrated electronic power supply for fluorescent lamps version.



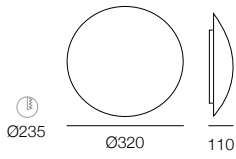
HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	323494IP



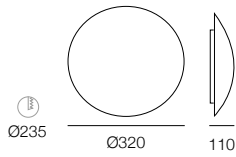
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	323404IP



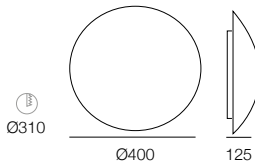
TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	26W glazed	electronic	323414EE



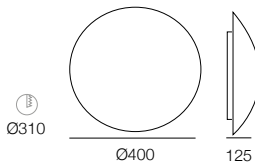
TC-DEL	GLASS	POWER SUPPLY	CODE
G24q-2	2x18W glazed	electronic	323414E



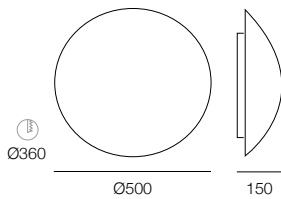
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	323414IP



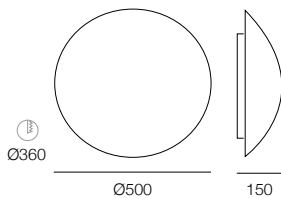
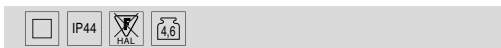
TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	2x 26W glazed	electronic	323424E



FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	323424IP



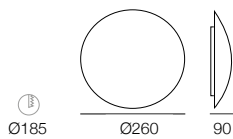
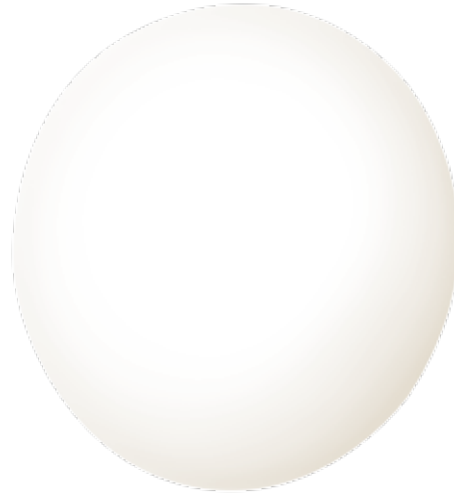
TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	2x 32W glazed	electronic	323434E



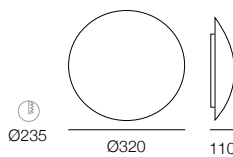
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	323434IP

OSIRIDE LED

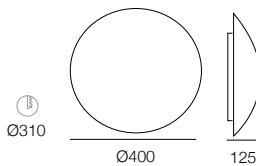
Wall mounted or ceiling mounted LED fixture. White painted metal fixing plate. Dimmable LED module 230V 3000K. Diffuser in glazed opal glass. No driver necessary.



LED	GLASS	LED COLOR	△	CODE
14W	glazed	ww 3000K	TS 801	1T4002



LED	GLASS	LED COLOR	△	CODE
18W	glazed	ww 3000K	TS 801	1T4003



LED	GLASS	LED COLOR	△	CODE
18W	glazed	ww 3000K	TS 801	1T4004



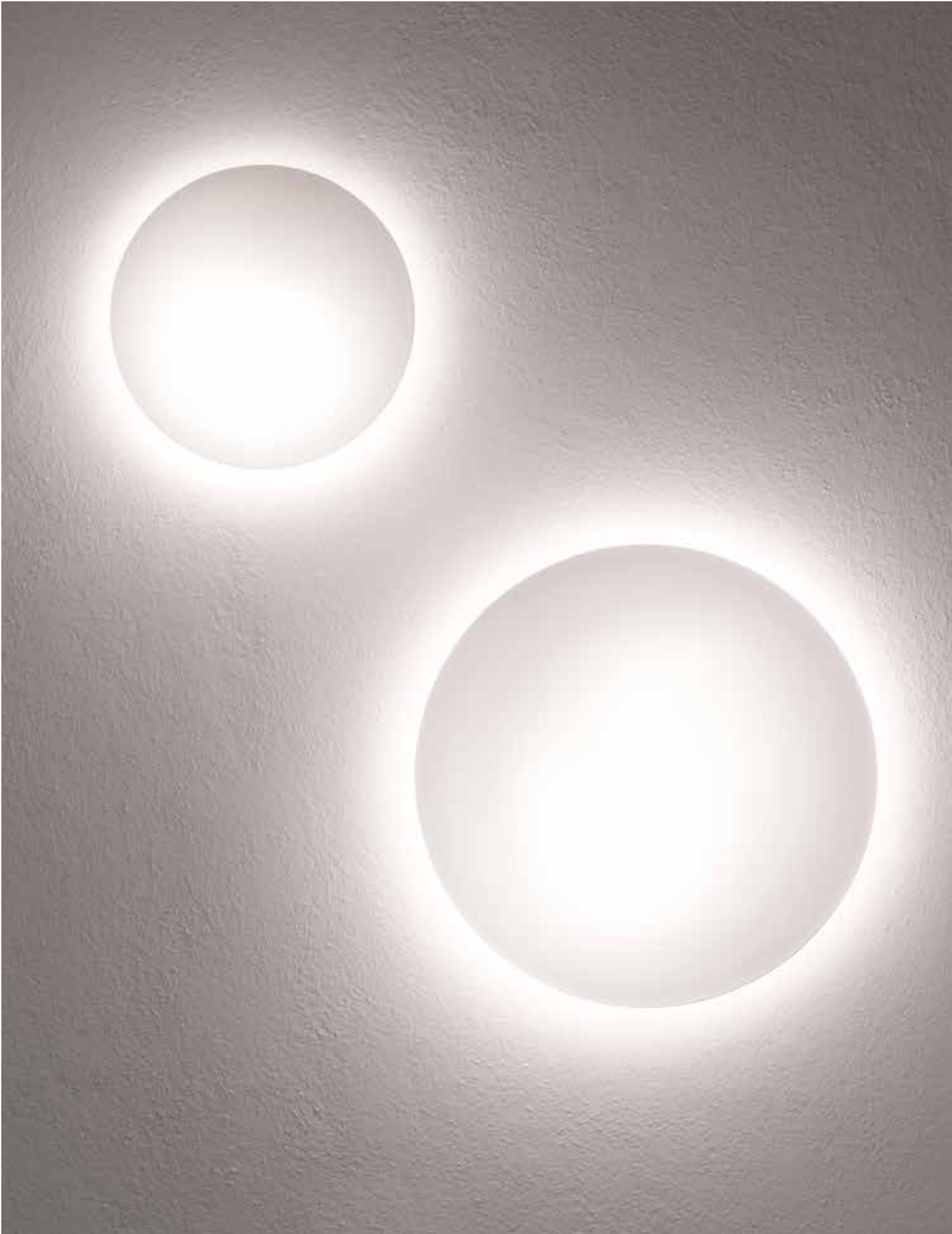
LED lamp included.

ACCESSORIES



Support for mounting the luminaire as downlight

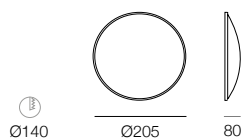
[323900](#)



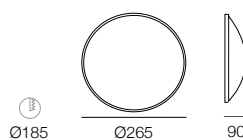
OSIRIDE

CHROME FRAME

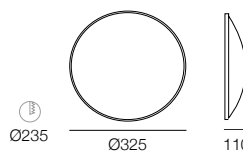
Wall or ceiling mounted fixture for halogen or compact fluorescent lamps. Metal body and opaline glass diffuser. Complete with metal finish ring. Integrated electronic power supply for fluorescent lamps version.



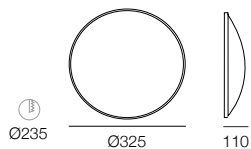
HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	349490IP



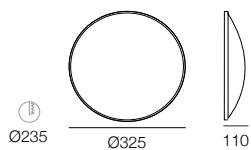
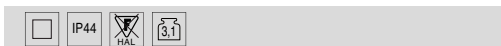
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	max 42W glazed	-	349400IP



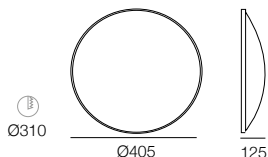
TC-TEL 	GLASS	POWER SUPPLY	CODE
GX24q-3	26W glazed	electronic	349410EE



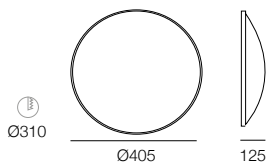
TC-DEL	GLASS	POWER SUPPLY	CODE
G24q-2	2x18W glazed	electronic	349410E



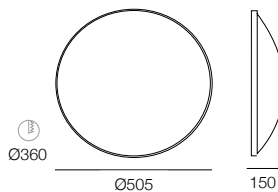
FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	349410IP



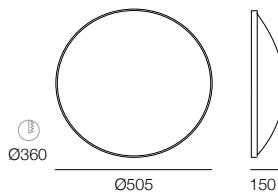
TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	2x 26W glazed	electronic	349420E



FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	349420IP



TC-TEL	GLASS	POWER SUPPLY	CODE
GX24q-3	2x 32W glazed	electronic	349430E

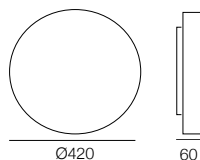


FLUO HAL	GLASS	POWER SUPPLY	CODE
E27	2x max 42W glazed	-	349430IP

ROCKET

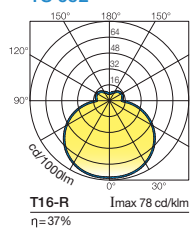
CEILING MOUNTED

Wall or ceiling mounted fixture for circular fluorescent lamps. Metal white painted base and opaline glass diffuser. Integrated electronic power supply.



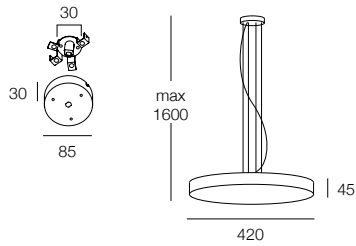
T16-R		GLASS	POWER SUPPLY		CODE
2GX13	55W	glazed	electronic	TS 652	380454IP

TS 652



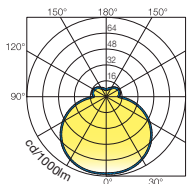
SUSPENSION

Diffused emission suspension fixture for circular fluorescent lamps. Metal frame and white opaline glass diffuser. Complete with steel suspension cables (L = 1600 mm) with ceiling micrometric "Zip regulation system". Integrated electronic power supply. Complete with feeding cable (L = 2500 mm) and canopy.



T16-R	GLASS	POWER SUPPLY	△	CODE
2GX13 55W	glazed	electronic	TS 652	380514

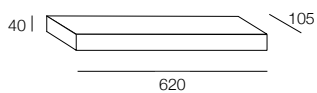
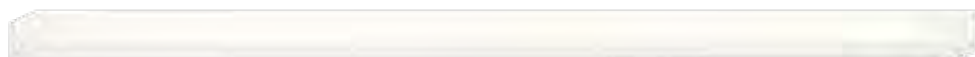
TS 652



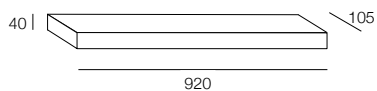
T16-R I_{max} 78 cd/klm
 $\eta = 37\%$

QUEEN

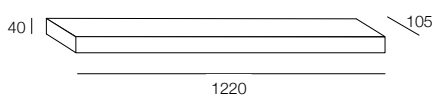
Diffused emission wall or ceiling mounted fixture for linear fluorescent lamps. Painted aluminium upper cover, body consisting of a unique PMMA sandblasted methacrylate slab properly milled to house the light source. Integrated electronic power supply.



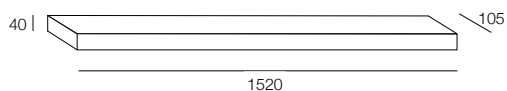
T16		GLASS	POWER SUPPLY	△	CODE
G5	2x24W	glazed	electronic	ES 129	398620



T16		GLASS	POWER SUPPLY	△	CODE
G5	2x 21/39W	glazed	electronic multipower	ES 129	398630

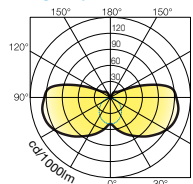


T16		GLASS	POWER SUPPLY	△	CODE
G5	2x 28/54W	glazed	electronic multipower	ES 129	398640



T16		GLASS	POWER SUPPLY	△	CODE
G5	2x 35/49/80W	glazed	electronic multipower	ES 129	398650

ES 129



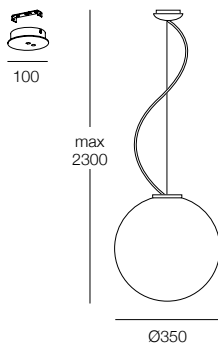
T16 I_{max} 130 cd/klm
 $\eta=60\%$

GLOBO

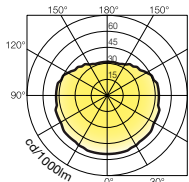
Diffused emission suspension fixture for halogen and LED lamp with E27 lamp holder or compact fluorescent lamps. Metal frame and opaline glass diffuser. Complete with steel suspension cables with ceiling regulation system. Complete with feeding cable (L = 2300mm) and canopy.



FLUO HAL	GLASS	POWER SUPPLY	△	CODE
E27	max 42W glazed	-	ES 050	344540



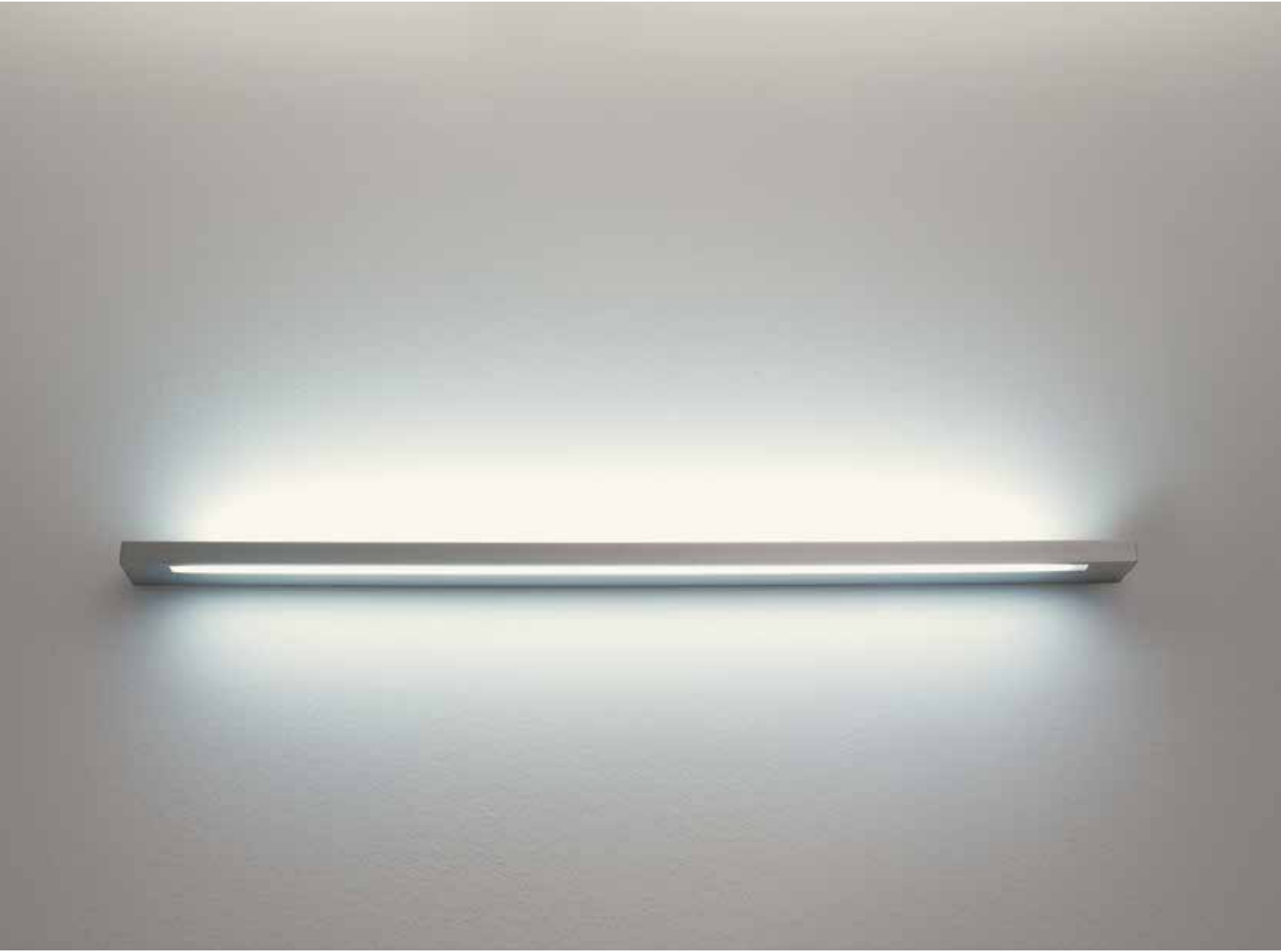
ES 050



A55 I_{max} 53 cd/klm
 $\eta = 57\%$

WALL-MOUNTED

SLIM WALL design Daniel Bernard

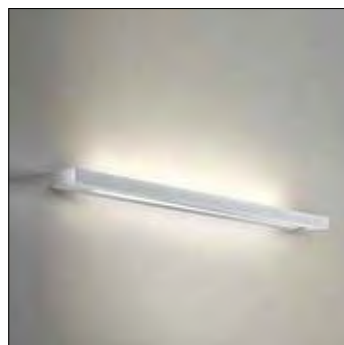


DOUBLE VERSION

Two versions, with indirect lighting only or combined direct/indirect lighting, complete with a screen; transparent in the upper portion and opal grooved in the lower portion in order to soften the effect. Thanks to the multi power ballast the fixture can mount lamps with different wattages for an increased flexibility.



indirect

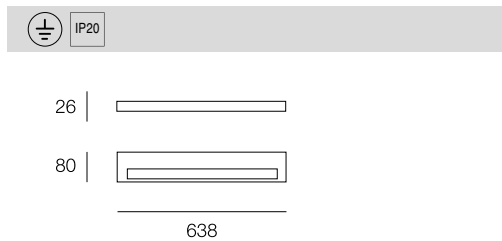


direct/indirect

SLIM suspension
see page 408

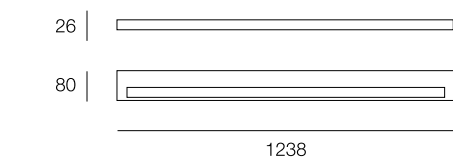


Indirect or direct/indirect modular suspension for LED sources and linear fluorescent lamps. Body made of extruded anodised aluminium. Polycarbonate lateral end caps. Transparent polycarbonate upper safety screen. Lower diffusive screen made of ribbed, extruded opal polycarbonate. LED version: integrated electronic power supply. Fluorescent version: integrated electronic multipower and dimmable DALI power supply.



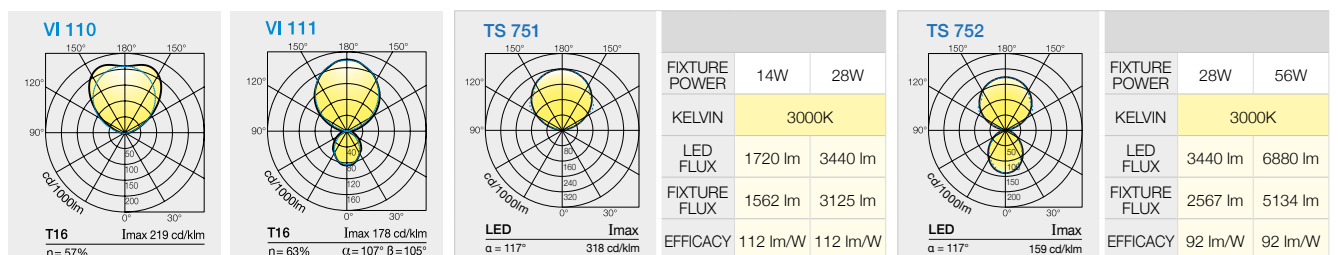
LED	OPTIC	LED COLOR	WEIGHT	△	CODE
12W	indirect	ww 3000K	1,8 Kg	TS 751	1T4192
24W	direct/indirect	ww 3000K	1,8 Kg	TS 752	1T4193

T16	OPTIC	POWER SUPPLY	WEIGHT	△	CODE
G5 24W	indirect	electronic	1,0 Kg	VI 110	1V7339
24W	direct/indirect	electronic	1,5 Kg	VI 111	1V7340



LED	OPTIC	LED COLOR	WEIGHT	△	CODE
24W	indirect	ww 3000K	3,7 Kg	TS 751	1T4194
48W	direct/indirect	ww 3000K	3,7 Kg	TS 752	1T4195

T16	OPTIC	POWER SUPPLY	WEIGHT	△	CODE
G5 28/54W	indirect	electronic multi power	1,9 Kg	VI 110	1V7341
28/54W	indirect	electronic multi power DALI	1,9 Kg	VI 110	1V7341DA
28/54W	direct/indirect	electronic multi power	1,9 Kg	VI 111	1V7342
28/54W	direct/indirect	electronic multi power DALI	1,9 Kg	VI 111	1V7342DA



MINIMA



The Groove - Loc. Pian dell'Isola - Incisa Val d'Arno (FI), Italy - Project: Eng. Luciano Marradi, Arch. Roberto Fabbri
Photographer: Alessandro Maurelli, Mareo Bartolozzi

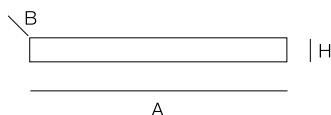
LINEAR AND SUBTLE

A single element, linear and subtle, with a depth of only 5,5 centimetres, obtained by forming a solid piece of material, with no folds or seams; the corners are sharp, with no visible coupling or fastening systems. The protective screen is perfectly flush and hides the light sources while diffusing the light perfectly.

WALL-MOUNTED

Wall mounted fixture for linear fluorescent lamps with indirect or direct/indirect light emission.

Body made of fireproof, painted polymer plastic or chrome version made of chromed aluminium with opal polycarbonate diffuser. Versions with direct/indirect light emission complete with upper protection screen. Integrated electronic power supply.

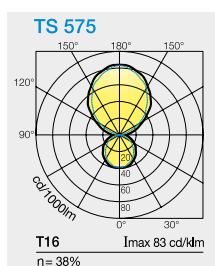
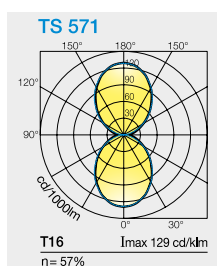
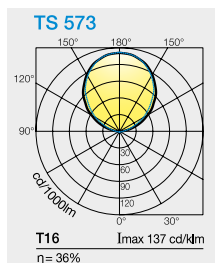
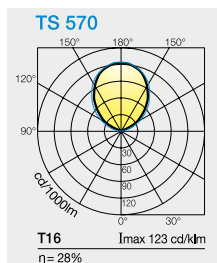


INDIRECT LIGHT

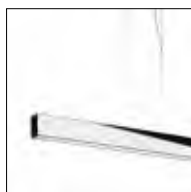
T16	COLOUR	DIMENSIONS (AxBxH)	WEIGHT	△	CODE
G5	39W chrome	900x30x62mm	2,2 Kg	TS 570	413600
	39W aluminium	900x58x55mm	1,2 Kg	TS 573	396609
	39W white	900x58x55mm	1,2 Kg	TS 573	1T4142
	39W black	900x58x55mm	1,2 Kg	TS 573	1T4143
	54W aluminium	1200x58x55mm	1,6 Kg	TS 573	396629
	54W white	1200x58x55mm	1,6 Kg	TS 573	1T4146
54W black	1200x58x55mm	1,6 Kg	TS 573	1T4147	

DIRECT/INDIRECT LIGHT

T16	COLOUR	DIMENSIONS (AxBxH)	WEIGHT	△	CODE
G5	39W chrome	900x30x62mm	2,1 Kg	TS 571	413610
	39W aluminium	900x58x55mm	1,2 Kg	TS 575	396619
	39W white	900x58x55mm	1,2 Kg	TS 575	1T4144
	39W black	900x58x55mm	1,2 Kg	TS 575	1T4145
	54W aluminium	1200x58x55mm	1,6 Kg	TS 575	396639
	54W white	1200x58x55mm	1,6 Kg	TS 575	1T4148
54W black	1200x58x55mm	1,6 Kg	TS 575	1T4149	



MINIMA CEILING MOUNTED AND SUSPENSION See page 374



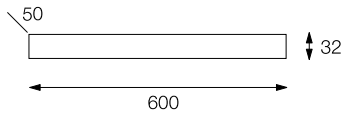
MINIMINIMA



White Sposa Atelier - Castiglion Fiorentino, Arezzo - Project: Andrea Rocchi - Photographer: Freely Photo

WALL-MOUNTED

Wall mounted fixture for linear fluorescent and LED sources with indirect or direct/indirect light emission. Body made of chromed or painted aluminium with opal polycarbonate diffuser. Version with direct/indirect light emission complete with upper protection screen. Integrated electronic power supply.



INDIRECT LIGHT

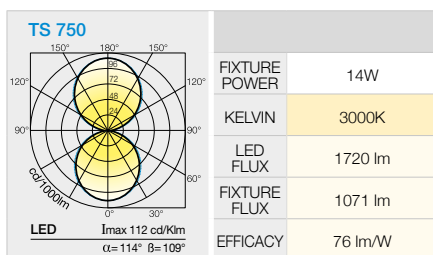
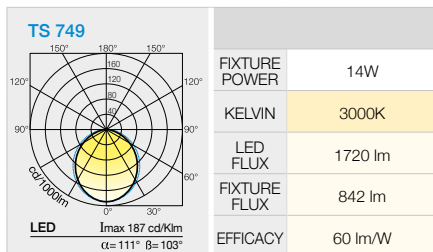
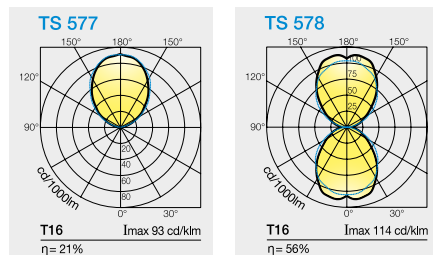
LED	FINISHES	LED COLOR	WEIGHT	△	CODE
12W	chrome	WW 3000K	1,2 Kg	TS 749	1T4170
12W	aluminium	WW 3000K	1,2 Kg	TS 749	1T4171
12W	white	WW 3000K	1,2 Kg	TS 749	1T4172
12W	black	WW 3000K	1,2 Kg	TS 749	1T4173

T16	FINISHES	WEIGHT	△	CODE
G5	24W chrome	1,2 Kg	TS 577	414600
	24W aluminium	1,2 Kg	TS 577	414609
	24W white	1,2 Kg	TS 577	1T4150
	24W black	1,2 Kg	TS 577	1T4151

DIRECT/INDIRECT LIGHT

LED	FINISHES	LED COLOR	WEIGHT	△	CODE
12W	chrome	WW 3000K	1,3 Kg	TS 750	1T4174
12W	aluminium	WW 3000K	1,3 Kg	TS 750	1T4175
12W	white	WW 3000K	1,3 Kg	TS 750	1T4176
12W	black	WW 3000K	1,3 Kg	TS 750	1T4177

T16	FINISHES	WEIGHT	△	CODE
G5	24W chrome	1,2 Kg	TS 578	414610
	24W aluminium	1,2 Kg	TS 578	414619
	24W white	1,2 Kg	TS 578	1T4152
	24W black	1,2 Kg	TS 578	1T4153



MINIMINIMA CEILING MOUNTED AND SUSPENSION See page 378



Q-BO



Point Hair Care Center - Helsinki, Finland. Lighting Design: Jukka Korpihete

MINIMALIST DESIGN IMPRESSIVE LIGHTING

The fixture provides both functional and impressive lighting, as well as decorative lighting aimed at characterising a space. The Q-BO wall fixture, with its simple and minimalist shape, is entirely realised in extruded anodised aluminium and is available in the small or large version for a double lighting effect.

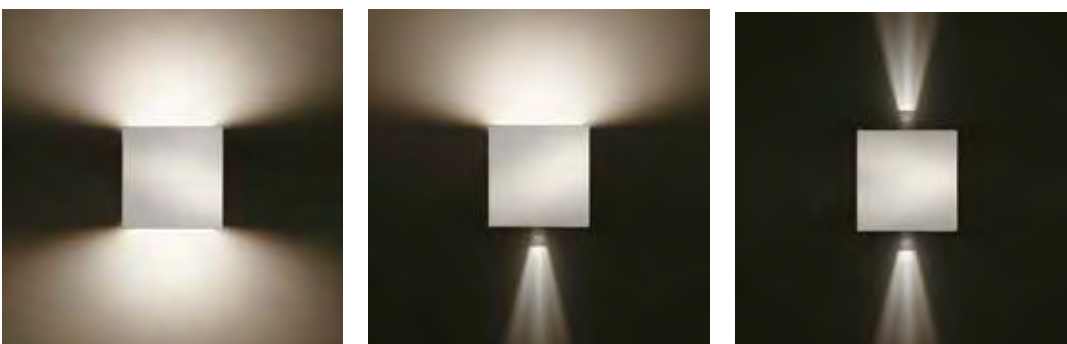
COMPLETE RANGE

In order to meet the market's functional and technical lighting requirements, Q-BO is available in various solutions; wall-mounted, ceiling mounted and suspension units with direct-only or direct/indirect emissions, for halogen and metal halide lamps.



DESIGN WITH LIGHT

In order to guarantee maximum flexibility of the lighting effect, the fixture can be completed with various accessories, such as sandblasted or blue silkscreened glass elements to soften or tint the beam, or else metal screens with slots to create extraordinary decorative effects.

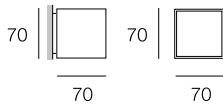
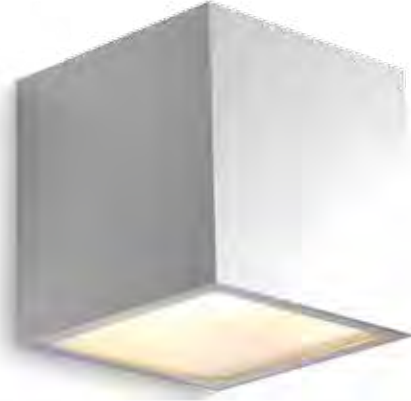


Q-BO

WALL

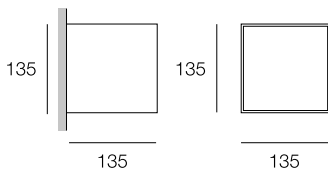
Wall mounted fixture with direct or direct/indirect light emission for halogen or metal halide lamps.

Body made of painted extruded aluminium white or natural finish. Discharge lamp version complete with electronic power supply located in the fastening plate. Supplied as standard without screens, which are available as accessories.



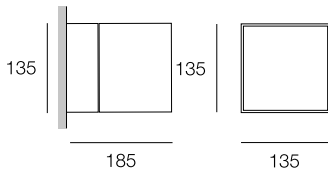
SMALL

QT14/c	EMISSION	COLOUR	WEIGHT	△	CODE
G9	max 20W direct	white	0,2 Kg	VI 079	1V7368
	max 20W direct	aluminium	0,2 Kg	VI 079	1V7171
	max 33W direct/indirect	white	0,2 Kg	VI 080	1V7369
	max 33W direct/indirect	aluminium	0,2 Kg	VI 080	1V7172



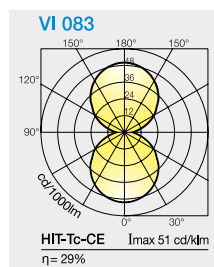
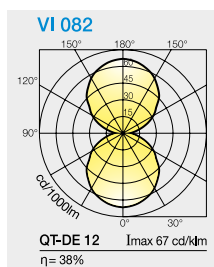
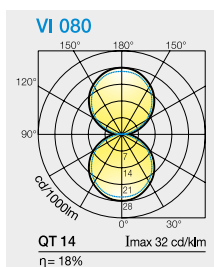
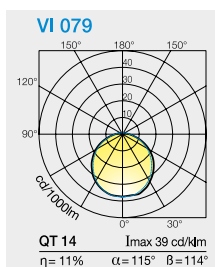
LARGE

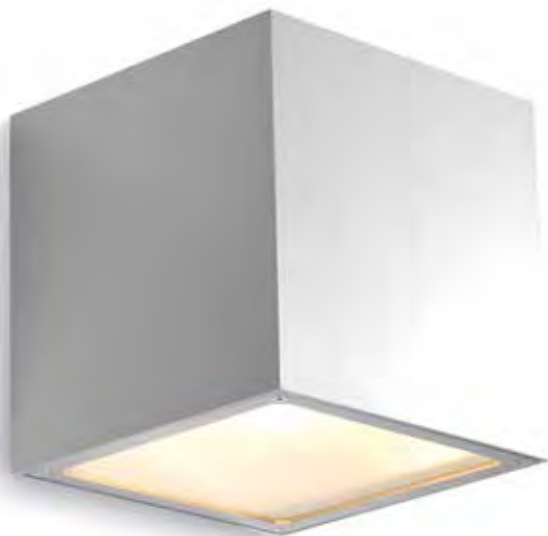
QT-DE 12 (74,9 mm)	EMISSION	COLOUR	WEIGHT	△	CODE
R7s	max 120W direct/indirect	white	1,2 Kg	VI 082	1V7372
	max 120W direct/indirect	aluminium	1,2 Kg	VI 082	1V7178







LARGE

HIT-Tc-CE	EMISSION	POWER SUPPLY	COLOUR	WEIGHT	△	CODE
G8.5	70W direct/indirect	electronic	white	1,9 Kg	VI 083	1V7373
	70W direct/indirect	electronic	aluminium	1,9 Kg	VI 083	1V7179





ACCESSORIES

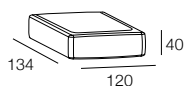
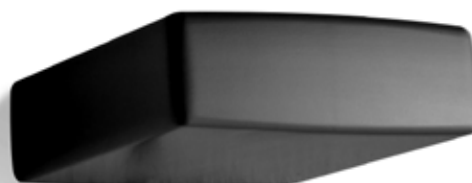
IP40		Aluminium frame with sandblasted glass	small version	1V7332
	large version		1V7331	
		Aluminium plate with central slot for light-blade effect	small version	1V7177
	large version		1V7184	
IP40		White frame with sandblasted glass	small version	1V7361
	large version		1V7360	
		White plate with central slot for light-blade effect	small version	1V7367
	large version		1V7364	

Q-BO SUSPENSION AND CEILING MOUNTED See page 382



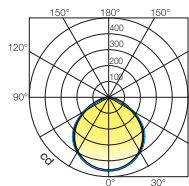
BROWNIE

Indirect emission wall mounted LED fixture. Matt painted aluminium body. Dimmable 230V LED source, does not require the driver. Transparent polycarbonate screen.



LED	FINISHES	LED COLOR	△	CODE
18W	plaster white	ww 3000K	TS 769	1T3744
18W	deep black	ww 3000K	TS 769	1T3745

TS 769

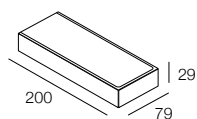
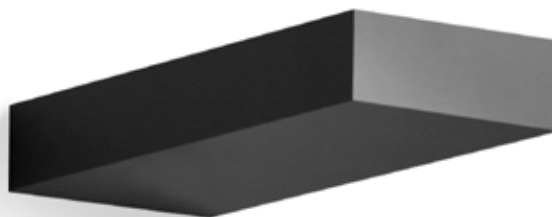


LED Imax
α = 110° 478 cd

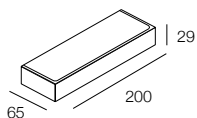
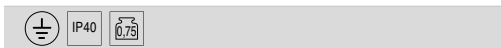
The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

BRAQUE

Indirect emission wall mounted fixture for dimmable 230V LED sources. Painted aluminium body. Transparent polycarbonate screen. It doesn't need to the driver.

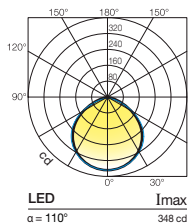


LED		FINISHES	LED COLOR	△	CODE
13W		plaster white	ww 3000K	TS 770	1T3762
13W		deep black	ww 3000K	TS 770	1T3763



LED		FINISHES	LED COLOR	△	CODE
13W		plaster white	ww 3000K	TS 770	1T3759
13W		deep black	ww 3000K	TS 770	1T3760

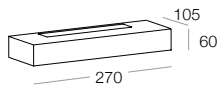
TS 770



The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

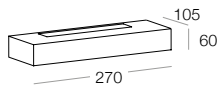
NET

Indirect or direct/indirect emission wall mounted fixture for compact fluorescent lamps. Body in painted baydur and sandblasted glass diffuser. Integrated electronic power supply.



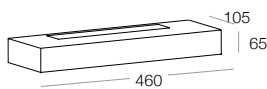
INDIRECT LIGHT

TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	26/32W	plaster white	electronic multipower	ES 066	39762B
	26/32W	deep black	electronic multipower	ES 066	39762N



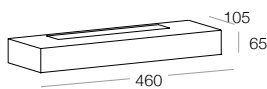
DIRECT/INDIRECT LIGHT

TC-TEL		FINISHES	POWER SUPPLY	△	CODE
GX24q-3	26/32W	plaster white	electronic multipower	ES 067	39763B
	26/32W	deep black	electronic multipower	ES 067	39763N



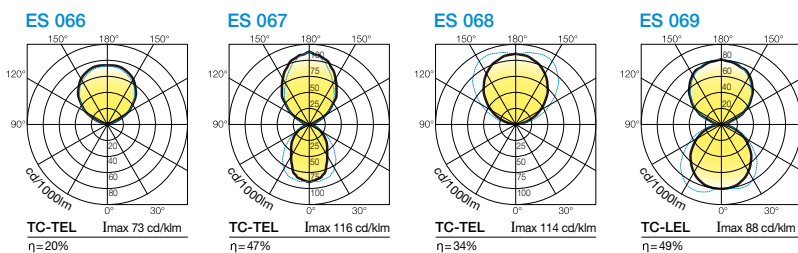
INDIRECT LIGHT

TC-LEL		FINISHES	POWER SUPPLY	△	CODE
2G11	2x36W	plaster white	electronic	ES 068	39764B
	2x36W	deep black	electronic	ES 068	39764N



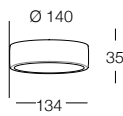
DIRECT/INDIRECT LIGHT



TC-LEL		FINISHES	POWER SUPPLY	△	CODE
2G11	2x36W	plaster white	electronic	ES 069	39765B
	2x36W	deep black	electronic	ES 069	39765N



MONETA

Indirect emission wall mounted LED fixture and direct emission ceiling mounted LED fixture. Dimmable 230V LED module. Matt painted aluminium body, and polycarbonate screen. It doesn't need to the driver.

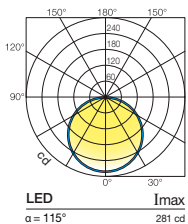


LED		FINISHES	LED COLOR		CODE
18W		plaster white	WW 3000K	TS 771	1T3771
18W		deep black	WW 3000K	TS 771	1T3772

MONETA CEILING AND SUSPENSION See page 364



TS 771



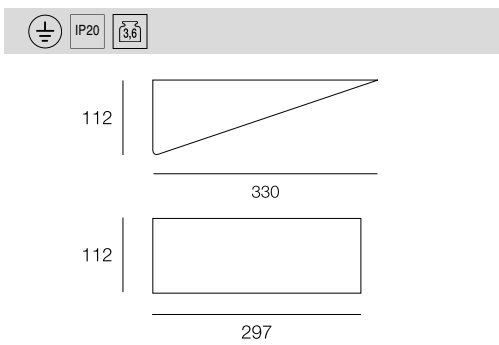
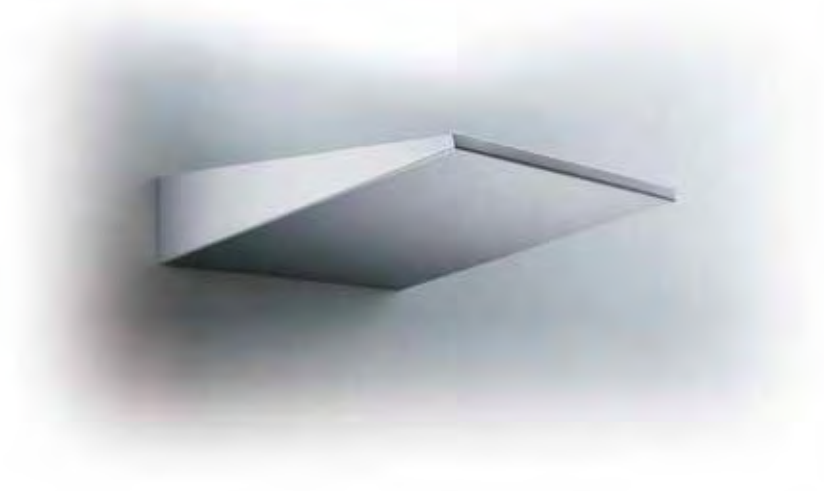
HALL

design Daniel Bernard

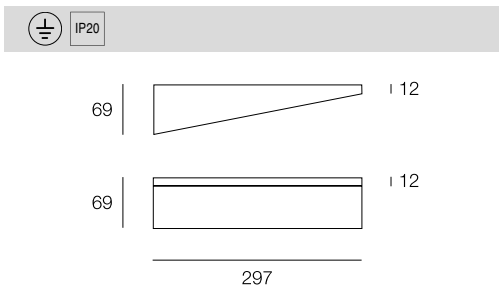


Hermitage Museum Repository - St Petersburg, Russia
Project: Trofimov Studio

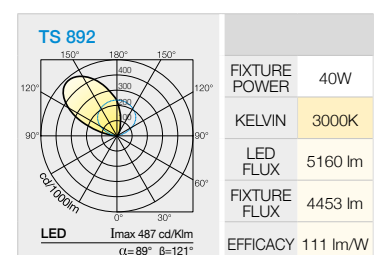
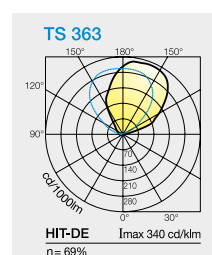
Wall mounted fixture with indirect light emission for LED sources and metal halide lamps. Painted metal body. LED version: fitted with 3 boards with 32 LED sources and an aluminium reflector. Transparent protective glass. Integrated power supply available in DALI version. Discharge version: aluminium asymmetric reflector, transparent borosilicate protective glass. Built-in safety fuse. Integrated magnetic power supply.



LED	COLOUR	POWER SUPPLY		CODE
36W	white	DALI	TS 892	1T4506
36W	aluminium	DALI	TS 892	1T4507



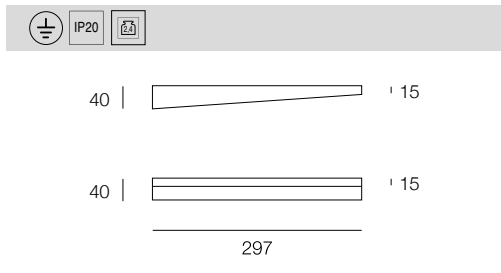
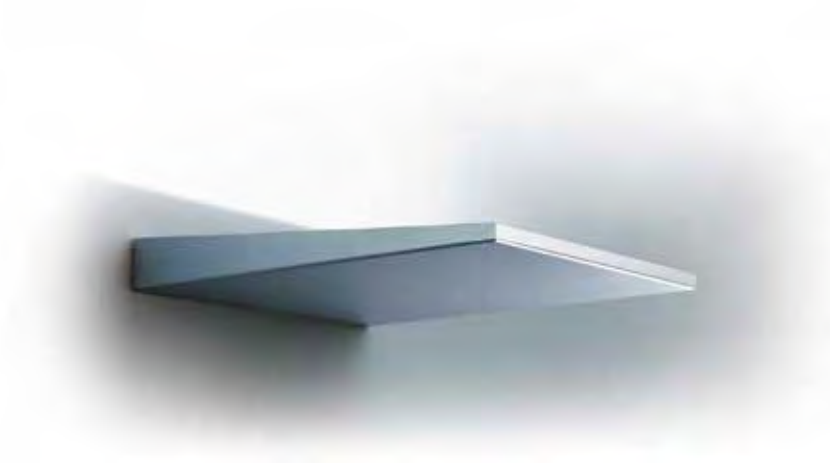
HIT-DE	COLOUR	POWER SUPPLY		CODE
RX7s	70W	white		TS 362 N80244
	70W	aluminium		TS 362 N80249
	150W	white		TS 362 N80204
	150W	aluminium		TS 362 N80209





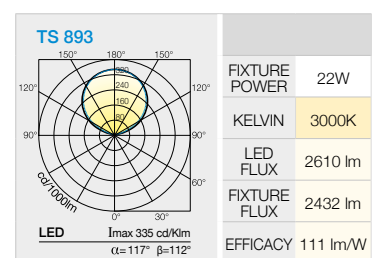
SQUADRA design Daniel Bernard



Wall mounted fixture with indirect light emission for LED sources. Painted metal body. Fitted with 3 boards with 16 LED sources. Painted white aluminium flow recovery. Transparent protective glass. Integrated 500mA electronic or dimmable DALI power supply.

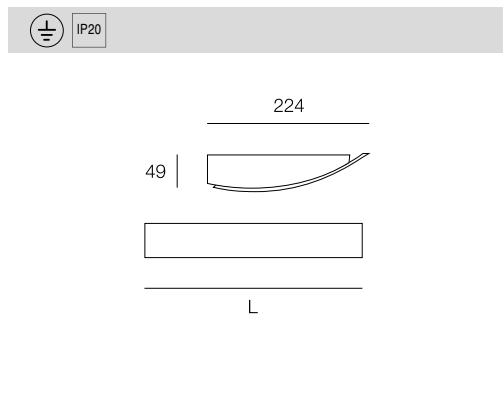








LED 	COLOUR	POWER SUPPLY		CODE
18W	white	electronic	TS 893	1T4500
18W	aluminium	electronic	TS 893	1T4501
18W	white	DALI	TS 893	1T4502
18W	aluminium	DALI	TS 893	1T4503

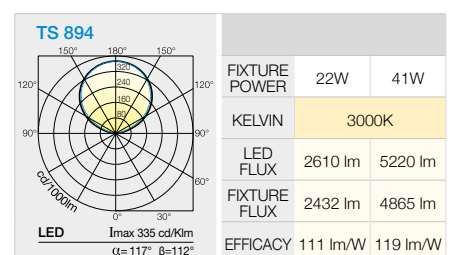




Wall mounted fixture with indirect light emission for LED sources. Painted metal body. Versions: the L.330mm is fitted with three boards with 16 LED sources; the L.700mm is fitted with six boards with 16 LED sources. Painted white aluminium sheet regenerator. Transparent protective glass. DALI dimmable 500mA driver included.



LED 	COLOUR	LENGTH L	POWER SUPPLY		△	CODE
18W	white	330 mm	DALI		TS 894	1T4512
36W	white	700 mm	DALI		TS 894	1T4513
18W	aluminium	330 mm	DALI		TS 894	1T4514
36W	aluminium	700 mm	DALI		TS 894	1T4515



SYSTEMS

SHERAZADE

design P. Targetti, L. Querci, L. Gigli, M. Materassi



MODULAR SYSTEM FOR FLUORESCENT, HALOGEN, METAL HALIDE LAMPS AND LEDS



MAXIMUM CREATIVE FREEDOM

Flat, curved and wavy modules provide for a three-dimensional system which winds in absolute freedom. Accent lighting with halogen, metal halide and LED lamps, diffused lighting with linear and compact fluorescent lamps.

GREAT BRIGHTNESS

In the absolute colours of black and white, both with a glossy finish, SHERAZADE modules are made from lacquered PMMA, which is characterised by its exceptional brightness, high thermal resistance and totally recyclable nature.

QUICK AND EASY INSTALLATION

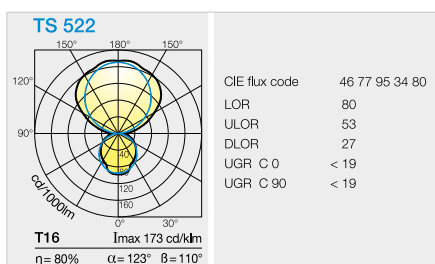
All of the modules come pre-wired and equipped with quick connection "plugs", allowing for an installation both quick and easy. The individual modules connect to each other mechanically thanks to the coupling/suspension arm. Three separate power circuits allow for the lighting to be managed in absolute freedom.

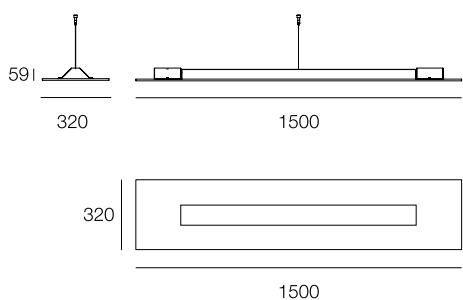
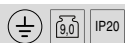


SHERAZADE

PLANAR FLUORESCENT

Modular suspension for linear fluorescent lamps with direct/indirect light emission to be installed in a system. Polished white or black body made of polymethylmethacrylate (PMMA). Version with a white, satin finish methacrylate screen, equipped with an aluminium internal flow recuperator. Electronic power supply. **To be completed with suspension and power supply kits.**





T16	OPTIC	POWER SUPPLY	COLOUR	△	CODE
G5	2x 54W diffusive screen	electronic	white	TS 522	1T2408
	2x 54W diffusive screen	electronic	black	TS 522	1T2409

MOUNTING AND POWER SUPPLY KIT See page 469



SHERAZADE

PLANAR MODULES

Multi-lamp or source-free planar modules to be installed as a single suspension or in a system configuration. Polished white or black body made of polymethylmethacrylate (PMMA). The optics are adjustable by means of a patented gyroscopic system, $\pm 175^\circ$ horizontally and $\pm 45^\circ$ vertically. Complete with electronic ballast. **To be completed with suspension and power supply kits.**



ACCESSORIES



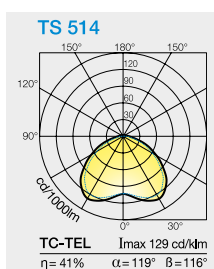
Anti-glare ring

Anti-glare ring to shield the lamp.

1T2198

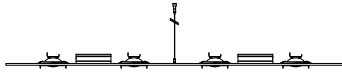
MOUNTING AND POWER SUPPLY KIT See page 469

LED version available upon request.



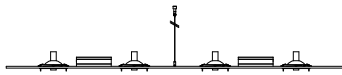
IP20




55,5 |



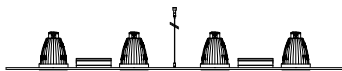
QR111 		POWER SUPPLY	COLOUR	LENGTH	△	CODE
G53	1x max 100W	electronic	white	750 mm 	-	1T2615
	1x max 100W	electronic	black	750 mm 	-	1T2616
	2x max 100W	electronic	white	750 mm 	-	1T2621
	2x max 100W	electronic	black	750 mm 	-	1T2622
	2x max 100W	electronic	white	1500 mm 	-	1T2627
	2x max 100W	electronic	black	1500 mm 	-	1T2628
	4x max 100W	electronic	white	1500 mm 	-	1T2148
	4x max 100W	electronic	black	1500 mm 	-	1T2149








72,5 |



HIR111-CE 		POWER SUPPLY	COLOUR	LENGTH	△	CODE
GX8.5	1x 35W	electronic	white	750 mm 	-	1T2617
	1x 35W	electronic	black	750 mm 	-	1T2618
	2x 35W	electronic	white	750 mm 	-	1T2623
	2x 35W	electronic	black	750 mm 	-	1T2624
	2x 35W	electronic	white	1500 mm 	-	1T2629
	2x 35W	electronic	black	1500 mm 	-	1T2630
	4x 35W	electronic	white	1500 mm 	-	1T2150
	4x 35W	electronic	black	1500 mm 	-	1T2151





175 |

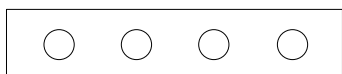


TC-TEL 		POWER SUPPLY	COLOUR	LENGTH	△	CODE
GX24q-3	1x 26W	electronic	white	750 mm 	TS 514	1T2619
	1x 26W	electronic	black	750 mm 	TS 514	1T2620
	2x 26W	electronic	white	750 mm 	TS 514	1T2625
	2x 26W	electronic	black	750 mm 	TS 514	1T2626
	4x 26W	electronic	white	1500 mm 	TS 514	1T2631
	4x 26W	electronic	black	1500 mm 	TS 514	1T2632

28 |



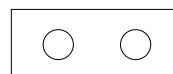
SOURCE-FREE		POWER SUPPLY	COLOUR	LENGTH	△	CODE
			white	750 mm 	-	1T2613
			black	750 mm 	-	1T2614
			white	1500 mm 	-	1T2146
			black	1500 mm 	-	1T2147



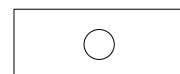
1500



1500



750



750

320

SHERAZADE

WAVE MODULES

Multi-lamp or source-free wave modules to be installed as a single suspension or in a system configuration. Polished white or black body made of polymethylmethacrylate (PMMA). The optics are adjustable by means of a patented gyroscopic system, $\pm 175^\circ$ horizontally and $\pm 45^\circ$ vertically. Complete with electronic ballast. **To be completed with suspension and power supply kits.**



148



QR111		POWER SUPPLY	COLOUR	LENGTH	CODE
G53	2x max 100W	electronic	white	1500 mm	1T2633
	2x max 100W	electronic	black	1500 mm	1T2634
	4x max 100W	electronic	white	1500 mm	1T2156
	4x max 100W	electronic	black	1500 mm	1T2157

178



HIR111-CE		POWER SUPPLY	COLOUR	LENGTH	CODE
GX8.5	2x 35W	electronic	white	1500 mm	1T2635
	2x 35W	electronic	black	1500 mm	1T2636
	4x 35W	electronic	white	1500 mm	1T2158
	4x 35W	electronic	black	1500 mm	1T2159

148

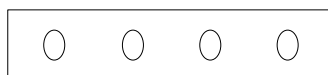


SOURCE-FREE		COLOUR	LENGTH	CODE
		white	1500 mm	1T2154
		black	1500 mm	1T2155

320



1500



1500



ACCESSORIES



Anti-glare ring

Anti-glare ring to shield the lamp.

1T2198

MOUNTING AND POWER SUPPLY KIT See page 469

LED version available upon request.

SHERAZADE

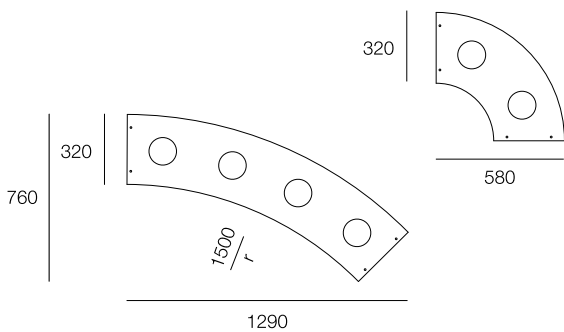
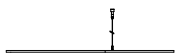
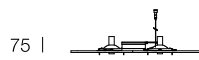
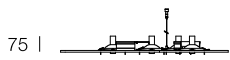
CURVE MODULES

Multi-lamp or source-free curve modules to be installed as a single suspension or in a system configuration. Polished white or black body made of polymethylmethacrylate (PMMA). The optics are adjustable by means of a patented gyroscopic system, +/- 175° horizontally and +/- 45° vertically. Complete with electronic power supply. Curve 90° predisposed for two lamps, curve 45° predisposed for four lamps. **To be completed with suspension and power supply kits.**



LARGE CURVE 45°

SMALL CURVE 90°



QR111	POWER SUPPLY	COLOUR	CURVE	△	CODE
G53	2x max 100W	electronic	white	90°	- 1T2164
	2x max 100W	electronic	black	90°	- 1T2165
	4x max 100W	electronic	white	45°	- 1T2172
	4x max 100W	electronic	black	45°	- 1T2173

HIR111-CE	POWER SUPPLY	COLOUR	CURVE	△	CODE
GX8.5	2x 35W	electronic	white	90°	- 1T2166
	2x 35W	electronic	black	90°	- 1T2167
	4x 35W	electronic	white	45°	- 1T2174
	4x 35W	electronic	black	45°	- 1T2175

TC-TEL	POWER SUPPLY	COLOUR	CURVE	△	CODE
GX24q-3	2x 26W	electronic	white	90°	TS 514 1T2168
	2x 26W	electronic	black	90°	TS 514 1T2169

SOURCE-FREE	COLOUR	CURVE	△	CODE
	white	90°	- 1T2162	
	black	90°	- 1T2163	
	white	45°	- 1T2170	
	black	45°	- 1T2171	



ACCESSORIES



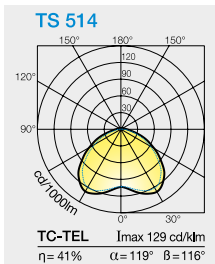
Anti-glare ring

Anti-glare ring to shield the lamp.

1T2198

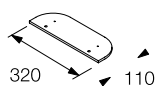
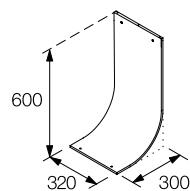
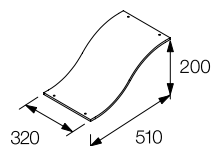
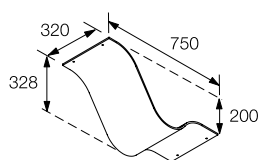
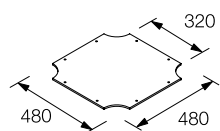
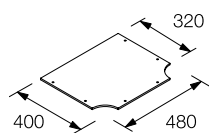
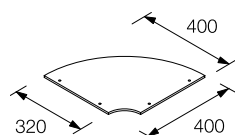
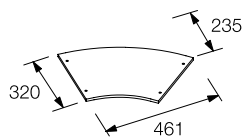
MOUNTING AND POWER SUPPLY KIT See page 469

LED version available upon request.



SHERAZADE

ACCESSORY MODULES



CURVES	ANGLE	COLOUR		CODE
	45°	white		1T2178
	45°	black		1T2179
	90°	white		1T2643
	90°	black		1T2644

CONNECTIONS	TYPE	COLOUR		CODE
	three sides	white		1T2639
	three sides	black		1T2640
	four sides	white		1T2641
	four sides	black		1T2642

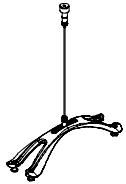
HEIGHT RAISERS	COLOUR		CODE
	white		1T2195
	black		1T2196
	white		1T2180
	black		1T2181

RIGID SUSPENSIONS	COLOUR	Cabling		CODE
	white	no		1T2182
	black	no		1T2183
	white	yes*		1T2416
	black	yes*		1T2417

* Cabled version complete with feeding cable for connection to the mains supply system.

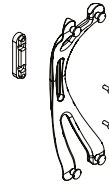
END MODULES	COLOUR		CODE
	white		1T2637
	black		1T2638

MOUNTING AND POWER SUPPLY



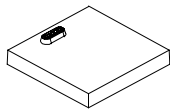
Suspension kit
Suspension kit and module joints of the system. Complete with a 2000 mm steel cable with a micrometric Auto Block-System ABS.

1T2190



Wall mounting kit
Wall mounting and connection kit for system modules.

1T2197



Power supply kit
Power supply kit complete with 5-pole cable for a max of 3 separated switching.
Max 2kW.

white

1T2414

black

1T2415

PROFILE PLUS



CEILING, RECESSED AND SUSPENSION SYSTEM PROVIDING DIRECT/INDIRECT LIGHTING FOR SPOT AND LINEAR LIGHTING

MAXIMUM FLEXIBILITY

Versatility and flexibility are the key words that best identify the PROFILE PLUS modular system. It can be suspended, recessed, installed on ceiling in linear, criss-cross, or closed combinations and comes in a wide range of configurations and lighting solutions. In fact, it can be fitted with linear fluorescent sources and LED in continuous lines of light or separate points of light along its entire length; it can be fitted with different types of projectors at the same time, highlighting all its extraordinary flexibility.

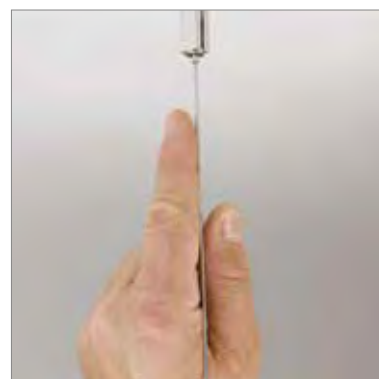
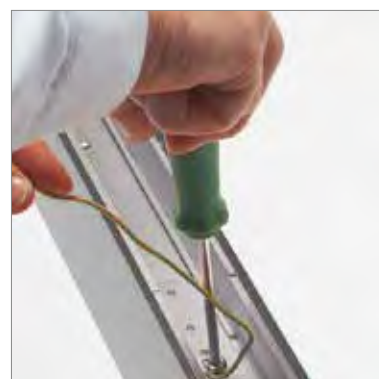
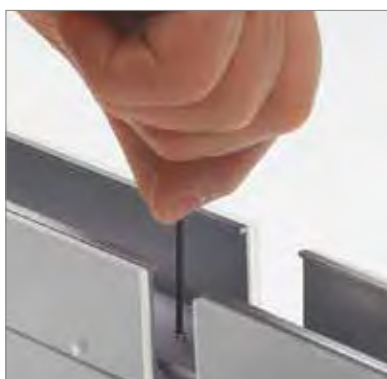
PROFILE PLUS

INSTALLATION FLEXIBILITY

The versions for ceiling installation can be installed directly through screws that pass through the holes in the extruded aluminium profile. To suspend the system just fit the system with a steel suspension cable equipped with micrometric adjustment system Auto Block-System ABS.

JUST ONE CLICK

The load-bearing modules can be easily connected, by tightening two pins; The extruded aluminium is H shaped and so it has two hollows. The lower one is electrified and it is completed with automatic connectors at both sides. After the mechanical connection of the two models, you just have to join the connectors. Three separated switching options available.





LED AND FLUO LIGHT IN CONTINUOUS

PROFILE PLUS is thought to have the possibility of installing luminous units for T16 fluorescent lamp and LED sources at each point of the profile, in order to obtain direct, indirect lighting or both together (double emission). The luminous units can be mounted at the desired distance to have a continuous luminous emission without shadows.

ALSO RECESSED LIGHTING

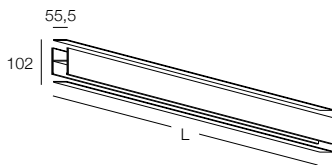
PROFILE PLUS is also available in recessed and semi-recessed versions. All you need is to fit it with a made to measure longitudinal support accessory that is plastered to the ceiling. Through the use of a simple mechanical system the modules can be set out of the ceiling from between 0 to 5 cm.

PROFILE PLUS

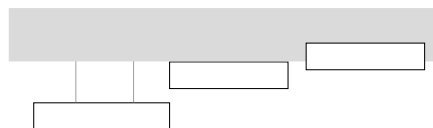
STRUCTURAL MODULE

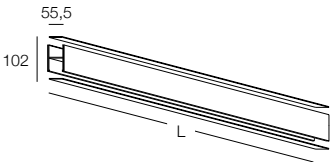





Structural module for suspended, ceiling or recessed installation for direct and/or indirect emission. Made of extruded aluminium matt coloured. Complete with bracket for mechanical connection in series. To be completed with lighting units and mounting kit. Complete with electrical cables to guarantee feeding continuity.

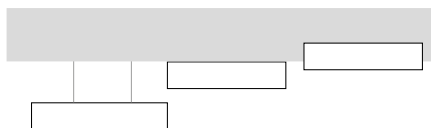
FLUO T16



L		FINISHES	CODE
600 mm		plaster white	1T3886
		deep black	1T3885
		aluminium	1T3887
900 mm		plaster white	1T3889
		deep black	1T3888
		aluminium	1T3890
1200 mm		plaster white	1T3892
		deep black	1T3891
		aluminium	1T3893
1500 mm		plaster white	1T3895
		deep black	1T3894
		aluminium	1T3896
3000 mm		plaster white	1T3898
		deep black	1T3897
		aluminium	1T3899



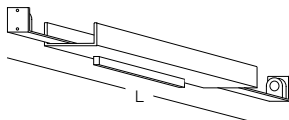
LED	L		FINISHES	CODE
	566 mm		plaster white	1T4730
			deep black	1T4732
			aluminium	1T4731
	847 mm		plaster white	1T4733
			deep black	1T4735
			aluminium	1T4734
	1128 mm		plaster white	1T4736
			deep black	1T4738
			aluminium	1T4737
	1409 mm		plaster white	1T4739
			deep black	1T4741
			aluminium	1T4740
	2818 mm		plaster white	1T4742
			deep black	1T4744
			aluminium	1T4743



PROFILE PLUS

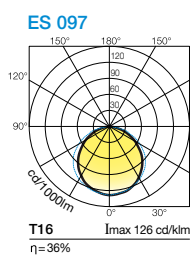
LIGHTING UNIT

Lighting unit for linear fluorescent lamps for structural modules. Polished aluminium body and opaline polycarbonate diffuser. Complete with wiring for connection to the system. Integrated electronic power supply. 54W version available with 1 hour emergency.



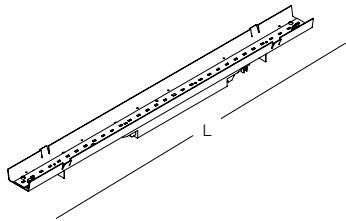
FLUO T16		L		POWER SUPPLY	△	CODE
G5	14/24W	580 mm		electronic	ES 097	712910
	21/39W	880 mm		electronic	ES 097	712920
	28/54W	1180 mm		electronic	ES 097	712930
	35/49/80W	1480 mm		electronic	ES 097	712940
	54W	1180 mm		electr. with emergency	ES 097	712930EM

ACCESSORIES	L	
	600 mm	1T3931
	900 mm	1T3932
	1200 mm	1T3933
	1500 mm	1T3934




LIGHTING UNIT

LED lighting unit for structural modules. Reflector made of specular anodised aluminium and opaline polycarbonate diffuser. Complete with wiring for connection to the system. Integrated electronic power supply.

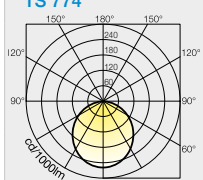


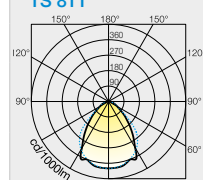
LED		L	POWER SUPPLY	△	CODE
12W	WW 3000K	561 mm	electronic	TS 774	1T4745
18W	WW 3000K	842 mmW	electronic	TS 774	1T4746
24W	WW 3000K	1123 mm	electronic	TS 774	1T4747
30W	WW 3000K	1404 mm	electronic	TS 774	1T4748
30W	WW 3000K	1404 mm	electr. with emergency	TS 774	1T4749

ACCESSORIES	L	△	
	566 mm	UGR<19*	TS 811 1T4750
	847 mm	UGR<19*	TS 811 1T4751
	1128 mm	UGR<19*	TS 811 1T4752
	1409 mm	UGR<19*	TS 811 1T4753

Prismatic screen

UGR19 is guaranteed by means of installing a micro prismatic diffuser to the direct emission lighting module on the lower part of the profile and a opal diffuser to the indirect emission lighting module on the upper part of the profile.

TS 774	561mm	842mm	1123mm	1404mm
	14W	20W	27W	34W
KELVIN	3000K			
LED FLUX	1720 lm	2590 lm	3440 lm	4310 lm
FIXTURE FLUX	1247 lm	1878 lm	2494 lm	3124 lm
EFFICACY	89 lm/W	94 lm/W	92 lm/W	92 lm/W
IMAX	438 cd	659 cd	875 cd	1096 cd




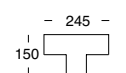
TS 811	561mm	842mm	1123mm	1404mm
	14W	20W	27W	34W
KELVIN	3000K			
LED FLUX	1720 lm	2590 lm	3440 lm	4310 lm
FIXTURE FLUX	1297 lm	1953 lm	2594 lm	3250 lm
EFFICACY	93 lm/W	98 lm/W	96 lm/W	96 lm/W
IMAX	665 cd	1001 cd	1330 cd	1666 cd


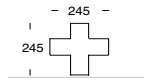

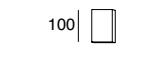
PROFILE PLUS

COMPONENTS

Modular elements complete upper and lower covers.

CONNECTORS

		White	1T3919
	L connector	Black	1T3918
		Aluminium	1T3920
		White	1T3922
	T connector	Black	1T3921
		Aluminium	1T3923

		White	1T3925
	X connector	Black	1T3924
		Aluminium	1T3926
		White	1T3916
	End cap	Black	1T3915
		Aluminium	1T3917

MOUNTING SYSTEMS

	Ceiling canopy	Aluminium	712986
------------------------------------------------------------------------------------	-----------------------	-----------	------------------------

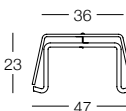
	Suspension cable	L 2000 mm	Aluminium	712993
	Steel cable for suspension with micrometric adjustment system Auto Block-System ABS	L 4000 mm	Aluminium	712994

EUROSTANDARD

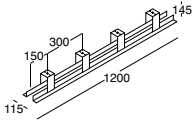
Trough the bracket couple is possible to install the Eurostandard binary inside the Profile Plus modules.

Therefore it will be possible to assemble on them all the projectors having this adapter.

EUROSTANDARD

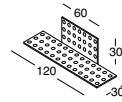
	Bracket couple	712999
-------------------------------------------------------------------------------------	-----------------------	------------------------

COMPONENTS RECESSED VERSION



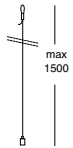
Longitudinal support
 Longitudinal support of perforated plate that can be field cut to measure. Complete with two output regulators from the false ceiling of the Profile Plus modules.

712980



End cap

712981



Suspension cable
 Steel cable for ceiling connection of the longitudinal support with micrometric adjustment system Auto Block-System ABS.

712982

POWER SUPPLY



Snap-in connector
 Snap-in connector 5x1,5 mm² with double poles for input.

714983



Feeding cable
 Transparent feeding cable 3x0,75 mm². It includes the earth cable.

701946



Feeding cable
 Feeding cable 6x1,5 mm². It includes the earth cable with its terminal.

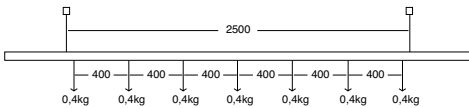
L 2300 mm

712996

L 4300 mm

712997

We suggest a distance between the supports of 250cm. In this case the mechanic load capacity is 0,4 Kg for 40cm.



STRIP LED

LED BELT



Leaning Tower of Pisa - Italy

FLEXIBLE LIGHTING PROFILES WITH LED

VERSATILE RANGE

LED luminous strips, supplied in 5 mt. reels for indoor and outdoor use and distinguished for their high luminous efficacy, the dimmable option, zero maintenance and zero UV emissions; available in warm white (2800K and 3000K) up to 77W and in the 50W RGB version.



MAXIMUM FLEXIBILITY

Its compact size, pliability and different power allows LEDBELT to create a luminous feature (up to 1200lm/m) highlighted by a soft halo of light that can be shaped according to the design requirements: cove lighting, lighting of niches, pathways, etc. The 24V power supply also allows creating longer installations without having to worry about voltage drops.

EASY INSTALLATION

The silicone version with adhesive backing is quick and easy to assemble, thanks to 3M® bioadhesive film or the included silicone clips, available for the IP20 and IP68 version. All the profiles are pre-wired and come with IP connectors (Outdoor versions) for fast and safe wiring. Each strip can also be cut to length at regular intervals of 6 LEDs. The product is supplied with a special kit for restoring the waterproof properties of the profile for the outdoor versions. This kit is also available separately as an accessory.



ALUMINIUM PROFILES FOR INSTALLATION ON SIGHT

A complete range of rigid profiles in anodised aluminium available as accessories, increases the flexibility of the LED system offering many different installation possibilities, e.g. countertop, recessed, on sloping surfaces. The profiles come with a white diffusion lens and are available in two different finishes - white and aluminium to be used in any type of setting or context.



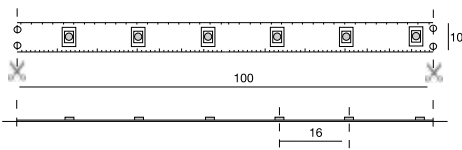
LED BELT



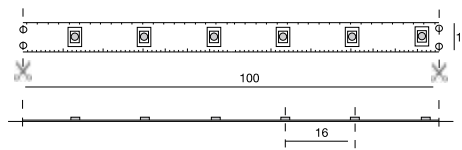
LED light strip. Flexible PVC profile, supplied in 5 meter reels with 120 LEDs/m (77W versions) and 60 LEDs/m (24W and 41W), equipped with wires and connectors on both ends. Available in the RGB Version with 60LED/m (50W). Front-emitting LEDs with a projection angle of 120° available with IP20 or IP68 protection. The strips can be installed using 3M® bioadhesive film or silicone fixing clips (supplied). For the visible installation, the rigid profiles are also available as accessories. The strip can be cut to length with a pair of scissors at intervals of 6 LEDs (restoring the waterproof properties with the caps supplied for IP68 versions). Each reel comes with an extra kit of male-female connectors for cutting the light profile in two segments. Maximum length for single feeding 5 meters. To be fed with 230V/24V-DC electronic transformer available as an accessory. Dimming is possible by means of the special Kit available as accessory. Also suitable for outdoor and permanent underwater installation.

24V-DC

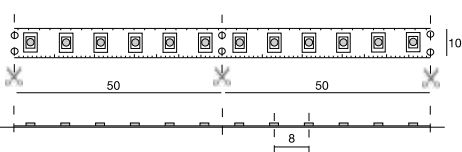
24/41W - 60 LED/m - IP20



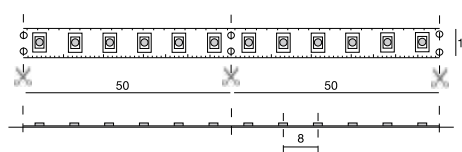
24/41W - 60 LED/m - IP68



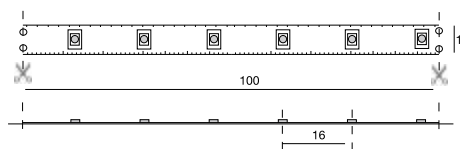
77W - 120 LED/m - IP20

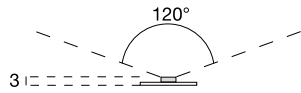


77W - 120 LED/m - IP68



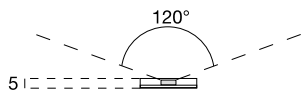
RGB 50W - 60 LED/m - IP68





INDOOR INSTALLATION

LED	VOLT	LIGHT BEAM APERTURE	LED COLOUR	△	CODE
24W	24V	120°	WW 2800K	IP20	TS 747 1T3579
41W	24V	120°	WW 2800K	IP20	TS 747 1T3580
77W	24V	120°	WW 2800K	IP20	TS 747 1T3581



OUTDOOR AND INDOOR INSTALLATION

LED	VOLT	LIGHT BEAM APERTURE	LED COLOUR	△	CODE
24W	24V	120°	WW 3000K		TS 747 1T3582
41W	24V	120°	WW 3000K		TS 747 1T3583
77W	24V	120°	WW 3000K		TS 747 1T3584
50W	24V	120°	RGB		TS 747 1T3585

ACCESSORIES See page 402

REMOTE POWER SUPPLY



LED	VOLT	LxHxP	IP	CODE
50W	24V	165x64x22 mm	IP20	1T3726
75W	24V	225x47x38 mm	IP67	1T3586
100W	24V	230x87x43 mm	IP67	1T3587
200W	24V	238x63x43 mm	IP67	1T3588

CONTROLLER

2x120W	Controller DALI 2x 5A 12/24V	1T3589
240W	Controller 1-10V 12/24V active/passive 1x 10A	1T3590
144W/ch	Controller DMX RGB 6A/ch 12/24V	1T3591

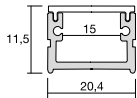
- 24W Versions – maximum 15 meters can be connected to the same power supply
 - 41W Versions – maximum 10 meters can be connected to the same power supply
 - 77W Versions – maximum 5 meters can be connected to the same power supply
 Two LED strips of 77W can be connected in parallel to the same power supply

TS 747	LED POWER		41,5W		77,2W		50,3W	
	2800K	3000K	2800K	3000K	2800K	3000K	RGB	
	LED FLUX	2044lm	1854lm	3216lm	2917lm	5955lm	5402lm	1256lm
	FIXTURE FLUX	2044lm	1854lm	3216lm	2917lm	5955lm	5402lm	1256lm
	LED EFFICACY	83 lm/W	76 lm/W	77 lm/W	70 lm/W	77 lm/W	70 lm/W	25 lm/W
	IMAX	674cd	612cd	1061cd	962cd	1965cd	1782cd	414cd

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

LED BELT

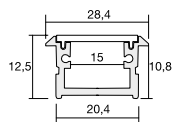
ACCESSORIES



Rigid profiles in anodised aluminium for countertop installations complete with white diffusive plastic cover.

Profiles for countertop installations complete with diffusive cover. 1000 mm	Aluminium	1T3594
Profiles for countertop installations complete with diffusive cover. 2000 mm	Aluminium	1T3705
Kit containing 2 profile closing caps + 2 clips*	Aluminium	1T3600
Profiles for countertop installations complete with diffusive cover. 1000 mm	White	1T3595
Profiles for countertop installations complete with diffusive cover. 2000 mm	White	1T3708
Kit containing 2 profile closing caps + 2 clips*	White	1T3601

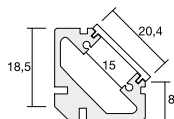
* 1 kit for max 2000 mm



Rigid profiles in anodised aluminium for recessed installations complete with white diffusive plastic cover.

Profiles for recessed installations complete with diffusive cover. 1000 mm	Aluminium	1T3596
Profiles for recessed installations complete with diffusive cover. 2000 mm	Aluminium	1T3706
Kit containing 2 profile closing caps + 2 clips*	Aluminium	1T3602
Profiles for recessed installations complete with diffusive cover. 1000 mm	White	1T3597
Profiles for recessed installations complete with diffusive cover. 2000 mm	White	1T3709
Kit containing 2 profile closing caps + 2 clips*	White	1T3603

* 1 kit for max 2000 mm



Rigid profiles in anodised aluminium for sloping installations (45°) complete with white diffusive plastic cover.

Profiles for sloping installations (45°) complete with diffusive cover. 1000 mm	Aluminium	1T3598
Profiles for sloping installations (45°) complete with diffusive cover. 2000 mm	Aluminium	1T3707
Kit containing 2 profile closing caps + 2 clips*	Aluminium	1T3604
Profiles for sloping installations (45°) complete with diffusive cover. 1000 mm	White	1T3599
Profiles for sloping installations (45°) complete with diffusive cover. 2000 mm	White	1T3710
Kit containing 2 profile closing caps + 2 clips*	White	1T3605

* 1 kit for max 2000 mm

Cut kit IP68* (kit for 4 cuts with caps and resin)	1T3592
Cut kit IP20 (kit for 4 cuts) - For LED BELT 24W and 41W	1T3593
Cut kit IP20 (kit for 4 cuts) - For LED BELT 77W	1T3743

* Not suitable for RGB version.



Iberotel - Apulia, Italy



Hotel Savoia, Genova - Italy

FILTERS

CHROMATIC FILTERS

These filters play with light to create true light scenarios, to draw attention and to provide emotions. Chromatic filters in various colours which are calibrated for the various light sources' technical characteristics. Intense and perfectly saturated colours for scenes which are sure to impress.



TRANSMITTANCE INDEX TABLE

SOURCES		COLOURS									
		RED		GREEN		BLUE		YELLOW		MAGENTA	
		●●●	τ	●●●	τ	●●	τ	●●●	τ	●●	τ
QR-CB 51	3200° K	●●●	0,14	●●●	0,33	●●	0,47	●●●	0,87	●●	0,12
QR-CB 51	3000° K	●●●	0,14	●●	0,29	●	0,43	●●●	0,87	●●	0,12
QT-DE 12	2900° K	●●●	0,18	●●	0,31	●	0,20	●●●	0,94	●●	0,14
QR111	3100° K	●●●	0,11	●●	0,31	●	0,16	●●●	0,89	●●	0,11
HIT	3000° K	●●●	0,12	●	0,36	●	0,16	●●●	0,93	●●	0,10
HIT	4000° K	●	0,05	●●	0,44	●●●	0,21	●●	0,87	●●	0,07
HIT	4200° K	●●	0,10	●●	0,38	●●●	0,22	●●	0,86	●●	0,11

The numeric value refers to the transmittance index of the filter in relation to the lighting source. The number indicated, multiplied by the lux obtained with a given light source, makes it possible to calculate the real illumination values after filtering.

- ○ ○ Optimized chromatic effect
- ○ Average chromatic effect
- Poor chromatic effect

CHROMATIC FILTERS ABACUS



UNIVERSAL CHROMATIC FILTERS

Universal filters for QR111 lamps. Available in 8 colours plus the UV Stop filter.



*The rubber ring is only to be used with the QR111 lamp with an 8° beam angle.

CORRECTIVE FILTERS

Corrective filters which modify the spectrum of the light sources, varying their spectral composition and changing their colour temperature, thereby warming or cooling the light. The use of corrective filters allows for the chromatic qualities of an object to be exalted, emphasising its communicative message, for example, in terms of freshness, warmth, fragrance and purity. This makes possible to alter the perception of various objects within the same environment by simply applying a different filter to each light source.



SUN
Calibrated for the HIT-CE 3000K lamp, this filter reduces the colour temperature of about 300K, favouring warm colours.

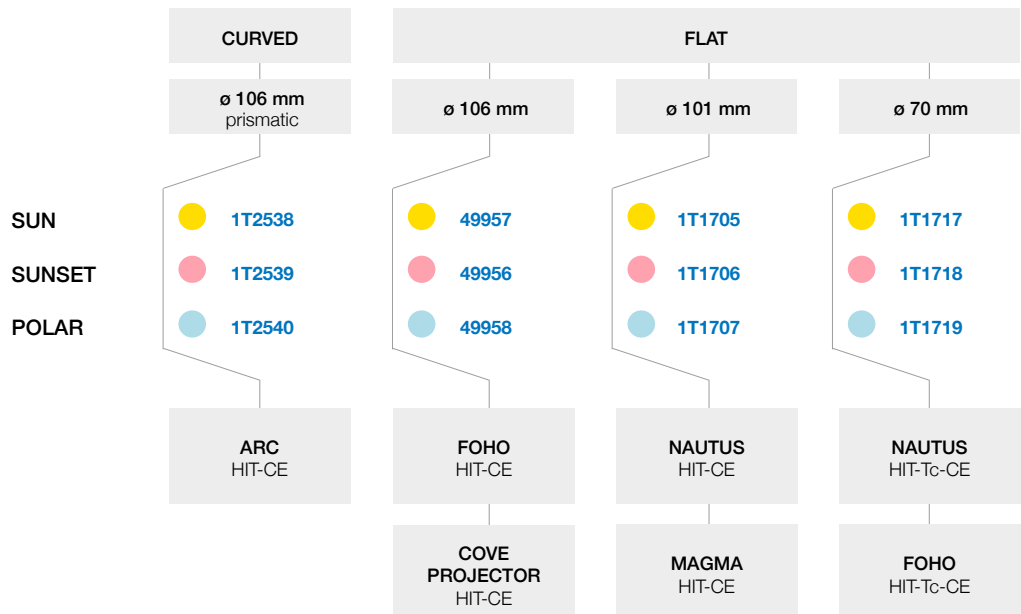


SUNSET
Calibrated for the HIT-CE 3000K lamp, this filter reduces the colour temperature of about 700K, favouring reddish colours.



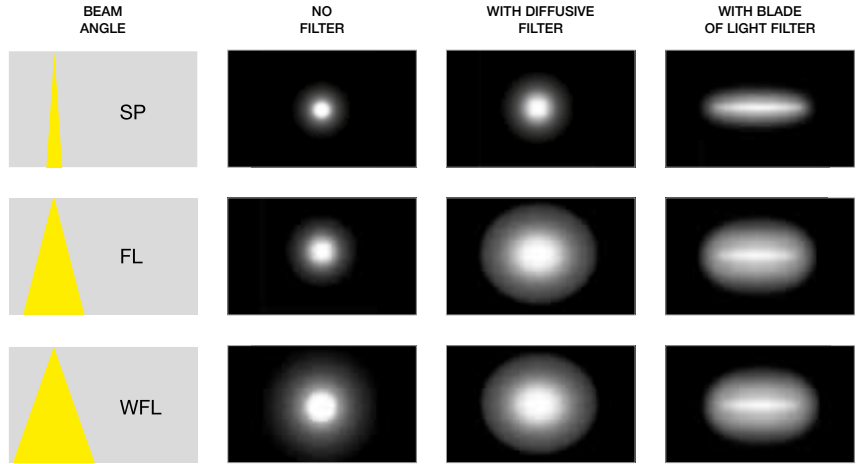
POLAR
Calibrated for the HIT-CE 4200K lamp, this filter increases the colour temperature of about 500K, exalting cold colours.

CORRECTIVE FILTERS ABACUS

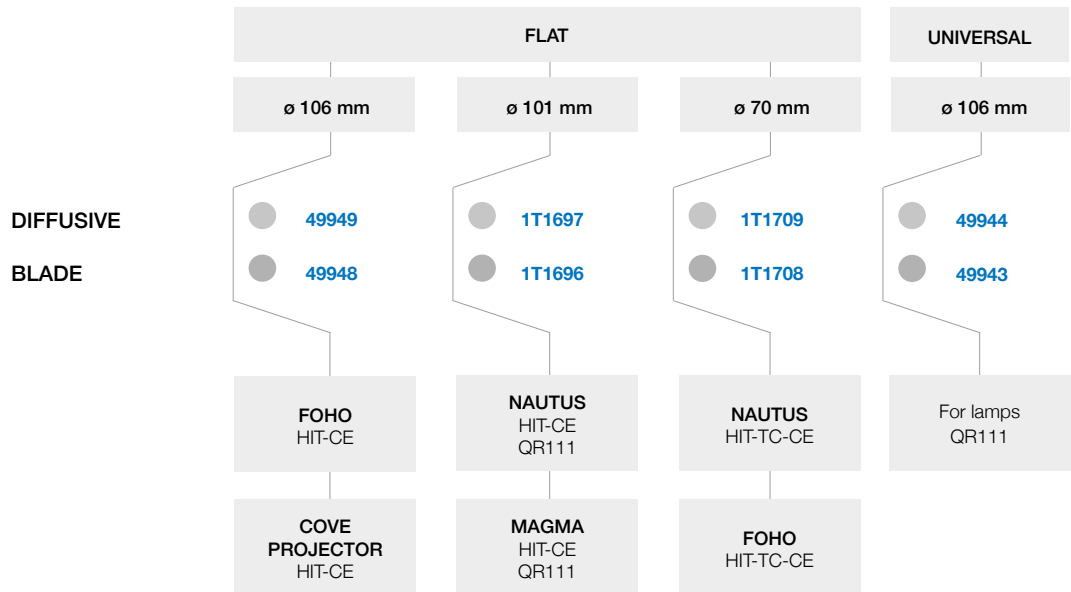


REFRACTIVE FILTERS

Modelling filters with surface treatments which allow for the beam to be moulded, softened or made oval, thereby altering its shape and edges without changing the characteristics of its colour.

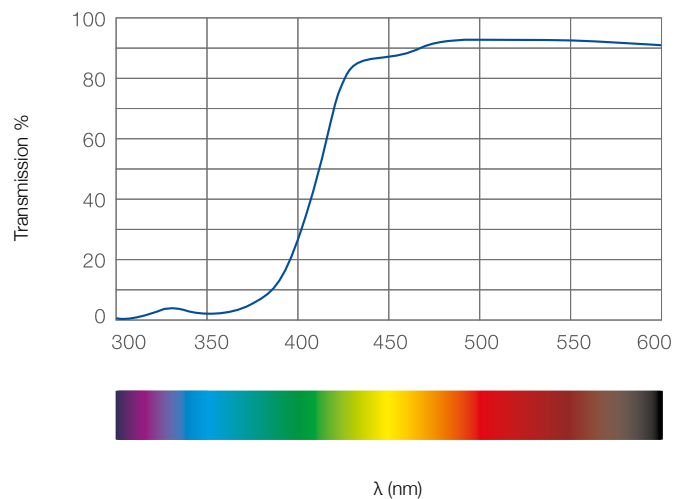


REFRACTIVE FILTERS ABACUS

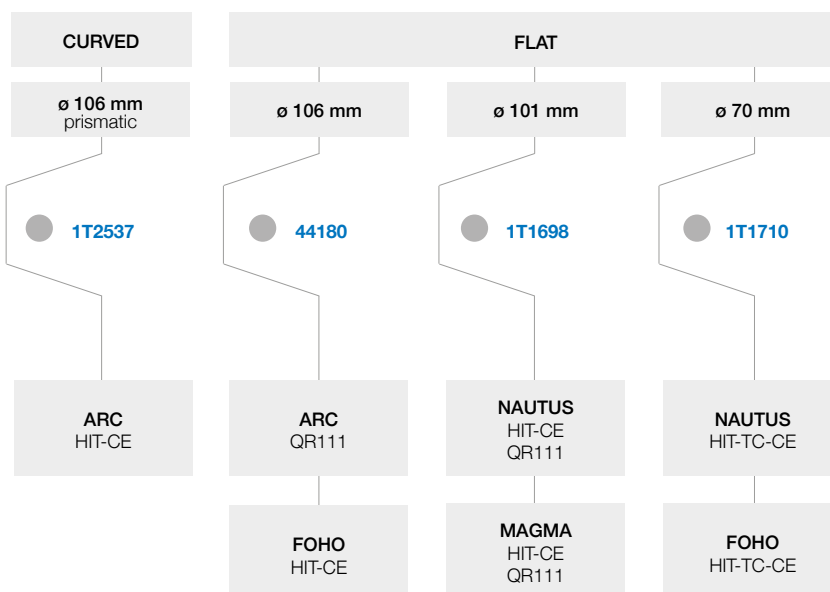


UV FILTERS

Filters which allow for the elimination of type UV/B ultraviolet rays and the reduction of type UV/A ultraviolet rays (>90%).



UV STOP FILTERS ABACUS



FA

RCG

E

FR

I

I

I

OUT

DO

OR

INGROUND

KEPLERO



Cinecittà World - Rome, Italy - Architect: Carlo Carreras - Electrical Engineer: ENETEC SRL
Scenography: Dante Ferretti - Photographer: Germano Borrelli

KEPLERO is a powerful solution and the ideal choice for lighting large and small public spaces, building facades and trees given its size and high performance.

KEPLERO MINI is the ideal compact version and is only 166mm in diameter and has a maximum installation depth of just 200mm. It takes its technology and flexibility from the maxi version but given its dimensions and high performance it is also suitable for external domestic lighting such as building facades and small trees.

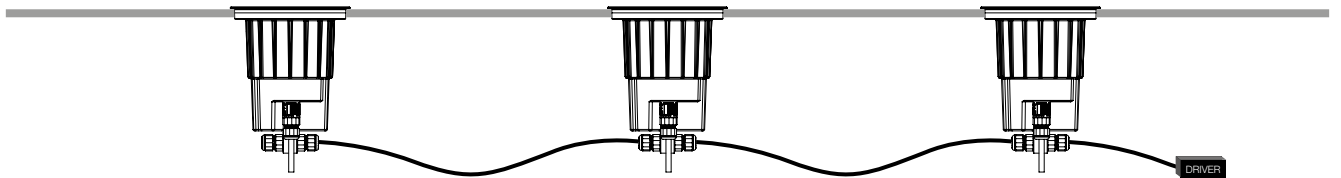


KEPLERO



The KEPLERO range has a revolutionary optical system that was developed following three different design approaches to meet varying needs in the field of light design. The heart of the system, the optical chamber, was developed to offer three different solutions: extreme versatility and freedom with the adjustable beam ZOOM version, maximum precision and control with the GIMBAL version and high performance and efficiency with the new HIGH EFFICACY optical solution in the MINI version.





KEPLERO is one of the few products on the market in this sector to comply with all IP66, IP67, IP68 and IP69K protection requirements with a power output of up to 32W. The IP66 code ensures that it is protected from powerful jets of water such as street cleaning. IP67 guarantees that it is protected from the rain, IP68 means that it is totally protected against flooding and IP69K guarantees maximum protection from penetration from water in high-pressure. This is all thanks to a series of technical features relating to the seal between the body and the ring and the electrical connections as well as the driver boxes that are all fitted with IP68 watertight connectors.



Keplero is also versatile in its finishing and installation. A brushed stainless steel trim ring for the large version and a round and square ring for the MINI version. All the rings can be installed flush or semi-flush by simply removing the insertion sleeve from the PVC casing accessory.



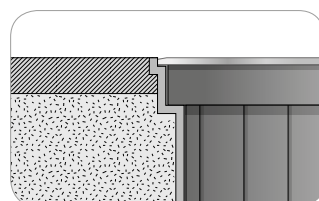
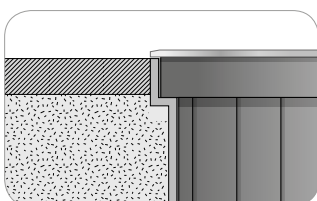
Walk Over



Drive Over



Cool Touch



RGBW version available on request.

KEPLERO ZOOM

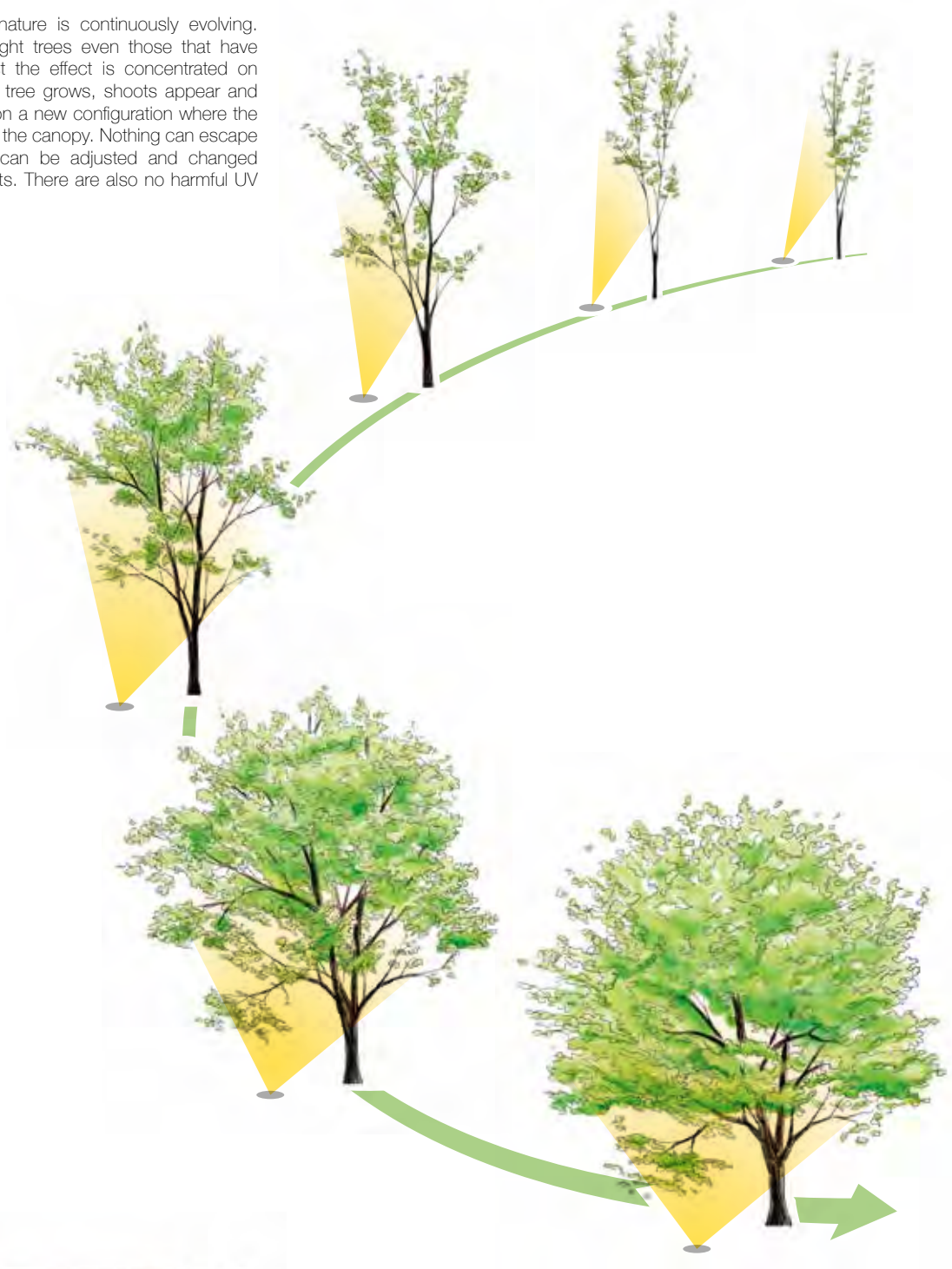


Beam orientation is guided in a different way in the two versions. With the maxi version it is possible to transfer the optical chamber towards the surface to be lit with a beam orientation of up to 20°. In the MINI version the optical chamber is positioned on a gimbal system that makes it possible to position the beam easily up to 20°.

The entire KEPLERO range has an optical chamber that can rotate parallel to the surface towards any element, regardless of its shape and position.



KEPLERO light just like nature is continuously evolving. KEPLERO is perfect to light trees even those that have just been planted. At first the effect is concentrated on highlighting the trunk; the tree grows, shoots appear and the optical system takes on a new configuration where the beam opens and lights up the canopy. Nothing can escape the KEPLERO light that can be adjusted and changed depending on requirements. There are also no harmful UV or IR rays.



In just a few simple steps the fixture can change the width of the beam emission: Extraction, transfer and rotation are the three different possible movements the KEPLERO optical chamber can perform. Graded rings help to identify orientation and thus make replication simple.

In the entire KEPLERO zoom range focusing is guided by the optical chamber; in just a few simple steps it is possible to change the beam aperture from spot to wide flood.

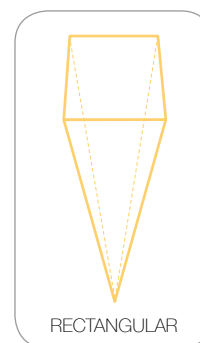
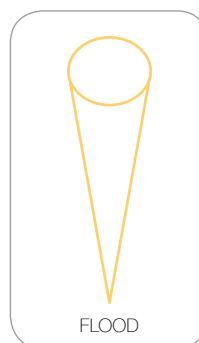
KEPLERO GIMBAL

CLEAN AND PRECISE BEAMS

For absolute precision lighting the GIMBAL optical version is the ideal solution. The large KEPLERO version is a real projector thanks to its high performance and the flexibility of its adjustable optical unit of up to 40°. Even the MINI version guarantees the same clean beam with lower power and the high performance of a professional fixture.

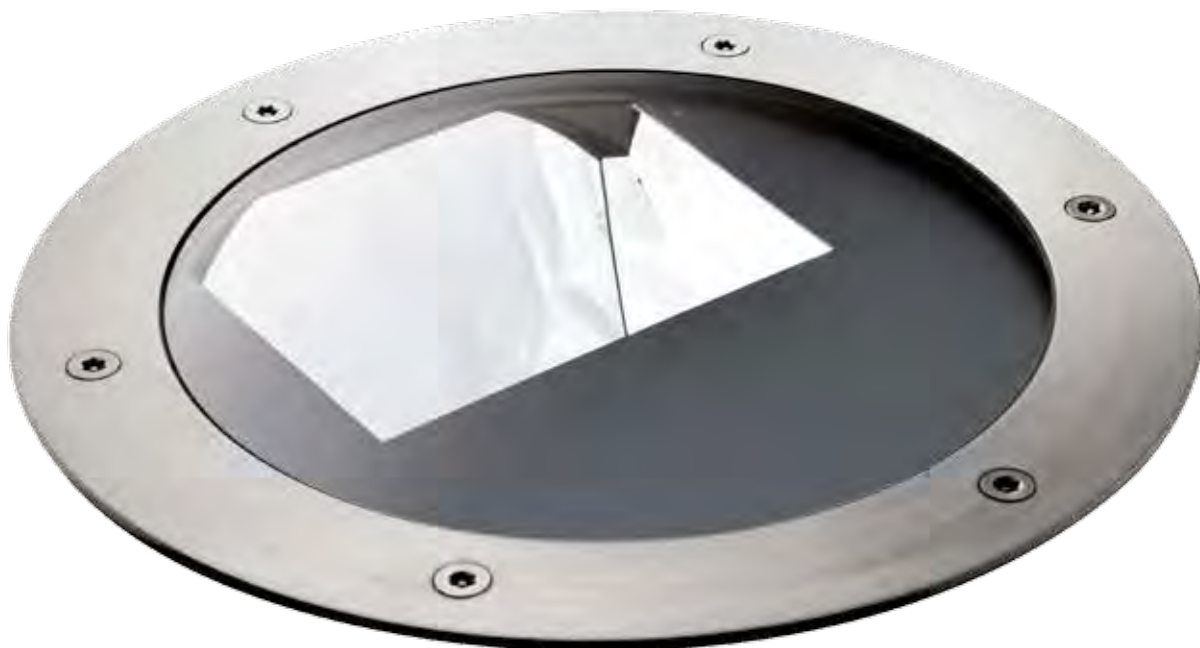


The LED board fitted with PMMA lenses together with a particular filter enhance the emission of the sources and make it possible to obtain perfectly clean and precise beams. This makes KEPLERO perfect for lighting facades of high-rise buildings especially where particular details can be highlighted with precision.

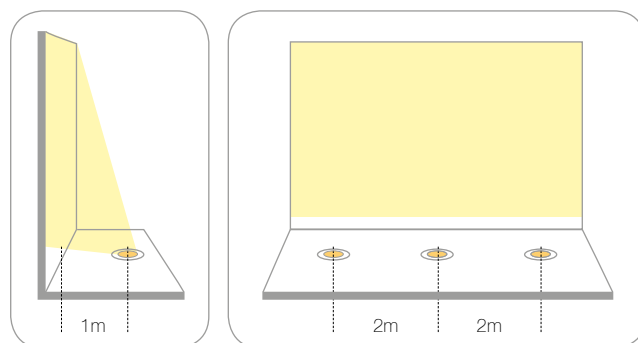


KEPLERO WALL WASHER

The new WW version has also joined the KEPLERO range. It is the same size, has the same design but is fitted with a new optical system to light vertical surfaces uniformly. An optical system composed of a reflector and a lens that can not only guarantee complete uniformity on vertical surfaces but also excellent light diffusion from very close to the floor.



The distinctive feature of the new KEPLERO WW lies in the reflector that makes it possible to obtain a completely uniform effect by installing the fixtures at a distance of one metre from the wall and 2 metres apart. An unparalleled 2:1 ratio.



KEPLERO MINI HIGH EFFICACY

HIGH EFFICACY

Only the KEPLERO MINI version is fitted with a high efficiency optical system. Three different fixed optics focus on emitting one of the most efficient COB LED sources on the market. A soft, high performance beam for the simpler, more powerful version in the KEPLERO MINI range.



The KEPLERO range guarantees high performance thanks to the use of state of the art Citizen COB LED sources, the latest Samsung LED sources and low internal operating temperatures. Targetti has always paid particular attention to thermal management that not only focuses on performance but above all on maintaining high performance and extending the lifespan of the sources.



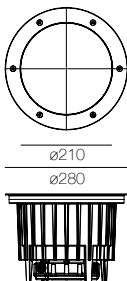


KEPLERO

ZOOM

Professional inground recessed adjustable LED projector. Anodized and black painted die cast aluminium body, Brushed stainless steel (AISI 316) ultraflat decorative ring with beveled edge. Extra clear protective glass tempered (thickness 10 mm) complete with silicone gasket. Anti theft stainless steel A2 Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. Zoom optical system with the possibility of sliding and locking on the vertical axis according to four different positions that are related to four different beam apertures. The light beam can be adjusted up to 20° on the vertical plan and 360° on the horizontal one with integrated locking system. Optic group pre-set for the installation of one or more dedicated optical accessories to be ordered separately. Installation sleeve made of grey Nylon to be ordered separately as accessory. The sleeve is pre-set for a flush or straight edge installation according to the exigency. Electronic power supply IP68 integrated. The driver's housing comes complete with dedicated IP68 waterproof connectors for the connection to the main with H07RN8-F (max 2x2,5mm²) or with continuity earth with H07RN8-F (3G2,5mm²) Ø7mm±12mm MAX. On request the fixture can be supplied with a special anti-slip protective glass for public pedestrian areas. DALI electronic power supply available on request for minimum quantities.

110V-240V 50/60Hz

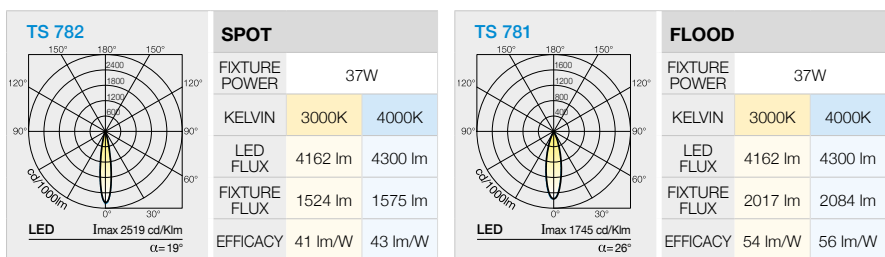


LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
33W	3000K	electronic	SP, FL, MWFL, WFL	TS 782 / 781 780 / 779	1E2386
33W	4000K	electronic	SP, FL, MWFL, WFL	TS 782 / 781 780 / 779	1E2387

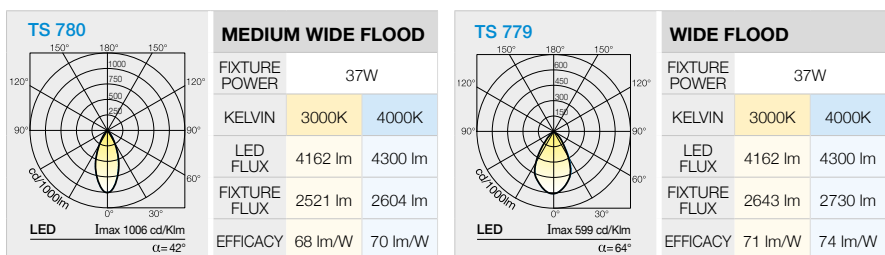
All lighting fixtures have to be completed with installation sleeve. (see page 513)

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.

IP69K complies with Standard DIN 40050-9.



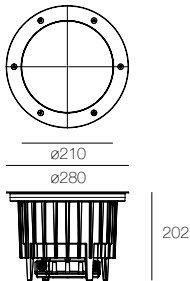
LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.



GIMBAL

Professional inground recessed adjustable LED projector. Anodized and black painted die cast aluminium body. Brushed stainless steel (AISI 316) ultraflat decorative ring with beveled edge. Extra clear protective glass tempered (thickness 10 mm) complete with silicone gasket. Anti theft stainless steel A2 Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. Gimbal optical system equipped with PMMA lenses available with three different beam apertures. The light beam can be adjusted up to 40° on the vertical plan and 360° on the horizontal one with integrated locking system. Optic group pre-set for the installation of one or more dedicated optical accessories to be ordered separately. Installation sleeve made of grey Nylon to be ordered separately as accessory. The sleeve is pre-set for a flush or straight edge installation according to the exigency. Electronic power supply IP68 integrated. The driver's housing comes complete with dedicated IP68 waterproof connectors for the connection to the main with H07RN8-F (max 2x2,5mm²) or with continuity earth with H07RN8-F (3G2,5mm²) Ø7mm±12mm MAX. On request the fixture can be supplied with a special anti-slip protective glass for public pedestrian areas. DALI electronic power supply available on request for minimum quantities.

110V-240V 50/60Hz

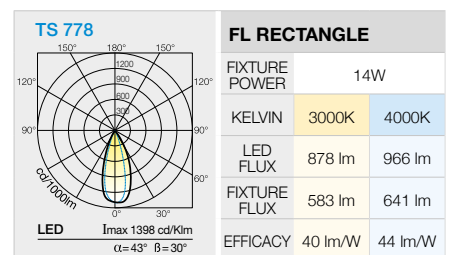
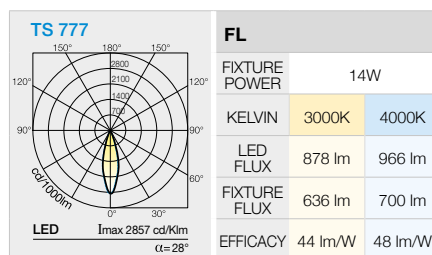
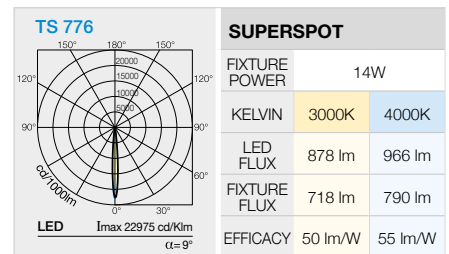


LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
11W	WW 3000K	electronic	Superspot	TS 776	1E2388
11W	NW 4000K	electronic	Superspot	TS 776	1E2389
11W	WW 3000K	electronic	FL	TS 777	1E2390
11W	NW 4000K	electronic	FL	TS 777	1E2391
11W	WW 3000K	electronic	FL rectangle	TS 778	1E2392
11W	NW 4000K	electronic	FL rectangle	TS 778	1E2393

All lighting fixtures have to be completed with installation sleeve. (see page 513)

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.

IP69K complies with Standard DIN 40050-9.



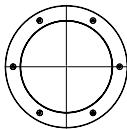
LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.

KEPLERO

WALL WASHER

Professional inground wall washer projector fitted with LED sources. Anodized and black painted die cast aluminium body. Brushed stainless steel (AISI 316) ultra flat decorative ring with bevelled edge. Extra clear protective glass. Anti-theft Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. Wall washer optical unit composed of an PMMA lens, a high reflectance asymmetrical anodised aluminium reflector and an integrated holographic filter. The nylon installation sleeve to be ordered separately. The sleeve comes with a ring for flush or semi-flush installation. Integrated IP68 electronic power supply. The driver's housing comes complete with dedicated IP68 waterproof connectors for the connection to the main with H07RN8-F (max 2x2,5mm²) or with continuity earth with H07RN8-F (3G2,5mm²) Ø7mm±12mm MAX. Non-slip glass can be supplied on request for public pedestrian areas. Electronic DALI power supply available on request for minimum quantities.

110V-240V 50/60Hz



ø210
ø280



202

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
33W	WW 3000K	electronic	WW	TS 853	1E2561
33W	NW 4000K	electronic	WW	TS 853	1E2562

All lighting fixtures have to be completed with installation sleeve.

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.

IP69K complies with Standard DIN 40050-9.



LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.

TS 853		WALL WASHER	
		FIXTURE POWER 37W	
		KELVIN 3000K	4000K
		LED FLUX 4162 lm	4300 lm
		FIXTURE FLUX 2120 lm	2189 lm
		EFFICACY 57 lm/W	59 lm/W

KEPLERO ACCESSORIES

OPTIC ACCESSORIES / ZOOM - GIMBAL



Chromatic filters

Red	1T1700
green	1T1701
Blue	1T1702
Yellow	1T1703
Magenta	1T1704



Corrective filter

Cold	1T1781
Gold	1T1790
Peach	1T1766



Blade filter

[1T1696](#)



Anti-glare grid

[1T1699](#)



Half-moon shutter

Black [1E2402](#)

INSTALLATION



Flush ring
ø 286 H. 225
Straight edge ring
ø 271 H. 223

Installation sleeve

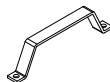
Nylon

[1E2394](#)

Installation sleeve made of grey Nylon. The sleeve is pre-set for a flush or straight edge installation according to the need. Complete with dedicated cover cap for installations in concrete.

TORX L-Key
Features TORX HEAD, TX 30

[1E2495](#)



Handle
Metal handle for fixture's removal

[1E2496](#)



Sucker

[1E0388](#)

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

[1E2493](#)

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

[1E2494](#)

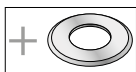
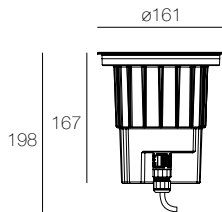
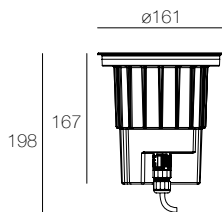
For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68

KEPLERO MINI

ZOOM

Compact inground adjustable projector equipped with LED sources. Anodized and black painted die cast aluminium body. Gimbal system up to 20° on the vertical axis and up to 350° on the horizontal axis with a friction locking mechanism. Fitted with COB LED sources. Anti theft stainless steel A2 Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. To be completed with a round or square stainless steel ring. Nylon casing accessory for flush or semi-flush installation. Versions available with mains power supply (110-240V-AC) or DC voltage (48V-DC). Connection to the mains via IP68 watertight connectors for cable H07RN8-F (max 2x2,5mm²). DALI electronic power supply available on request for minimum quantities.



All projector's bodies must be completed with decorative ring

MAINS POWER SUPPLY

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
12W	WW 3000K	electronic	SP, FL, MWFL, WFL	TS 815 / 816 817 / 818	1E2497
12W	NW 4000K	electronic	SP, FL, MWFL, WFL	TS 815 / 816 817 / 818	1E2498

110-240V-AC 50/60Hz

DC VOLTAGE

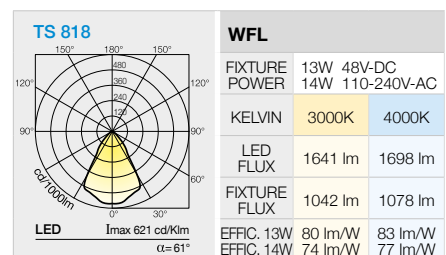
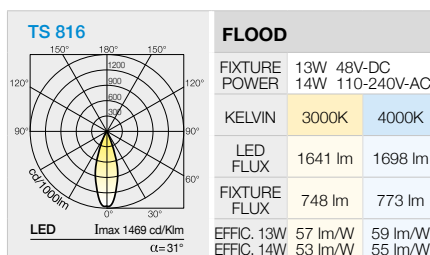
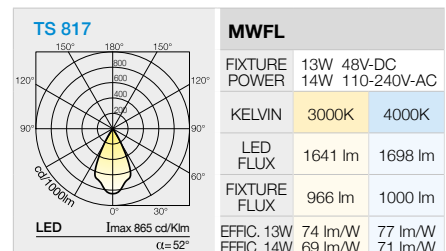
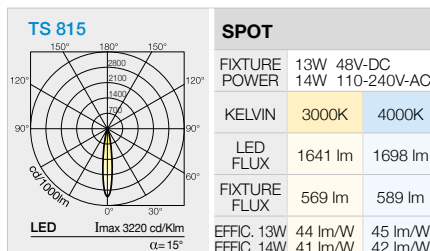
LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
12W	WW 3000K	electronic	SP, FL, MWFL, WFL	TS 815 / 816 817 / 818	1E2499
12W	NW 4000K	electronic	SP, FL, MWFL, WFL	TS 815 / 816 817 / 818	1E2500

48V-DC

48V-DC power supply available as accessory. See page 519

All lighting fixtures have to be completed with installation sleeve.

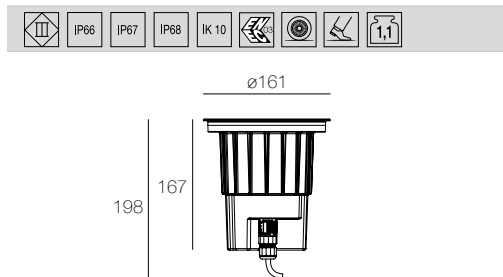
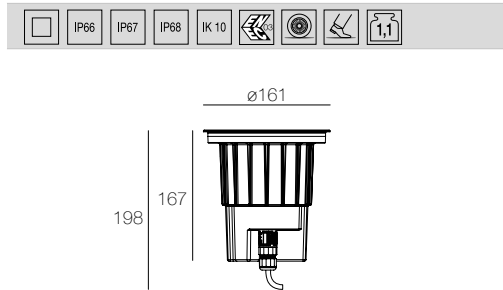
In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.



LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.

GIMBAL

Compact inground adjustable projector equipped with LED sources. Anodized and black painted die cast aluminium body. Gimbal system up to 20° on the vertical axis and up to 350° on the horizontal axis with a friction locking mechanism. Fitted with high power LED sources and optical lenses. Anti theft stainless steel A2 Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. To be completed with a round or square stainless steel ring. Nylon casing accessory for flush or semi-flush installation. Versions available with mains power supply (110-240V-AC) or DC voltage (48V-DC). Connection to the mains via IP68 watertight connectors for cable H07RN8-F (max 2x2,5mm²). DALI electronic power supply available on request for minimum quantities.



All projector's bodies must be completed with decorative trim ring

MAINS POWER SUPPLY

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
8W	WW 3000K	electronic	SP	TS 819	1E2501
8W	NW 4000K	electronic	SP	TS 819	1E2502
8W	WW 3000K	electronic	FL	TS 820	1E2503
8W	NW 4000K	electronic	FL	TS 820	1E2504

110-240V-AC 50/60Hz

DC VOLTAGE

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
8W	WW 3000K	electronic	SP	TS 819	1E2505
8W	NW 4000K	electronic	SP	TS 819	1E2506
8W	WW 3000K	electronic	FL	TS 820	1E2507
8W	NW 4000K	electronic	FL	TS 820	1E2508

48V-DC

48V-DC power supply available as accessory. See page 519

All lighting fixtures have to be completed with installation sleeve.

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.



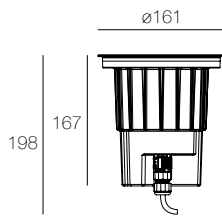
LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.

TS 819		SP		TS 820		FL	
LED	LED	LED	LED				
$I_{max} 14845 \text{ cd/Klm}$	$I_{max} 14845 \text{ cd/Klm}$	$I_{max} 2750 \text{ cd/Klm}$	$I_{max} 2750 \text{ cd/Klm}$				
$\alpha=11^\circ$	$\alpha=11^\circ$	$\alpha=31^\circ$	$\alpha=31^\circ$				
EFFIC. 10W	EFFIC. 11W	EFFIC. 10W	EFFIC. 11W				
61 lm/W	56 lm/W	59 lm/W	57 lm/W				
65 lm/W	59 lm/W						
FIXTURE POWER	FIXTURE POWER	FIXTURE POWER	FIXTURE POWER				
10W 48V-DC	11W 110-240V-AC	10W 48V-DC	11W 110-240V-AC				
KELVIN	KELVIN	KELVIN	KELVIN				
3000K	4000K	3000K	4000K				
LED FLUX	LED FLUX	LED FLUX	LED FLUX				
768 lm	815 lm	768 lm	815 lm				
FIXTURE FLUX	FIXTURE FLUX	FIXTURE FLUX	FIXTURE FLUX				
593 lm	628 lm	569 lm	603 lm				

KEPLERO MINI

HIGH EFFICACY

Compact inground adjustable projector equipped with LED sources. Anodized and black painted die cast aluminium body. Highly reflective metallic polycarbonate optic with different beam apertures. Adjustable up to 20° on the vertical plan and up to 350° on the horizontal plan with a friction locking mechanism. Fitted with COB LED sources. Anti theft stainless steel A2 Torx screws. 20kN resistance against static load. 20J resistance against dynamic load. To be completed with a round or square steel ring. Nylon casing accessory for flush or semi-flush installation. Versions available with mains power supply (110-240V-AC) or DC voltage (48V-DC). Connection to the mains via IP68 watertight connectors for cable H07RN8-F (max 2x2,5mm²). DALI electronic power supply available on request for minimum quantities.



MAINS POWER SUPPLY

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
12W	3000K	electronic	SP	TS 821	1E2509
12W	4000K	electronic	SP	TS 821	1E2510
12W	3000K	electronic	FL	TS 822	1E2511
12W	4000K	electronic	FL	TS 822	1E2512
12W	3000K	electronic	MWFL	TS 823	1E2513
12W	4000K	electronic	MWFL	TS 823	1E2514

110-240V-AC 50/60Hz

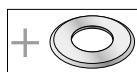
DC VOLTAGE

LED	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
12W	3000K	electronic	SP	TS 821	1E2515
12W	4000K	electronic	SP	TS 821	1E2516
12W	3000K	electronic	FL	TS 822	1E2517
12W	4000K	electronic	FL	TS 822	1E2518
12W	3000K	electronic	MWFL	TS 823	1E2519
12W	4000K	electronic	MWFL	TS 823	1E2520

48V-DC

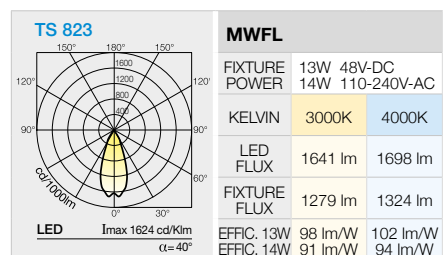
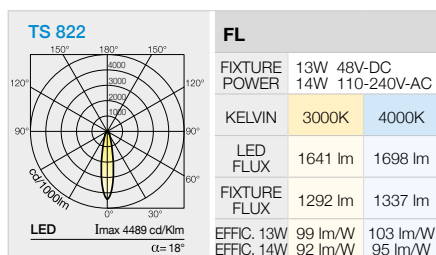
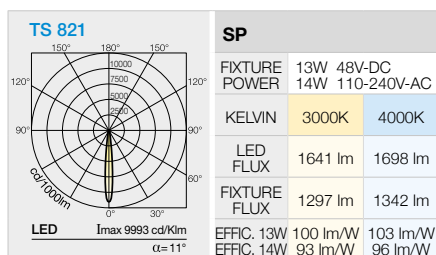
48V-DC power supply available as accessory. See page 519

All lighting fixtures have to be completed with installation sleeve.



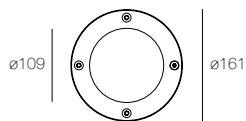
All projector's bodies must be completed with decorative ring

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.0 metres but is unsuitable for permanent underwater installation.



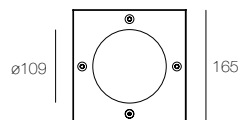
KEPLERO MINI ACCESSORIES

RINGS COD.



Brushed stainless steel (AISI316L), ultra-flat, bevelled edge decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof Torx screws.

1E2525



Brushed stainless steel (AISI316L), ultra-flat square decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof Torx screws.

1E2526

SLEEVE COD.



Flush ring
ø 166,5 H.200

Straight edge ring
ø 157 H.198

Squared straight edge ring
ø 157 H.198

Installation sleeve

1E2521

Grey Nylon casing. Round and square ring for semi-flush installation. Only round ring for flush installation.



Squared flush ring
L.169 H.200

Installation sleeve

1E2522

Grey Nylon casing and stainless steel profile. Square ring for flush installation.



LED versions of KEPLERO family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as spaces for children.

KEPLERO MINI ACCESSORIES

OPTIC ACCESSORIES



Chromatic filters

Red	1T1712
green	1T1713
Blue	1T1714
Yellow	1T1715
Magenta	1T1716



Corrective filter

Cold	1T1777
Gold	1T1786
Peach	1T1759



Blade filter

[1T1708](#)



Anti-glare grid

[1T1711](#)



Holder ring - only for the Keplero MINI HE

[1T3727](#)



Half-moon shutter

Black

[1E2523](#)

INSTALLATION

TORX L-Key
Features TORX HEAD, TX 30

[1E2495](#)



Handle
Metal handle for fixture's removal

[1E2524](#)



Sucker

[1E0388](#)

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

[1E2493](#)

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

[1E2494](#)

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68

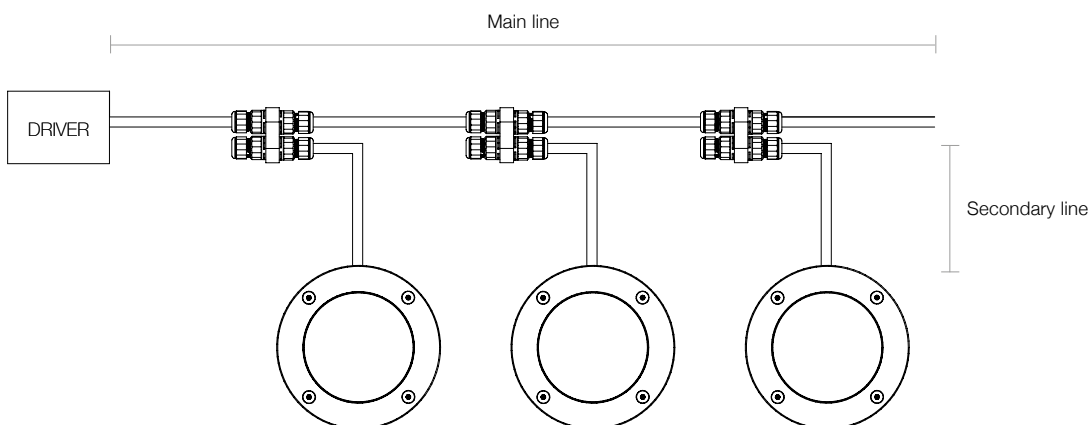
POWER SUPPLY

COD.

Electronic driver 48V DC	70W		IP67	1E2320
225x60x51 mm - Cable lenght 1 meter (IN-OUT) input voltage: 220V-240V 50/60Hz				
Electronic driver 48V DC	150W		IP67	1E2321
Electronic driver 48V DC	240W	125,5x125,2x100 mm - Without cable. Complete with connector	IP20	1E2533
Electronic driver 48V DC	480W	225x125x100 mm - Without cable. Complete with connector	IP20	1E2323

cod. driver	power	N. max fixtures		watt driver
		GIMBAL	HE / ZOOM	
1E2320	70W	5	4	53W
1E2321	150W	10	8	101W
1E2533	240W	16	12	158W
1E2323	480W	30	24	360W

cod. driver	power	Main line			Secondary line		
		MAX (mt)			MAX (mt)		
		1,5mm ² AWG11	2,5mm ² AWG11	4mm ² AWG11	1,5mm ² AWG11	2,5mm ² AWG11	4mm ² AWG11
1E2320	70W	50	75	150			
1E2321	150W	25	50	100			
1E2533	240W	-	25	75	50	75	150
1E2323	480W	-	-	50			



ICARE

PROFESSIONAL RECESSED PROJECTOR FOR DISCHARGE AND FLUORESCENT LAMPS



SOLUTIONS FOR EVERY PROJECT

Professional ground-recessed projectors for a grazing light effect to illuminate and highlight exteriors and other vertical surfaces. All fixtures of this highly versatile range can be installed virtually anywhere. ICARE offering an extensive range of highly efficient optical systems, in both fixed and adjustable versions, as well as temperature control technology and high resistance to static load.





Casa Bosque de Santa Fe
Project: Arch. Enrique Bardasano - Lighting design: Alfredo Morayta

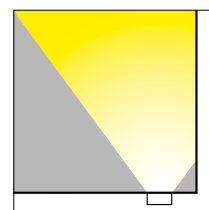
ICARE

CONTROLLED LIGHT

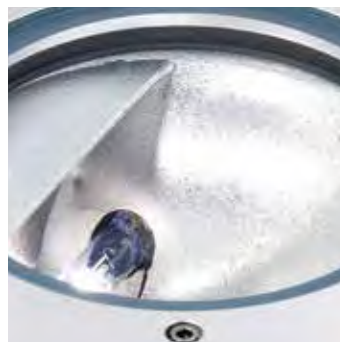
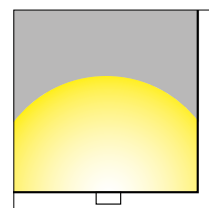
The ICARE range of recessed fixtures offers a variety of optic solutions. Spot, Flood, Wide Flood and Asymmetrical produce clean and well-defined beams of light thanks to the high-quality of the optics and of the extra-clear glass which also ensures high mechanical strength.



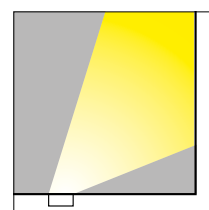
Controlled optic



Flood reflector



Asymmetric reflector



Cool Touch

Lens temperatures (T°) for all the luminaires in the ICARE range, measured according to European standard **EN 60598-2-13**, are listed in the table on page 724.

DRIVE OVER AND WALK OVER SOLUTIONS

ICARE meets all the requirements of standard EN 60598-2-13 regarding vehicle and pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as car parks, pedestrian zones and other designated areas. Heat is dissipated via the ring or thermal filter thus reducing glass temperature by 30% and making also 70W discharge versions suitable for traffic and pedestrian areas according to EN 60598-2-13. Versions that do not comply with the above mentioned standard in terms of temperature do however pass torsion and static load tests required by the same.



Walk Over



Drive Over

FLUSH INSTALLATION

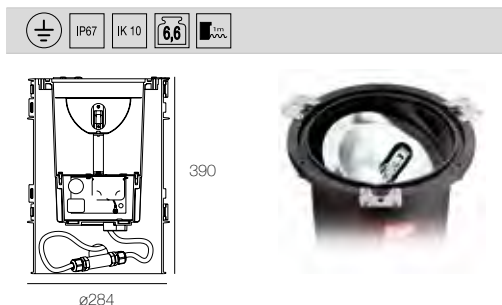
A special insertion collar can be used for flush installation of finish ring. This is the ideal solution for illuminating walkways or pedestrian areas where maximum integration is required between luminaire and pavement.



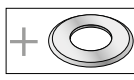
LAMP	POWER	DRIVE OVER WALK OVER	DRIVE OVER WALK OVER
		without ring for heat dissipation	with ring for heat dissipation
HIT-TC-CE	20W		
HIT-CE	35W		
	70W		
	150W		
HIT-DE	70W		
	150W		
HST-DE	70W		
	150W		
TC-TEL	25W		
	32W		
	42W		

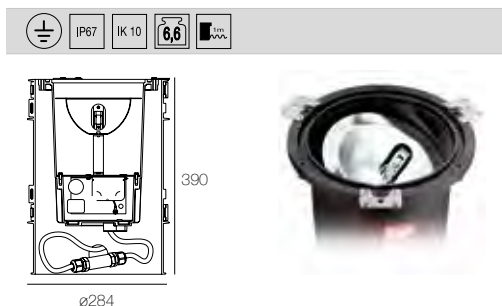
ADJUSTABLE

Inground professional adjustable projector for halogen and metal halide lamps. Cast anodised aluminium body. To be completed with flush aluminium finish ring complete with extra clear safety glass. Insertion collar to be used in addition for flush installation. Gimbal optic system with 25° omnidirectional adjustable reflector with aiming locking system. Complete with PVC casing for inground installation. Resistant to static loads up to 20kN. Integrated power supply. Precabled with 1m H07RN-F (3G1,5 mm²) resinate cable to ensure a perfect watertight seal. On request the projector can be supplied with a special anti-slip glass for public pedestrian areas.

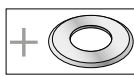


HIT-DE / HST-DE	POWER SUPPLY	OPTIC		CODE
RX7s 70W	electronic	WFL	△ EV 004	1E1748EL
220-240V				


 All projector's bodies must be completed with decorative ring (see pag. 528)



HIT-DE / HST-DE	POWER SUPPLY	OPTIC		CODE
RX7s 150W	magnetic	WFL	△ EV 004	1E1749
230V - 50Hz				

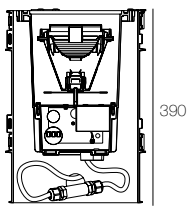
 All projector's bodies must be completed with decorative ring (see pag. 528)

 Class II versions available on request.

 For Cool Touch versions, conforming to the regulation regarding temperature limits on glass (EN 60598-2-13) see pag. 724

ACCESSORIES

See page 530



ø284

390



HIT-TC-CE	POWER SUPPLY	OPTIC	△	CODE
G8,5	20W	electronic	SP	EV 054 1E1881
	20W	electronic	FL	EV 055 1E1882
	20W	electronic	WFL	EV 056 1E1883

220-240V 50/60 Hz

HIT-CE	POWER SUPPLY	OPTIC	△	CODE
G12	35W	electronic	SP	EV 054 1E1730EL
	35W	electronic	FL	EV 055 1E1731EL
	35W	electronic	WFL	EV 056 1E1732EL
	70W	electronic	SP	EV 054 1E1733EL
	70W	electronic	FL	EV 055 1E1734EL
	70W	electronic	WFL	EV 056 1E1735EL

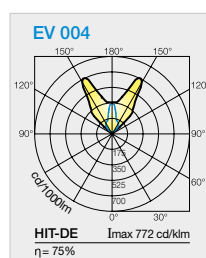
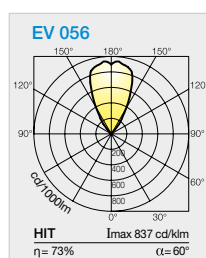
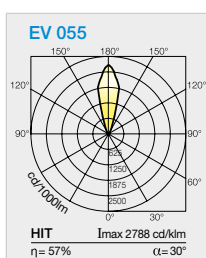
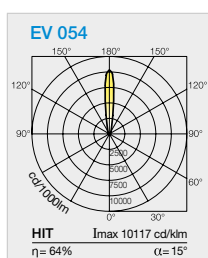
220-240V

HIT-CE	POWER SUPPLY	OPTIC	△	CODE
G12	150W	magnetic	SP	EV 054 1E1736
	150W	magnetic	FL	EV 055 1E1737
	150W	magnetic	WFL	EV 056 1E1738

230V - 50Hz

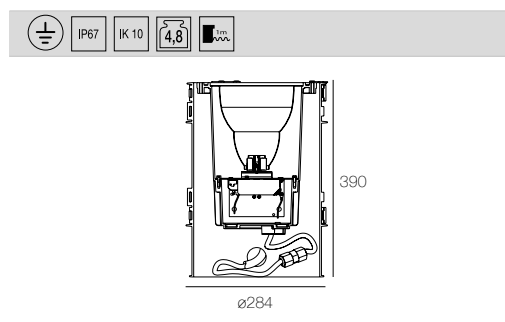


All projector's bodies must be completed with decorative ring (see pag. 528)




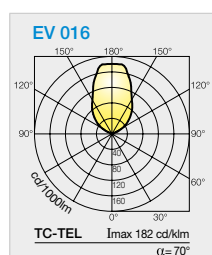
FIXED

Inground professional projector for compact fluorescent lamps. Cast anodised aluminium body. To be completed with flush aluminium finish ring complete with extra clear safety glass. Insertion collar to be used in addition for flush installation. Aluminium fixed reflector. Complete with PVC casing for inground installation. Resistant to static loads up to 20kN. Integrated multipower magnetic power supply. Precabled with 1m H07RN-F (3G1,5 mm²) resinate cable to ensure a perfect watertight seal. On request the projector can be supplied with a special anti-slip glass for public pedestrian areas. **220-240V 50/60Hz**




TC-TEL	POWER SUPPLY	OPTIC		CODE
GX24q	26W/32W/42W elect.multipower	WLF	EV 016	1E1757

 All projector's bodies must be completed with decorative ring (see pag. 528)



 Class II versions available on request.

 For Cool Touch versions, conforming to the regulation regarding temperature limits on glass (EN 60598-2-13) see pag. 724.

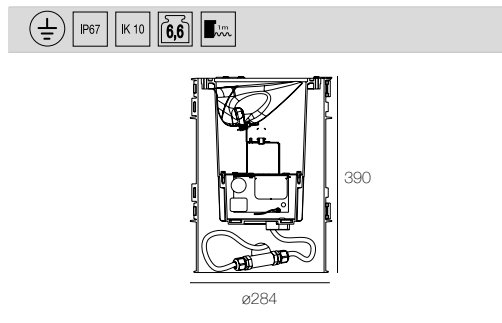
ACCESSORIES

See page 530


ASYMMETRIC

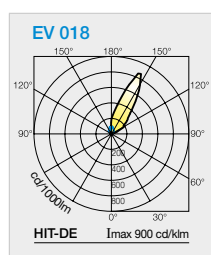
Inground professional asymmetrical projector for discharge lamps. Cast anodised aluminium body. 18µm cast anodised aluminium body. To be completed with flush aluminium finish ring complete with extra clear safety glass. Insertion collar to be used in addition for flush installation. Aluminium fixed asymmetrical reflector. Complete with PVC casing for inground installation. Resistant to static loads up to 20kN. Electronic or magnetic power supply. Precabled with 1m H07RN-F (3G1,5 mm²) resinate cable to ensure a perfect watertight seal. On request the projector can be supplied with a special anti-slip glass for public pedestrian areas.

230V 50Hz




HIT-DE / HST-DE	POWER SUPPLY	OPTIC	△	CODE
RX7s	70W electronic	asymmetric	EV 018	1E1750EL
	150W magnetic	asymmetric	EV 018	1E1751

 All projector's bodies must be completed with decorative ring (see pag. 528)



 Class II versions available on request.

 For Cool Touch versions, conforming to the regulation regarding temperature limits on glass (EN 60598-2-13). See pag. 724.

ACCESSORIES

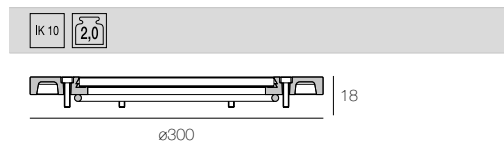
See page 530

RINGS

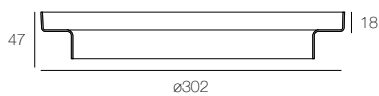
Rings in anodised aluminium with either natural or black finish, circular with straight edge. Extra-clear, high transparency protection glass.

Watertight of fixtures with silicon gasket. A4 inox steel screws.

Flush ground installation with insertion collar accessory.



RING Ø 300 mm	FINISH	GLASS	CODE
	natural anodised	extra clear	1E1728
	black anodised	extra clear	1E1729



INSERTION COLLAR FOR FLUSH INSTALLATION	FINISH	CODE
	aluminium	70118
	black	70115

Thanks to insertion collar it is possible to have a flush installation of the decorative ring.





Victorio Macho Museum, Roca tarpeya - Toledo, Spain

Photographer: EL DIA

OPTIC ACCESSORIES



Half-moon shutter

Ø 171 mm

70335

The half-moon shutter an asymmetrical beam without glare.



Disk with semi-frosted glass

Black

70444

Aluminium

70445



Frosted filter

Ø 184 mm

70430



Heat reduction filter

Ø 184 mm

1E0182

For 30% heat reduction on glass. The special heat reduction filter guarantee a temperature of max 70° on glass for the fixture with 35W and 70W. It is suitable for the use where the fixture are accessible to the public conforming to the regulation EN 60598-2-13.

INSTALLATION



ANTI-SLIP GLASS



Cool collar

Black

1E0300

Aluminium

1E0301

Black with anti-slip glass

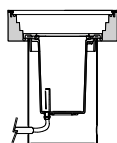


1E0302

Aluminium with anti-slip glass



1E0303



Cool collar ensures that the installation is secure and allows for the lowering of the glass temperature to below 70°C.

- High transmission glass: 15mm
- Shock resistance: 20 Joules
- Static load resistance: 20 kN
- Corrosion: 18µ anodised cast aluminium.
- Heat spreading fins: increase heat exchange.



**Installation box
(PVC casing + aluminium
insertion collar)**

Black

1E1608

Aluminium

1E1607

It is possible to order before the installation box and after order and install the fixture (the fixture is anyway supplied with PCV casing).

INSTALLATION



Anodized coloured disk

On request.



Anti-theft kit

1E1520

Kit of 6 anti-theft screws with special tool supplied.

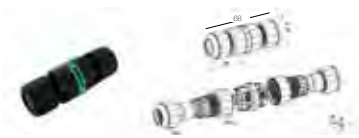


Sucker

1E0388

Sucker for raise the ring.

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68

PHENIX

PROFESSIONAL INGROUND OR CEILING RECESSED PROJECTOR FOR DISCHARGE, HALOGEN AND FLUORESCENT LAMPS.

CUSTOMISED CONFIGURATIONS

Professional recessed adjustable fixture offering a wide range of configurations. With over one hundred different configurations to choose from, designers can combine the projector bodies and decorative rings to suit needs. The square decorative rings are especially stylish allowing PHENIX to adapt to architectural contexts with a distinctly contemporary feel.



DRIVE OVER AND WALK OVER SOLUTIONS









PHENIX meets all the requirements of standard **EN 60598-2-13** regarding vehicle and pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as car parks, pedestrian zones and other designated areas. Heat is dissipated via the ring or thermal filter thus reducing glass temperature by 30% and making also 35W discharge versions suitable for traffic and pedestrian areas according to EN 60598-2-13. Versions that do not comply with the above mentioned standard in terms of temperature do however pass torsion and static load tests required by the same.



Walk Over



Drive Over

LAMP	POWER	DRIVE OVER WALK OVER	DRIVE OVER WALK OVER
		without ring for heat dissipation	with ring for heat dissipation
TC-DEL	10W	 	
HIPAR51	20W		
	35W		
HIPAR20	35W		
Q-PAR20	50W		
Q-PAR51	max 50W		
QR-CB51	max 50W		



Cool Touch

Lens temperatures (T°) for all the luminaires in the PHENIX range, measured according to European standard **EN 60598-2-13**, are listed in the table on page 725.



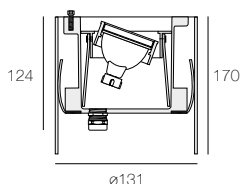
IP68

In line with International standard **IEC 364-7-702** the IP68 rated PHENIX projectors can withstand temporary accidental immersion to a depth of 1.3 metres but are unsuitable for permanent underwater installation.

PHENIX

ADJUSTABLE

Inground adjustable projector for halogen and metal halide lamps. Body made of anodised aluminium. Projector's body must be completed with aluminium or steel finish ring. 30° adjustable lamp holder. Complete with stainless steel casing for inground installation. Resistant to static loads up to 20kN. Electronic ballast available as an accessory for compact version with QR-CB51 and HIPAR51 lamps.



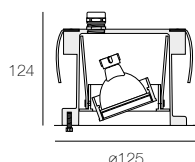
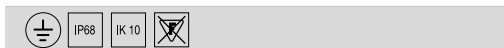
HIPAR51	POWER SUPPLY	WEIGHT	CODE
GX10 max 35W	Additional	1,1 Kg	1E2288

Die cast anodised aluminium body. 20° adjustable lamp holder. Cable gland PG 13,5. Complete with stainless steel casing. Remote power supply available as accessory.

220-240V 50/60Hz



All projector's bodies must be completed with decorative ring (See page 538)



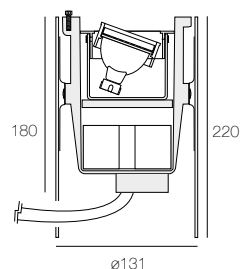
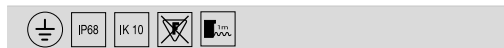
HIPAR51	POWER SUPPLY	WEIGHT	CODE
GX10 max 35W	Additional	1,1 Kg	1E2289

Downlight version. Die cast anodised aluminium body. 20° adjustable lamp holder. Cable gland PG 13,5. Complete with springs for ceiling installation. Remote power supply available as accessory.

220-240V 50/60Hz



All projector's bodies must be completed with decorative ring (See page 538)



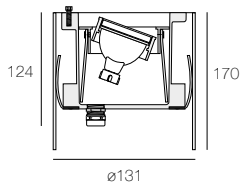
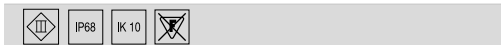
QR-CB51	WEIGHT	CODE
GU 5.3 max 50W	1,8 Kg	1E1290

Die cast anodised aluminium body. 30° adjustable lamp holder. Precabled with 1m AD8 05ET-F (3x1 mm²) watertight resin cable. Complete with 60VA toroidal transformer and stainless steel casing for in-ground installation.

230V - 50Hz



All projector's bodies must be completed with decorative ring (See page 538)

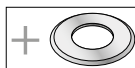


QR-CB51 	WEIGHT	CODE
-------------------------------------------------------------------------------------------	--------	------

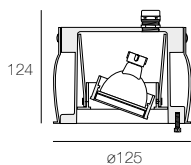
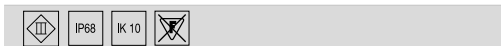
GU 5.3 max 50W	1,0 Kg	1E1291
----------------	--------	---------------

Cast anodised aluminium body. 30° adjustable lamp holder. Cable clamp PG 13,5 for cable Ø from 5 to 12 mm. Complete with PVC casing for in-ground installation. Remote transformer available as accessory.

12V



All projector's bodies must be completed with decorative ring (See page 538)



QR-CB51 	WEIGHT	CODE
-------------------------------------------------------------------------------------------	--------	------

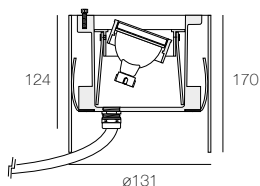
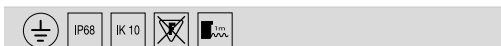
GU 5.3 max 50W	1,0 Kg	1E1292
----------------	--------	---------------

Downlight version. Cast anodised aluminium body. 30° adjustable lamp holder. Cable gland PG 13,5 for cable Ø from 5 to 12 mm. Complete with springs for ceiling installation. Remote transformer available as accessory.

12V



All projector's bodies must be completed with decorative ring (See page 538)



Q-PAR51 	WEIGHT	CODE
---------------------------------------------------------------------------------------------	--------	------

GU10 max 50W	1,8 Kg	1E1600
--------------	--------	---------------

Cast anodised aluminium body. 30° adjustable lamp holder. Precabled with 1m AD8 05ET-F (3x1 mm²) and cable gland PG 13,5. Complete with PVC casing for in-ground installation. Constant voltage power supply.



All projector's bodies must be completed with decorative ring (See page 538)

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.3 metres but is unsuitable for permanent underwater installation.



For Cool Touch versions, conforming to the regulation regarding temperature limits on glass (EN 60598-2-13) see pag. 725.

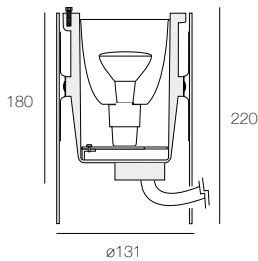
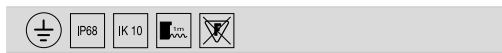
ACCESSORIES

See page 540

PHENIX

FIXED

Inground projector for PAR halogen, metal halide and compact fluorescent lamps. Cast anodised aluminium body. Projector's body must be completed with aluminium or steel finish ring. Fixed lamp holder. Complete with stainless steel casing for inground installation. Resistant to static loads up to 20kN. Fluorescent version with integrated electronic ballast, HIPAR version to be completed with ballast available as an accessory.



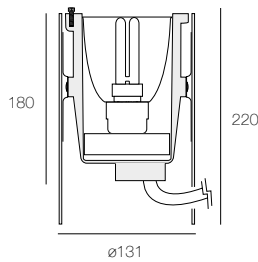
QPAR20 MAX 50W o HIPAR20 35W	WEIGHT	CODE
E27 max 50W	1,8 Kg	1E1293

Precabled with 1m AD8 05ET-F (3x1 mm²). Complete with stainless steel casing for inground installation. Remote power supply for HI-PAR20 metal halide lamps available as accessory.

QPAR 20: constant voltage power supply.

HIPAR 20: 220-240V 50/60Hz

+ All projector's bodies must be completed with decorative ring (See page 538)

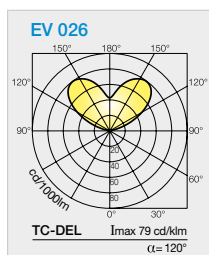


TC-DEL	OPTIC	WEIGHT	CODE
G-24q-1 10W	FL	1,8 Kg	EV 026 1E1294

Precabled with 1m H07RN-F (2x1,5 mm²) cable. Complete with stainless steel casing for in-ground installation. Electronic ballast and fluorescent lamp (4000K) included.

220-240V 50/60Hz

+ All projector's bodies must be completed with decorative ring (See page 538)



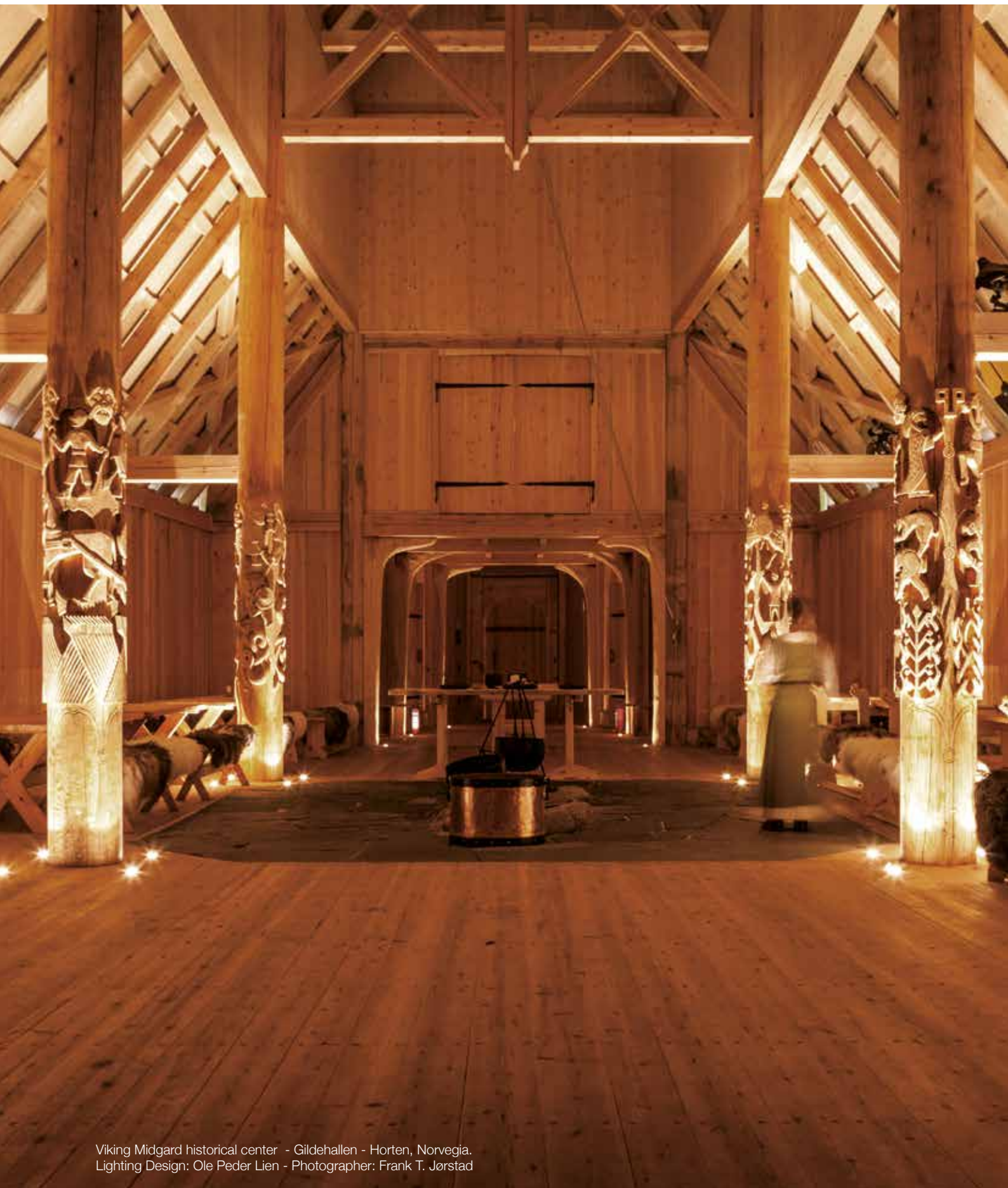
In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1.3 metres but is unsuitable for permanent underwater installation.



For Cool Touch versions, conforming to the regulation regarding temperature limits on glass (EN 60598-2-13) see pag. 725.

ACCESSORIES

See page 540



Viking Midgard historical center - Gildehallen - Horten, Norvegia.
Lighting Design: Ole Peder Lien - Photographer: Frank T. Jørstad

PHENIX

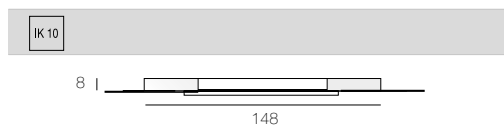
RINGS

Trim rings in stainless steel or anodised aluminium with either natural or black finish, circular or square with straight, bevelled or flush edge. Extra-clear, temperate protection glass, transparent or frosted. Watertight of fixtures with silicon gasket. A4 inox steel screws.



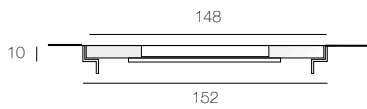
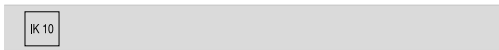
BEVELLED EDGE RING

Ø 148 mm	FINISHING	GLASS	WEIGHT	CODE
	stainless steel	extra clear	0,9 Kg	1E1543
	stainless steel	frosted	0,9 Kg	1E1560
	black anodised aluminium	extra clear	0,4 Kg	1E1295
	black anodised aluminium	frosted	0,4 Kg	1E1559
	natural anodised aluminium	extra clear	0,4 Kg	1E1296
	natural anodised aluminium	frosted	0,4 Kg	1E1558



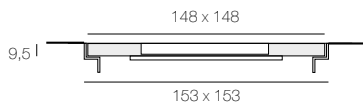
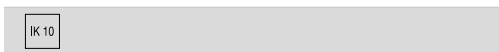
STRAIGHT EDGE RING

Ø 148 mm	FINISHING	GLASS	WEIGHT	CODE
	stainless steel	extra clear	0,9 Kg	1E1544
	stainless steel	frosted	0,9 Kg	1E1563
	black anodised aluminium	extra clear	0,4 Kg	1E1298
	black anodised aluminium	frosted	0,4 Kg	1E1562
	natural anodised aluminium	extra clear	0,4 Kg	1E1299
	natural anodised aluminium	frosted	0,4 Kg	1E1561



FLUSH RING WITH INSERTION COLLAR

Ø 152 mm	FINISHING	GLASS	WEIGHT	CODE
	stainless steel	extra clear	0,9 Kg	1E1545
	stainless steel	frosted	0,9 Kg	1E1542
	black anodised aluminium	extra clear	0,4 Kg	1E1301
	black anodised aluminium	frosted	0,4 Kg	1E1541
	natural anodised aluminium	extra clear	0,4 Kg	1E1302
	natural anodised aluminium	frosted	0,4 Kg	1E1540



SQUARE FLUSH RING WITH INSERTION COLLAR

153x153 mm	FINISHING	GLASS	WEIGHT	CODE
	stainless steel	extra clear	0,9 Kg	1E1546
	stainless steel	frosted	0,9 Kg	1E1566
	black anodised aluminium	extra clear	0,4 Kg	1E1304
	black anodised aluminium	frosted	0,4 Kg	1E1565
	natural anodised aluminium	extra clear	0,4 Kg	1E1305
	natural anodised aluminium	frosted	0,4 Kg	1E1564

PHENIX ACCESSORIES

OPTIC ACCESSORIES



Anti-glare grid

Ø 50 mm

Black

1E1684

Optical system for selectively cutting off glare from a single direction, whilst maintaining the optical and angular features of the reflector.



Chromatic filters

Ø 50 mm

Red

49881

green

49882

Blue

49886

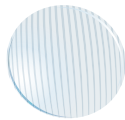
Yellow

49887

Magenta

49959

Chromatic filters for dichroic halogen lamps max 50W.



Blade filter

Ø 50 mm

70434

Blade filter for dichroic halogen lamps max 50W.
To be used with $\leq 10^\circ$ beam apertures.
Creates a "blade" beam for uniform lighting of vertical surfaces.



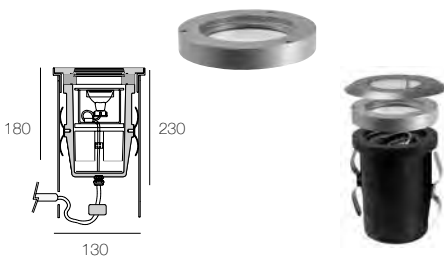
Heat reduction filters

Ø 50 mm

1E0191

Heat reduction filters for dichroic halogen lamps max 50W. Allows for a reduction in temperature on the glass by 30%.

INSTALLATION



Heat dissipation ring

1E0195

Pure anodised aluminium Heat Dissipation Ring. Lowers temperature below 90°C on glass and below 80°C on aluminium disk. Available as an accessory for all PHENIX models. Preserves PHENIX standard insertion diameter. Can be combined with heat reduction filter to improve temperature reduction on glass. Materials: pure anodised cast aluminium and high transmission glass. This system is protected by a world wide patent.



Anti-theft kit

1E1601

Kit of 3 anti-theft screws with special tool supplied.

POWER SUPPLY



Electronic 12V transformer

max 105VA.
220/240V - 50/60 Hz
L. In - 1m (2x1mm²)
L. Out - 1m (2x1mm²)
ø 95 mm
H 78 mm with cord grip



1E1685



Remote power supply

H05RN-F 3x1,0 mm
200x91x63 mm

20W



1E2290

35W



1E2326

Allows for the remote supply of metal halide lamps.



Toroidal 12V transformer

150 VA
230V - 50/60 Hz.
L. In - 1,5m (2x1mm²)
L. Out - 1,5m (2x1,5mm²)
ø135 mm
H 120 mm



70632

200 VA
230V - 50/60 Hz.
L. In - 1,5m (2x1mm²)
L. Out - 1,5m (2x2,5mm²)
ø135 mm
H 120 mm



70633

300 VA
230V - 50/60 Hz.
L. In - 1,5m (2x1mm²)
L. Out - 1,5m (2x4mm²)
ø135 mm
H 120 mm



70634

Height with cord grip

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².



NEPTUNE

STAINLESS STEEL PROFESSIONAL RECESSED UNDERWATER PROJECTOR FOR HALOGEN, WHITE AND RGB LED



EXTENSIVE RANGE

Available in two sizes, with the option to mount low voltage halogen, monochrome LED and RGB LED light sources, the NEPTUNE range offers a wide array of underwater lighting solutions.

STRENGTH AND ADAPTABILITY

Water has always played a key role in architecture. Light has the ability to enhance this role increasing water power of suggestion. Particularly suitable for lighting fountains, pools or areas occasionally subject to submersion, NEPTUNE is a sophisticated, resilient and adaptable projector both in terms of material and mechanical design. Made entirely from 316L steel, it is available in both recessed and adjustable on bracket versions.

SINGLE PIECE

The body of the fixture, as well as its casing, is made from a single piece of steel to prevent rusting. All metal parts are made out of 316L steel, whose resistance to chemical agents and salt makes NEPTUNE perfect for both fresh and salt water installations.





“SAFE TOUCH” RINGS

The 316L steel ring has no protruding screws or other elements potentially dangerous for users of ponds and pools, where the NEPTUNE projector can be suitably installed.

PERMANENT SUBMERSION

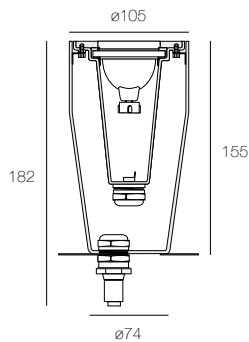
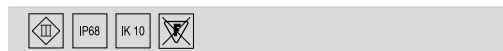
The NEPTUNE range is IP68 rated for permanent underwater installation.




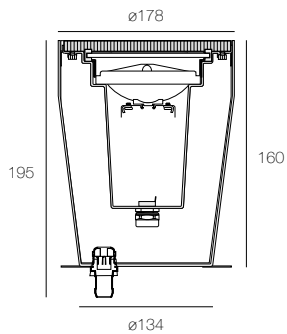
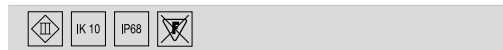
NEPTUNE


Inground submersible projector for halogen with reflector lamps. 316L stainless steel body. Stainless steel brushed polished ring. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. Clear tempered safety glass. Fixed lamp holder. Light emission depending on the beam width of the selected source. Complete with stainless steel insertion case. Use only class AD8 (submersible) H07RN-F cable. Stainless steel cable gland. Precabled on request. Remote transformer available as an accessory. The fixture cannot be used out of the water.

12V



QR-CB51 	WEIGHT	CODE
GU 5.3 max 50W	1,9 Kg	76630
Stainless steel cable gland PG13,5 for cable Ø from 5 to 12mm.		



QR111 	WEIGHT	CODE
GR53 max 100W	3 Kg	76600
Stainless steel cable gland PG16 for cable Ø from 7 to 13mm.		



NEPTUNE projector

See page 614

ACCESSORIES

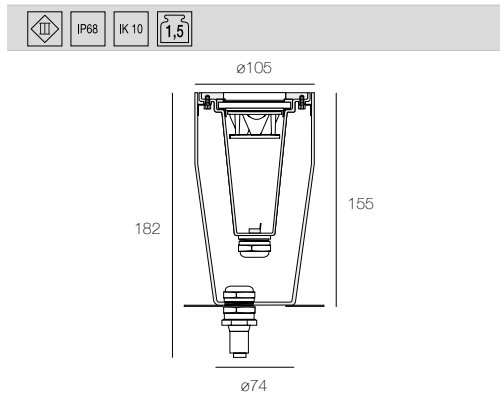
See page 548

LED

Inground submersible projector for white LED.

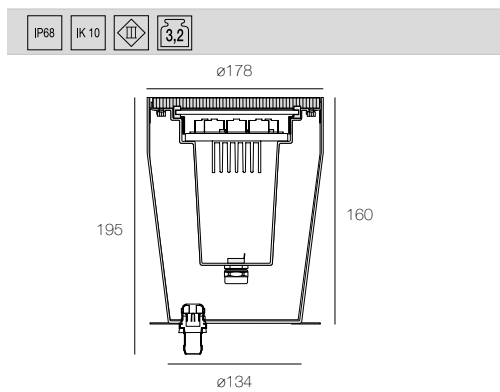
316L stainless steel brushed polished body and ring. Clear tempered safety glass. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. LED board equipped with micro spot lenses. Fixed lamp holder. Complete with stainless steel casing for inground installation. The fixture can also be used out of the water. Use only class AD8 (submersible) H07RN-F cable. Stainless steel cable gland. Precabled on request. 350mA electronic driver available as an accessory.

350mA



3 LED	OPTIC	COLOUR LED	T	△	CODE
3W	SP	Cold white	<40°C	EV 172_C	1E1475

Stainless steel cable gland PG13,5 for cable Ø from 5 to 12mm.



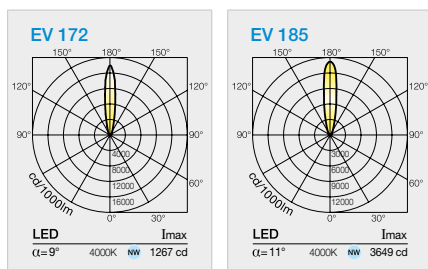
7 LED	OPTIC	COLOUR LED	T	△	CODE
7W	SP	Cold white	<40°C	EV 185_C	1E1481

Stainless steel cable gland PG16 for cable Ø from 7 to 13mm.

POWER SUPPLY

Electronic driver	220/240V - 50/60Hz, h 78, Ø 98	IP68	1E0991
--------------------------	--------------------------------	------	---------------

350mA–28V max. Series connection.
Provide power supply to 2 Neptune small version or to 1 Neptune large version.

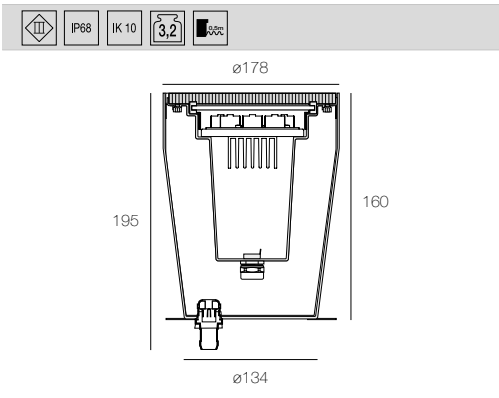


LED versions of NEPTUNE family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as the zones near the edge of the swimming-pool or spaces for children.

NEPTUNE

RGB

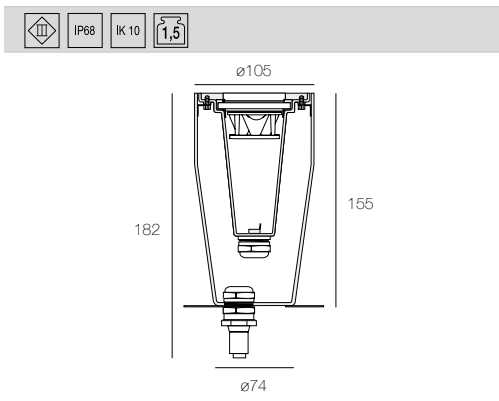
Inground submersible adjustable projector for RGB LED. 316L stainless steel brushed polished body and ring. Clear tempered safety glass. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. LED board equipped with spot lenses. Fixed lamp holder. Complete with stainless steel casing. The fixture can also be used out of the water. Use only class AD8 (submersible) H07RN-F cable Stainless steel cable clamp. Precabled on request. To be fed in constant current 350mA by SECS 75 or 36 (available as accessories) or by an equivalent PWM technology driver. **350mA**



9 LED RGB		OPTIC	T		CODE
10W	SP	<40°C	EV 156	1E1417	
Precabled with 0,5 meters H07RN-F cable with stainless steel cable clamp PG16 for cable Ø from 7 to 13 mm.					

EV 156	(IMAX)
	10W
	3129 cd
	1569 cd
	1754 cd
	249 cd
LED Imax 9230 cd/klm $\alpha=11^\circ$	

EV 293	(IMAX)
	3W
	404 cd
	143 cd
	252 cd
	67 cd
LED Imax 8417 cd/klm $\alpha=11^\circ$	



LED RGB	OPTIC	T		CODE
3W	SP	<40°C	EV 293	1E1852
Full-color RGB LED for homogeneous colour mixing. Stainless steel cable gland PG13,5 for cable Ø from 5 to 12 mm.				

- To feed the fixture a SECS driver is needed: it works as universal power supply for RGB LED fixtures, pre-set chromatic sequences performing unit and DMX interface for external controllers.
- The driver provides the fixtures with the "Easy-Run-Menu" function, for the automatic execution of 16 different pre-set lighting scenes (8 static + 8 dynamic).
- Each SECS 75 unit can drive simultaneously up to 12 NEPTUNE RGB full color and 4 NEPTUNE with 9 RGB LEDs. Each SECS 36 unit can drive simultaneously up to 9 NEPTUNE RGB full color and 3 NEPTUNE with 9 RGB LEDs.
- Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and speed. Control systems technical features see page 702.

ACCESSORIES		CODE
Driver Secs 75	IP67	1E1401
Driver Secs 75	IP20	1T1827
Driver Secs 36	IP20	1T2245
my-SCENARIO SHOW STORE - USB interface		1T1898
Standard Cavo DMX		1T1932
6 wire cable for constant current connection in series.		1E1713



NEPTUNE RGB projector


See page 618


LED versions of NEPTUNE family meet all the requirements of standard EN 60598-2-13 regarding pedestrian use. Low temperatures on the glass characterizing the LED range of fixtures make them suitable even for installation in "special areas", such as the zones near the edge of the swimming-pool or spaces for children.

ACCESSORIES

See page 548

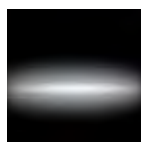
NEPTUNE ACCESSORIES

OPTIC ACCESSORIES		QR111 Ø 112 mm	QR-CB51 Ø 50 mm	
	Chromatic filters	Red	70461	49881
		Green	70462	49882
		Blue	70466	49886
		Yellow	70467	49887
		Magenta	-	49959

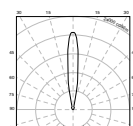
	Frosted filter	70460	70410
-----------------------------------------------------------------------------------	----------------	-------	-------

	Blade filter	70433	70434
-----------------------------------------------------------------------------------	--------------	-------	-------

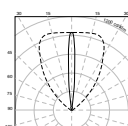
Creates a "blade" beam for uniform lighting of vertical surfaces.



LIGHT BLADE EFFECT




WITHOUT FILTER




WITH FILTER

POWER SUPPLY

	Electronic 12V transformer	max 105VA. 220/240V - 50/60 Hz L. In - 1m (2x1mm ²) L. Out - 1m (2x1mm ²) ø 95 mm H 78 mm with cord grip	IP68	1E1685
-------------------------------------------------------------------------------------	----------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	------	--------

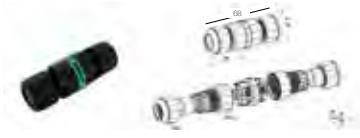
	Toroidal 12V transformer	150 VA 230V - 50/60 Hz. L. In - 1,5m (2x1mm ²) L. Out - 1,5m (2x1,5mm ²) ø135 mm H 120 mm	IP68	70632
-------------------------------------------------------------------------------------	--------------------------	----------------------------------------------------------------------------------------------------------------------------------	------	-------

	Toroidal 12V transformer	200 VA 230V - 50/60 Hz. L. In - 1,5m (2x1mm ²) L. Out - 1,5m (2x2,5mm ²) ø135 mm H 120 mm	IP68	70633
-------------------------------------------------------------------------------------	--------------------------	----------------------------------------------------------------------------------------------------------------------------------	------	-------

	Toroidal 12V transformer	300 VA 230V - 50/60 Hz. L. In - 1,5m (2x1mm ²) L. Out - 1,5m (2x4mm ²) ø135 mm H 120 mm	IP68	70634
-------------------------------------------------------------------------------------	--------------------------	--------------------------------------------------------------------------------------------------------------------------------	------	-------

Height with cord grip

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68



Cinecittà World - Rome, Italy - Architect: Carlo Carreras - Electrical Engineer: ENETEC SRL
Scenography: Dante Ferretti - Photographer: Germano Borrelli

TITANO

SEMI-RECESSED FIXTURE FOR COMPACT FLUORESCENT LAMPS AND WHITE LED



UNIQUE PROJECT, UNIQUE LIGHTING

The grazing light effect produced by TITANO can be projected in a number of different ways. A 106° horizontal aperture allows the light to be projected in one or two directions and a 62° horizontal aperture allows the light to be projected in several directions. The vertical angle is controlled by the lens to produce a glare-free effect which is highly effective on horizontal surfaces.



DRIVE OVER SOLUTIONS

TITANO meet all the requirements of standard **EN 60598-2-13** regarding vehicle and pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as car parks, pedestrian zones and other designated areas.



Walk Over



Drive Over

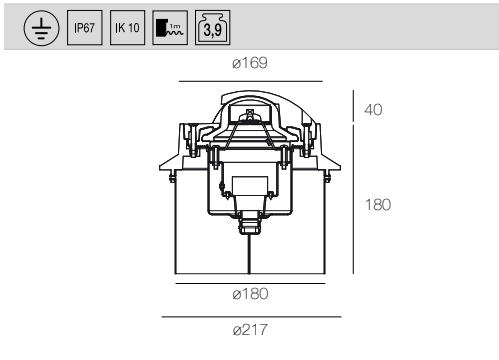


IP67

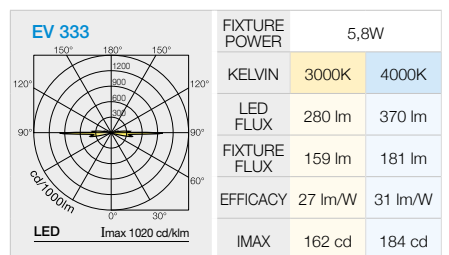
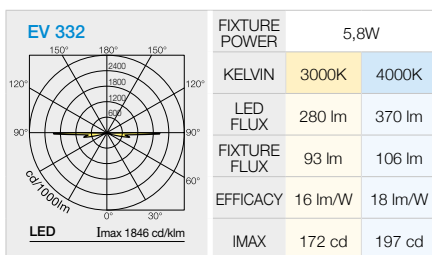
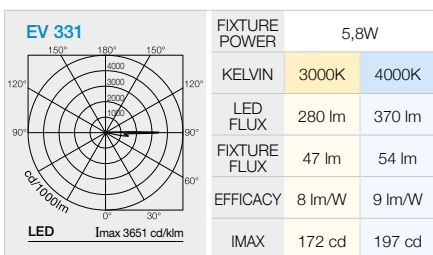
LAMP	POWER	DRIVE OVER WALK OVER
LED	5W	
TC-TEL	13W	

LED

Semi-recessed grazing light effect fixture for white LEDs. Stainless steel body. Painted anodised aluminium ring and cover. Ribbed glass lens for blade of light effect. Resistant to static loads up to 20kN. Integrated power supply. Precabled with 1m H07RN-F (3G1,5mm²) cable and PG16 cable gland.
220-240V 50/60Hz

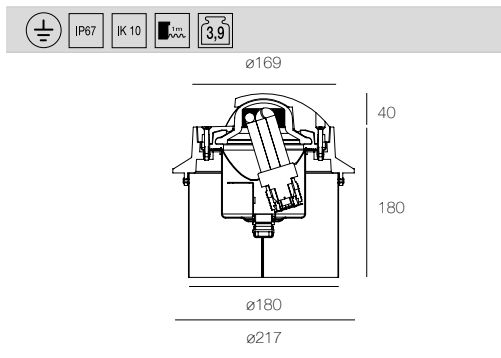


LED	LED COLOUR	EMISSION	△	CODE
5W	ww 3000K	mono-emission	EV 331	1E2770
5W	nw 4000K	mono-emission	EV 331	1E2771
5W	ww 3000K	bi-emission	EV 332	1E2772
5W	nw 4000K	bi-emission	EV 332	1E2773
5W	ww 3000K	pluri-emission	EV 333	1E2774
5W	nw 4000K	pluri-emission	EV 333	1E2775



TITANO

Semi-recessed grazing light effect fixture for fluorescent lamps. Stainless steel body. Painted anodised aluminium ring and cover. Ribbed glass lens for blade of light effect. Resistant to static loads up to 20kN. Integrated power supply. Precabled with 1m H07RN-F (3G1,5 mm²) cable and PG16 cable gland.
220-240V 50/60Hz



TC-TEL	EMISSION	OPTIC	T	△	CODE
GX24 q-1	13W mono-emission	WWLF	-	193	1E2776
	13W bi-emission	WWLF	-	194	1E2777
	13W pluri-emission	WWLF	-	195	1E2778

POWER SUPPLY



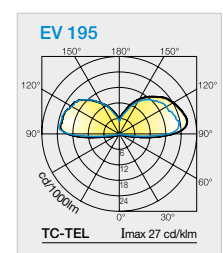
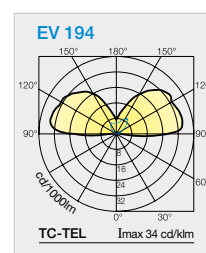
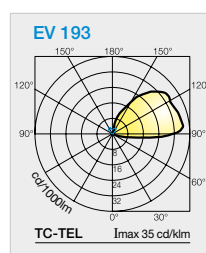
Connector Cable diameter range from 7 to 12 mm. [1E2493](#)

For coaxial connection.
 4 poles max. wire section 2.5 mm².



Connector Cable diameter range from 8 to 12 mm. [1E2494](#)

For coaxial connections. 1 IN - 3 OUT
 4 poles max. wire section 2.5 mm².





Palazzo Mediceo – Seravezza, Lucca, Italy

LED.Y



Metropolis, Moscow, Russia. Project: RTKL - Lighting design: Bliss Fasman

COMPACT INGROUND, WALL AND CEILING RECESSED PROJECTOR FOR MONOCHROMATIC AND RGB LED

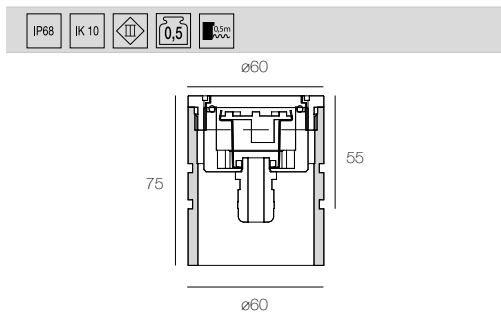


LED.Y

MULTYLED

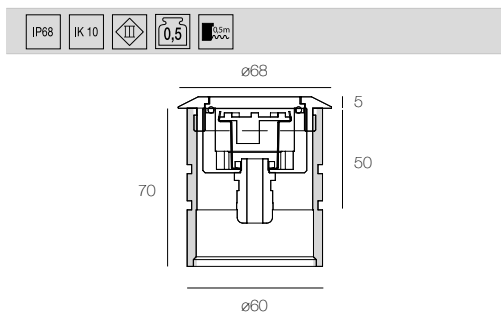
Recessed projector for high intensity monochromatic LED. Anodised aluminium body and ring. Vandal-proof polycarbonate diffuser. Suitable for underwater (fresh water) installation. Steel springs for wall or ceiling mounting available as accessories. Complete with PVC casing for inground installation. Resistant to static loads up to 20kN. Precabled with 0,5m power cable (2x0,5mm²). Remote electronic driver available as an accessory. Connection in parallel.

24V DC



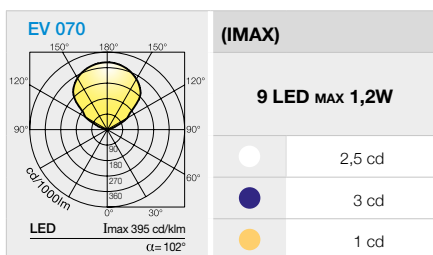
LED	LED COLOUR	RING	SCREEN	T	CODE
1,2W	cold white	flush	flat	<40°C	1E1022
1,2W	blue	flush	flat	<40°C	1E1028
1,2W	amber	flush	flat	<40°C	1E1021

24VDC electronic driver available as accessory. Connection in parallel.



LED	LED COLOUR	RING	SCREEN	T	CODE
1,2W	cold white	raised	flat	<40°C	1E1012
1,2W	blue	raised	flat	<40°C	1E1018
1,2W	amber	raised	flat	<40°C	1E1011

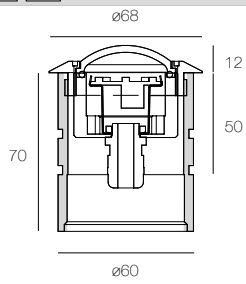
24VDC electronic driver available as accessory. Connection in parallel.




All LED.Y fixtures meet all the requirements of standard EN 60598-2-13 regarding pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as pedestrian zones and other designated areas.

ACCESSORIES

See page 560



LED 	LED COLOUR	RING	SCREEN	T	CODE
1,2W	cold white	raised	curved	<math><40^{\circ}\text{C}</math>	1E1002
1,2W	blue	raised	curved	<math><40^{\circ}\text{C}</math>	1E1008
1,2W	amber	raised	curved	<math><40^{\circ}\text{C}</math>	1E1001

24VDC electronic driver available as accessory. Connection in parallel.

POWER SUPPLY



Electronic driver 220/240V - 50/60Hz - h 78, \varnothing 98

24V dc – 10W max.
up to 8 LED.Y connected in parallel.



[1E0992](#)

24V dc – 20W max.
fup to 16 LED.Y connected in parallel.



[1E0993](#)

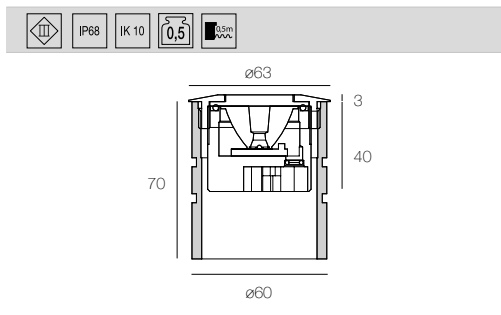
LED.Y

MONOLED

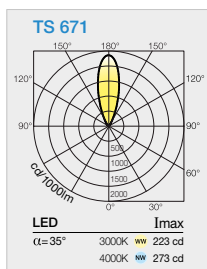
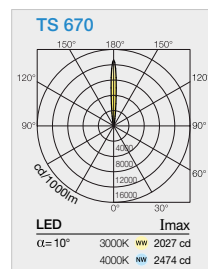
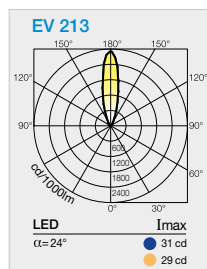
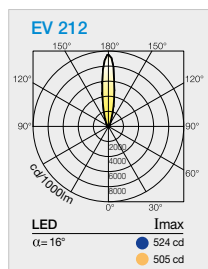
Recessed projector for monochromatic LED.

Anodised aluminium body and ring. Flush covering ring with transparent polycarbonate vandal-proof cover 40 joule shock resistant. Optics with plastic lenses. Suitable for underwater (fresh water) installation. Complete with PVC casing for in-ground installation. Resistant to static loads up to 20kN. Steel springs for wall or ceiling mounting available as accessories. Precabled with 0,5m power cable (2x0,5mm²). Remote electronic driver available as an accessory. To be connected in series. Resinated cable for water tight.

700mA



LED	LED COLOUR	OPTIC	△	CODE
2W	cold white 6000K	SP	TS 670	1E2368
2W	warm white 3000K	SP	TS 670	1E2367
3W	blue	SP	EV 212	1E1366
3W	amber	SP	EV 212	1E1367
2W	cold white 6000K	FL	TS 671	1E2370
2W	warm white 3000K	FL	TS 671	1E2369
3W	blue	FL	EV 213	1E2350
3W	amber	FL	EV 213	1E2351



All LED.Y fixture meet all the requirements of standard EN 60598-2-13 regarding pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as pedestrian zones and other designated areas.

ACCESSORIES

See page 560

POWER SUPPLY



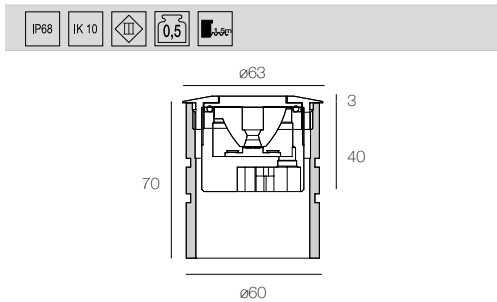
700 mA - 28V max.
It can drive simultaneously up to 6 LED.Y fixtures.
Connection in series.

[1E1385](#)

LED.Y

RGB

Recessed projector for multichip full-color RGB LED. Anodized aluminium body and ring. Flush covering ring with polycarbonate vandal-proof cover 40 Joule shock resistant. Optics equipped with plastic prismatic lens. Full-color LED for homogeneous colour mixing. Complete with PVC casing for in-ground installation. Suitable for underwater (fresh water) installation. To be fed in constant current 350mA by SECS 75 or 36 (available as accessories) or by an equivalent PWM technology driver. Precabled with 1,5m hexapolar cable (6x0,5mm²) for outdoor use. Resinated cable for water tight.
3x350mA



LED RGB	OPTIC	T		CODE
3,5W	SP	<40°C	EV 293	1E1854
3,5W	FL	<40°C	EV 149	1E1409

To be completed with SECS driver.

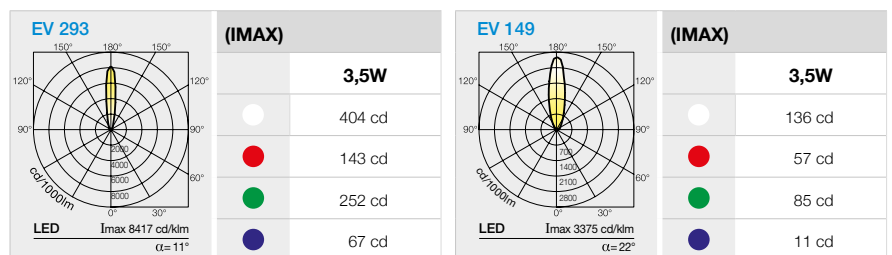


LED.Y projector

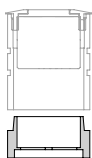
See page 625

- To feed the fixture a SECS driver is needed: it works as universal power supply for RGB LED fixtures, pre-set chromatic sequences performing unit and DMX interface for external controllers.
- The driver provides the fixtures with the "Easy-Run-Menu" function, for the automatic execution of 16 different pre-set lighting scenes (8 static + 8 dynamic).
- Each SECS 75 unit can drive simultaneously up to 12 LED.Y RGB. Each SECS 36 unit can drive simultaneously up to 9 LED.Y RGB.
- Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and speed . For control systems technical features see page 702.

ACCESSORIES		CODE
Driver Secs 75	IP67	1E1401
Driver Secs 75	IP20	1T1827
Driver Secs 36	IP20	1T2245
my-SCENARIO SHOW STORE - USB interface		1T1898
6 wire cable for constant current connection in series.		1E1713



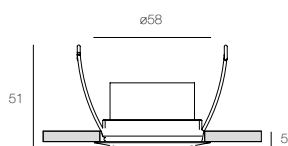
INSTALLATION



Installation kit

1E0994

Extension for the PVC casing. A wider space facilitates the electrical connections. Water tight electrical connection system is not included.



Steel spring

1E0996

For installation on ceiling and wall.



Mounting key

1E0990

POWER SUPPLY



Connector Cable diameter range from 7 to 12 mm. **1E2493**

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector Cable diameter range from 8 to 12 mm. **1E2494**

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68

LINEAR LIGHTING

OUT

DO

OR

JEDI RECESSED AND PROJECTOR

The new coordinated range of recessed or invisible linear fixtures for lighting building facades. The ideal tool to light any vertical surface precisely. JEDI's flexibility is ensured by the three available lengths (600, 900 and 1200mm) as well as the combination of the various optical systems and installation possibilities. It can be installed in many different ways to meet the needs of any architectural project.



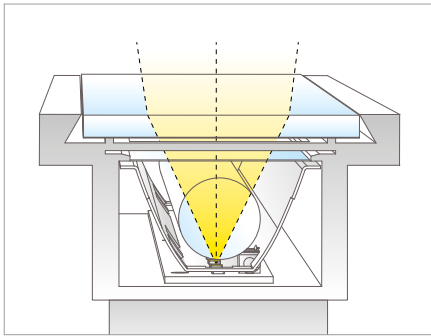
FOUR DIFFERENT OPTICAL SYSTEMS

Grazing Optic for a grazing, uniform light effect for installation near to the wall to be illuminated. Wall Washer Optic for a uniform effect with installation even 80cm from the wall. Spot and Flood Optic for more concentrated, precise lighting. Each of these effects can be achieved both with the recessed and the projector version and can be wall or ceiling mounted with adjustable, swivel brackets.

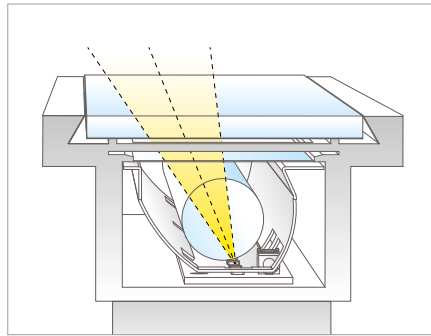


PATENTED OPTICAL SYSTEM

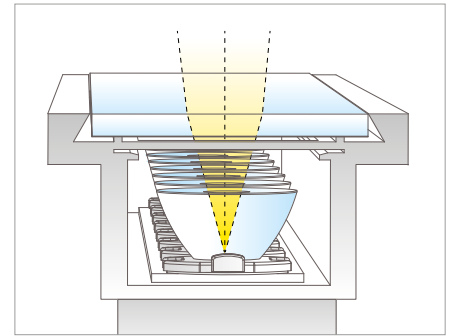
The optical system in the Flood, Grazing and Wall Washer versions is innovative. A mid-power or high-power LED board is combined with a proprietary owned "Patent Pending" optical unit consisting of a PMMA cylinder and a special high reflectance reflector (97%) and holographic filter that softens light emission. The optical system produces a completely homogeneous effect on the wall thus avoiding any light strips or separated beams that are typical of linear fixtures fitted with visible LED strip lamps.



GRAZING



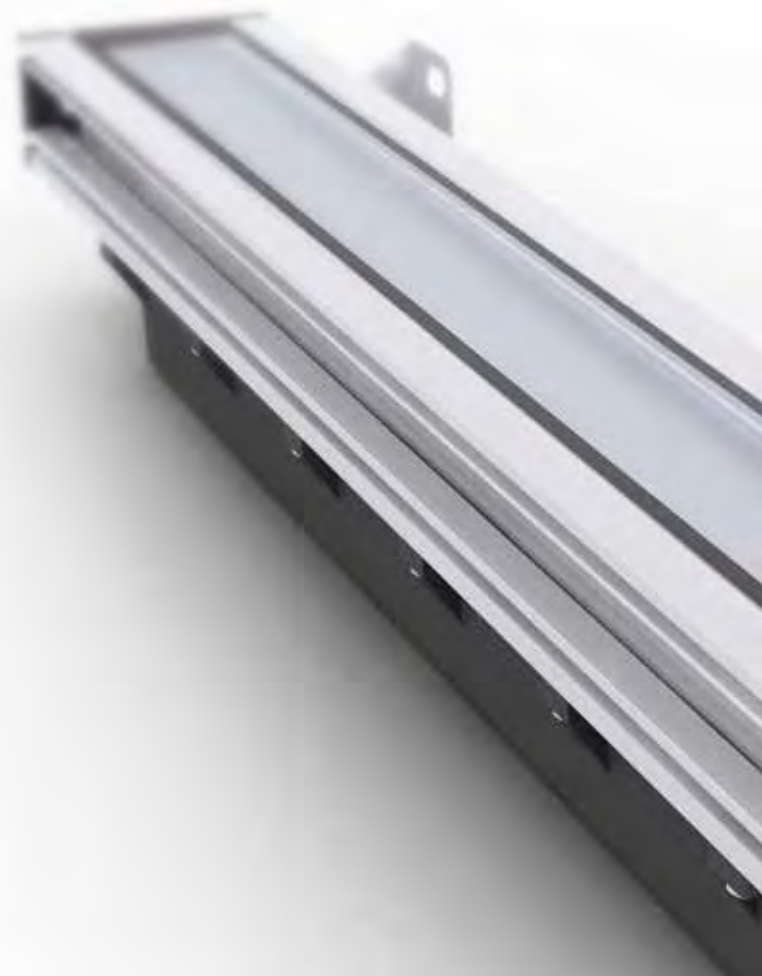
WALL WASHER



SPOT

SPOT VERSION FOR DEFINED BEAMS

The various optical systems for the JEDI range also includes the Spot version that can produce defined vertical beams along the length of the fixture. A special LED board is fitted with methacrylate lenses to enhance and optimise the beam to produce a real blade of light that runs along the vertical surface. This is the ideal solution to emphasize particular mouldings and obtain a boundary between light and shade.



INTEGRATED POWER SUPPLY

JEDI is available with integrated electronic or DALI power supply that is set up for looping with IP68 in-out connectors. Available in DMX version on request.

DIFFERENT LUMEN PACKAGES

The different lengths have lumen packages proportionate to their sizes. The same quantity of light per linear metre makes it possible to light surfaces uniformly regardless of the length of the product installed.

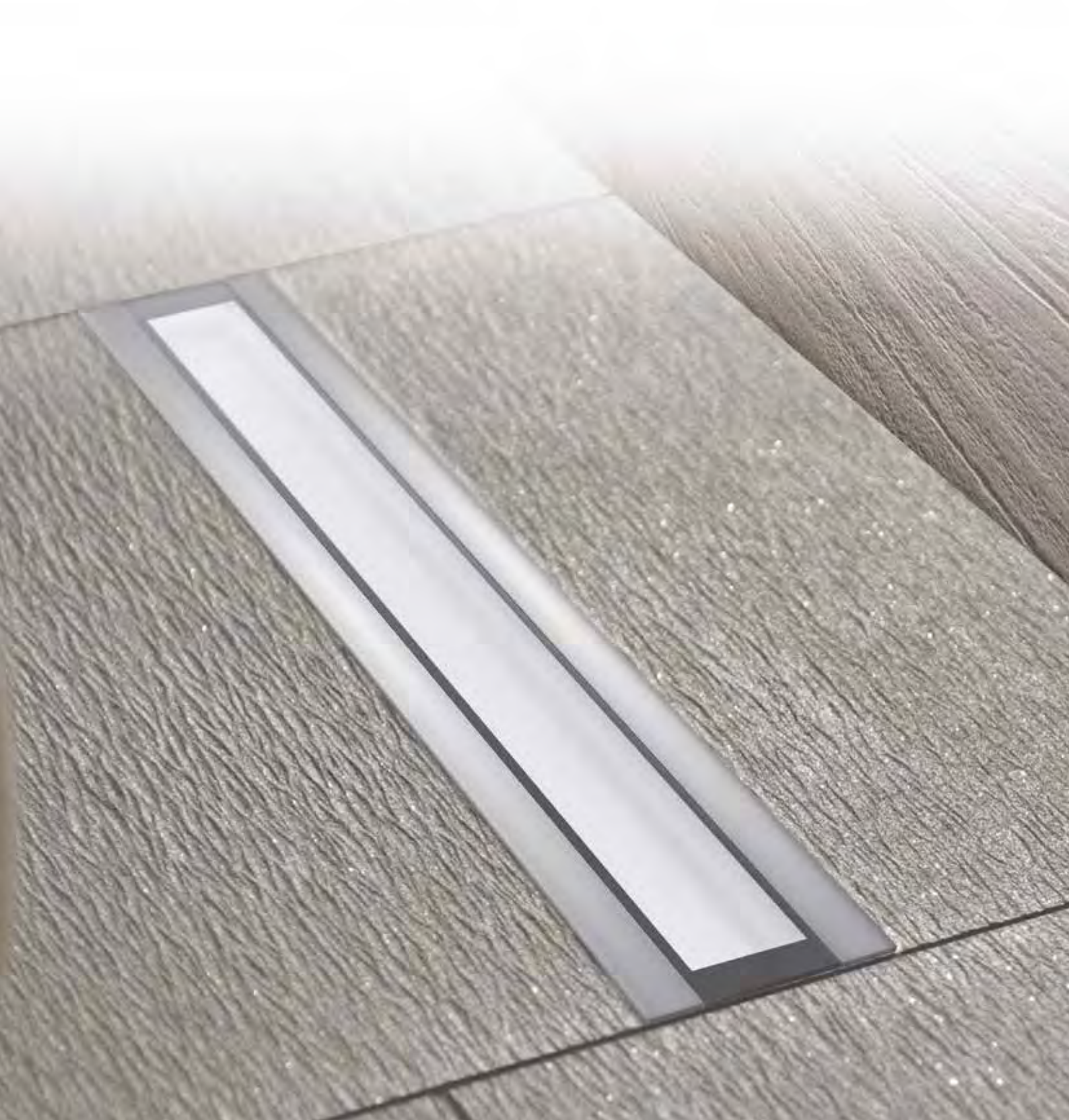
JEDI projector see pag. 660

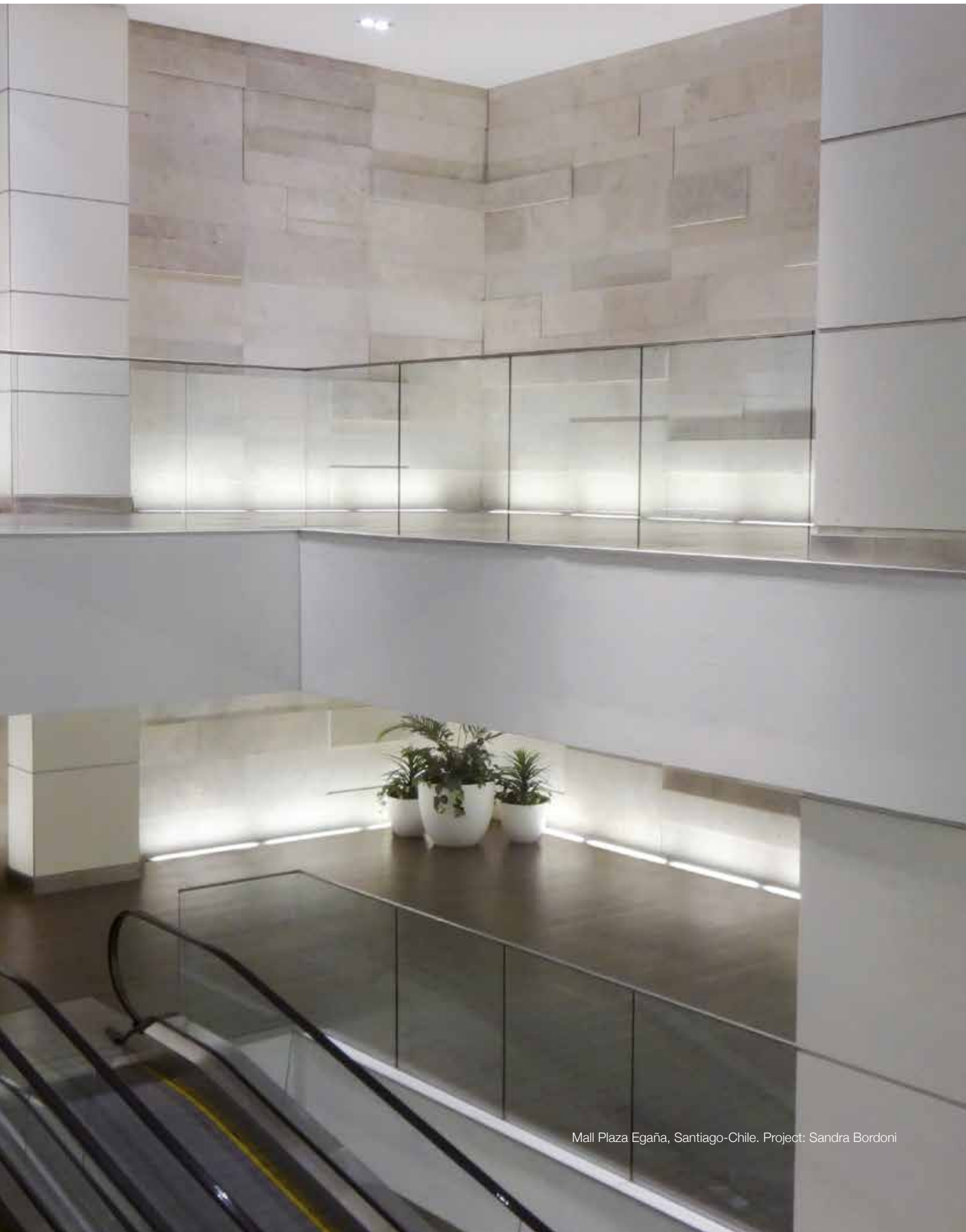
RGBW version available on request.

JEDI RECESSED

RECESSED SOLUTION

The elegant lines in brushed steel and glass make the recessed version a real professional fixture. JEDI is high performance, drive over (20kN), highly resistant to vandalism (IK10) and completely waterproof. It complies fully with all IP66, IP67 and IP68 protection requirements. The fixture is completely sealed and has an external electrical connection through IP68 connectors. Installation is recessed and available in three different lengths. It is the ideal combination of aesthetics and resistance.





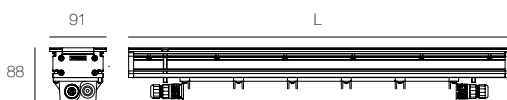
Mall Plaza Egaña, Santiago-Chile. Project: Sandra Bordini

JEDI RECESSED

LED

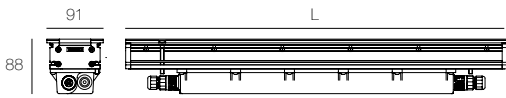
Powerful recessed linear LED projector. Extruded anodised aluminium 15µ body. Extra clear 10mm thick glass flat screen. Brushed stainless steel (AISI 316) frame. Internal optical unit composed of a primary cylindrical methacrylate lens, a high reflectance anodised aluminium reflector and an integrated holographic filter for Grazing, Flood and Wall washer effects; acrylic lenses with integrated holographic filter for Spot effects. The body of the fixture can resist a static load up to 20kN and vandalism (IK10). Integrated electronic power supply for the standard and Dali versions. Black polycarbonate driver box. To be completed with watertight IP68 (IN-OUT) connectors kit with a rapid mounting system for in-line installations (1E2769). Pre-set for connection with H07RN8-F (3G2,5mm² max - Φ7mm÷12mm max) cable for electronic version and H07RN8-F (5G1,5mm² max - 7mm÷12mm max) cable for DALI version. Non-slip glass available on request. To be completed with an aluminium insertion box suitable for in-line installation.

220-240V 50/60Hz



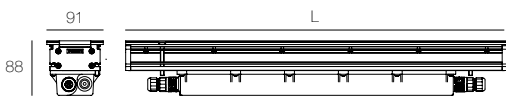
GRAZING

LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
12W	WW 3000K	616 mm	Electronic	0,9 Kg	TS888	1E2665
12W	NW 4000K	616 mm	Electronic	0,9 Kg	TS888	1E2666
12W	WW 3000K	616 mm	DALI	0,9 Kg	TS888	1E2667
12W	NW 4000K	616 mm	DALI	0,9 Kg	TS888	1E2668
18W	WW 3000K	916 mm	Electronic	4,5 Kg	TS888	1E2673
18W	NW 4000K	916 mm	Electronic	4,5 Kg	TS888	1E2674
18W	WW 3000K	916 mm	DALI	4,5 Kg	TS888	1E2675
18W	NW 4000K	916 mm	DALI	4,5 Kg	TS888	1E2676
24W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS888	1E2681
24W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS888	1E2682
24W	WW 3000K	1216 mm	DALI	7,0 Kg	TS888	1E2683
24W	NW 4000K	1216 mm	DALI	7,0 Kg	TS888	1E2684
24W	WW 3000K	616 mm	Electronic	0,9 Kg	TS887	1E2669
24W	NW 4000K	616 mm	Electronic	0,9 Kg	TS887	1E2670
24W	WW 3000K	616 mm	DALI	0,9 Kg	TS887	1E2671
24W	NW 4000K	616 mm	DALI	0,9 Kg	TS887	1E2672
36W	WW 3000K	916 mm	Electronic	4,5 Kg	TS887	1E2677
36W	NW 4000K	916 mm	Electronic	4,5 Kg	TS887	1E2678
36W	WW 3000K	916 mm	DALI	4,5 Kg	TS887	1E2679
36W	NW 4000K	916 mm	DALI	4,5 Kg	TS887	1E2680
48W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS887	1E2685
48W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS887	1E2686
48W	WW 3000K	1216 mm	DALI	7,0 Kg	TS887	1E2687
48W	NW 4000K	1216 mm	DALI	7,0 Kg	TS887	1E2688



SPOT

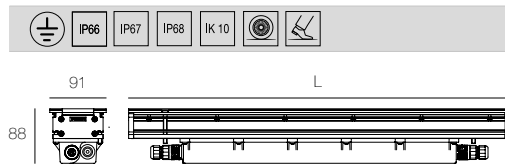
LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
23W	WW 3000K	616 mm	Electronic	2,5 Kg	TS889	1E2737
23W	NW 4000K	616 mm	Electronic	2,5 Kg	TS889	1E2738
23W	WW 3000K	616 mm	DALI	2,5 Kg	TS889	1E2739
23W	NW 4000K	616 mm	DALI	2,5 Kg	TS889	1E2740
34W	WW 3000K	916 mm	Electronic	3,5 Kg	TS889	1E2741
34W	NW 4000K	916 mm	Electronic	3,5 Kg	TS889	1E2742
34W	WW 3000K	916 mm	DALI	3,5 Kg	TS889	1E2743
34W	NW 4000K	916 mm	DALI	3,5 Kg	TS889	1E2744
46W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS889	1E2745
46W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS889	1E2746
46W	WW 3000K	1216 mm	DALI	5,0 Kg	TS889	1E2747
46W	NW 4000K	1216 mm	DALI	5,0 Kg	TS889	1E2748



FLOOD

LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
12W	WW 3000K	616 mm	Electronic	0,9 Kg	TS886	1E2689
12W	NW 4000K	616 mm	Electronic	0,9 Kg	TS886	1E2690
12W	WW 3000K	616 mm	DALI	0,9 Kg	TS886	1E2691
12W	NW 4000K	616 mm	DALI	0,9 Kg	TS886	1E2692
18W	WW 3000K	916 mm	Electronic	4,5 Kg	TS886	1E2697
18W	NW 4000K	916 mm	Electronic	4,5 Kg	TS886	1E2698
18W	WW 3000K	916 mm	DALI	4,5 Kg	TS886	1E2699
18W	NW 4000K	916 mm	DALI	4,5 Kg	TS886	1E2700
24W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS886	1E2705
24W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS886	1E2706
24W	WW 3000K	1216 mm	DALI	7,0 Kg	TS886	1E2707
24W	NW 4000K	1216 mm	DALI	7,0 Kg	TS886	1E2708
24W	WW 3000K	616 mm	Electronic	0,9 Kg	TS885	1E2693
24W	NW 4000K	616 mm	Electronic	0,9 Kg	TS885	1E2694
24W	WW 3000K	616 mm	DALI	0,9 Kg	TS885	1E2695
24W	NW 4000K	616 mm	DALI	0,9 Kg	TS885	1E2696
36W	WW 3000K	916 mm	Electronic	4,5 Kg	TS885	1E2701
36W	NW 4000K	916 mm	Electronic	4,5 Kg	TS885	1E2702
36W	WW 3000K	916 mm	DALI	4,5 Kg	TS885	1E2703
36W	NW 4000K	916 mm	DALI	4,5 Kg	TS885	1E2704
48W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS885	1E2709
48W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS885	1E2710
48W	WW 3000K	1216 mm	DALI	7,0 Kg	TS885	1E2711
48W	NW 4000K	1216 mm	DALI	7,0 Kg	TS885	1E2712

JEDI RECESSED

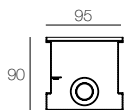


WALL WASHER

LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
12W	WW 3000K	616 mm	Electronic	0,9 Kg	TS884	1E2713
12W	NW 4000K	616 mm	Electronic	0,9 Kg	TS884	1E2714
12W	WW 3000K	616 mm	DALI	0,9 Kg	TS884	1E2715
12W	NW 4000K	616 mm	DALI	0,9 Kg	TS884	1E2716
18W	WW 3000K	916 mm	Electronic	4,5 Kg	TS884	1E2721
18W	NW 4000K	916 mm	Electronic	4,5 Kg	TS884	1E2722
18W	WW 3000K	916 mm	DALI	4,5 Kg	TS884	1E2723
18W	NW 4000K	916 mm	DALI	4,5 Kg	TS884	1E2724
24W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS884	1E2729
24W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS884	1E2730
24W	WW 3000K	1216 mm	DALI	7,0 Kg	TS884	1E2731
24W	NW 4000K	1216 mm	DALI	7,0 Kg	TS884	1E2732
24W	WW 3000K	616 mm	Electronic	0,9 Kg	TS883	1E2717
24W	NW 4000K	616 mm	Electronic	0,9 Kg	TS883	1E2718
24W	WW 3000K	616 mm	DALI	0,9 Kg	TS883	1E2719
24W	NW 4000K	616 mm	DALI	0,9 Kg	TS883	1E2720
36W	WW 3000K	916 mm	Electronic	4,5 Kg	TS883	1E2725
36W	NW 4000K	916 mm	Electronic	4,5 Kg	TS883	1E2726
36W	WW 3000K	916 mm	DALI	4,5 Kg	TS883	1E2727
36W	NW 4000K	916 mm	DALI	4,5 Kg	TS883	1E2728
48W	WW 3000K	1216 mm	Electronic	7,0 Kg	TS883	1E2733
48W	NW 4000K	1216 mm	Electronic	7,0 Kg	TS883	1E2734
48W	WW 3000K	1216 mm	DALI	7,0 Kg	TS883	1E2735
48W	NW 4000K	1216 mm	DALI	7,0 Kg	TS883	1E2736

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1 meter but is unsuitable for permanent underwater installation.

INSTALLATION ACCESSORIES



Insertion boxes L=616mm

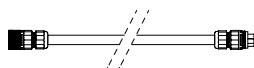
1E2749

Insertion boxes L=916mm

1E2750

Insertion boxes L=1216mm

1E2751



Connection cable L=320mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 600mm projector with one 900mm projector.

1E2762

Connection cable L=470mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 600mm projector with one 1200mm projector or two 900mm projectors.

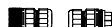
1E2763

Connection cable L=620mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 900mm projector with one 1200mm projector.

1E2764

Connection cable L=770mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of two 1200mm projectors.

1E2765



Connectors kit for coaxial connection 5 poles.

1E2769

TS 889	SPOT	600mm	900mm	1200mm	600mm	900mm	1200mm
			28W	40W	51W	28W	40W
	KELVIN	3000K			4000K		
	LED FLUX	1947 lm	2922 lm	3894 lm	2109 lm	3165 lm	4218 lm
	FIXTURE FLUX	1591 lm	2387 lm	3181 lm	1723 lm	2586 lm	3446 lm
	EFFICACY	57 lm/W	60 lm/W	62 lm/W	61 lm/W	65 lm/W	68 lm/W
	IMAX	32201 cd	48326 cd	64401 cd	34880 cd	52345 cd	69760 cd

TS 888	GRAZING	600mm	900mm	1200mm	600mm	900mm	1200mm
			15W	22W	28W	15W	22W
	KELVIN	3000K			4000K		
	LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
	FIXTURE FLUX	1429 lm	2144 lm	2859 lm	1496 lm	2244 lm	2992 lm
	EFFICACY	95 lm/W	97 lm/W	102 lm/W	100 lm/W	102 lm/W	107 lm/W
	IMAX	2753 cd	4130 cd	5506 cd	2881 cd	4322 cd	5762 cd

TS 887	GRAZING	600mm	900mm	1200mm	600mm	900mm	1200mm
			28W	40W	53W	28W	40W
	KELVIN	3000K			4000K		
	LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
	FIXTURE FLUX	2842 lm	4263 lm	5684 lm	2983 lm	4475 lm	5967 lm
	EFFICACY	101 lm/W	107 lm/W	107 lm/W	106 lm/W	112 lm/W	113 lm/W
	IMAX	5474 cd	8210 cd	10947 cd	5747 cd	8621 cd	11494 cd

TS 884	WW	600mm	900mm	1200mm	600mm	900mm	1200mm
			15W	22W	28W	15W	22W
	KELVIN	3000K			4000K		
	LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
	FIXTURE FLUX	1293 lm	1940 lm	2587 lm	1354 lm	2030 lm	2707 lm
	EFFICACY	86 lm/W	88 lm/W	92 lm/W	90 lm/W	92 lm/W	97 lm/W
	IMAX	1331 cd	1996 cd	2662 cd	1393 cd	2089 cd	2786 cd

TS 883	WW	600mm	900mm	1200mm	600mm	900mm	1200mm
			28W	40W	53W	28W	40W
	KELVIN	3000K			4000K		
	LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
	FIXTURE FLUX	2572 lm	3858 lm	5144 lm	2700 lm	4049 lm	5399 lm
	EFFICACY	92 lm/W	96 lm/W	97 lm/W	96 lm/W	101 lm/W	102 lm/W
	IMAX	2646 cd	3969 cd	5292 cd	2778 cd	4167 cd	5557 cd

TS 886	FLOOD	600mm	900mm	1200mm	600mm	900mm	1200mm
			15W	22W	28W	15W	22W
	KELVIN	3000K			4000K		
	LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
	FIXTURE FLUX	1285 lm	1927 lm	2570 lm	1345 lm	2017 lm	2689 lm
	EFFICACY	86 lm/W	88 lm/W	92 lm/W	90 lm/W	92 lm/W	96 lm/W
	IMAX	1203 cd	1804 cd	2405 cd	1263 cd	1894 cd	2517 cd

TS 885	FLOOD	600mm	900mm	1200mm	600mm	900mm	1200mm
			28W	40W	53W	28W	40W
	KELVIN	3000K			4000K		
	LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
	FIXTURE FLUX	2555 lm	3833 lm	5111 lm	2682 lm	4024 lm	5365 lm
	EFFICACY	91 lm/W	96 lm/W	96 lm/W	96 lm/W	101 lm/W	101 lm/W
	IMAX	2391 cd	3587 cd	4783 cd	2511 cd	3767 cd	5022 cd

MERCURE

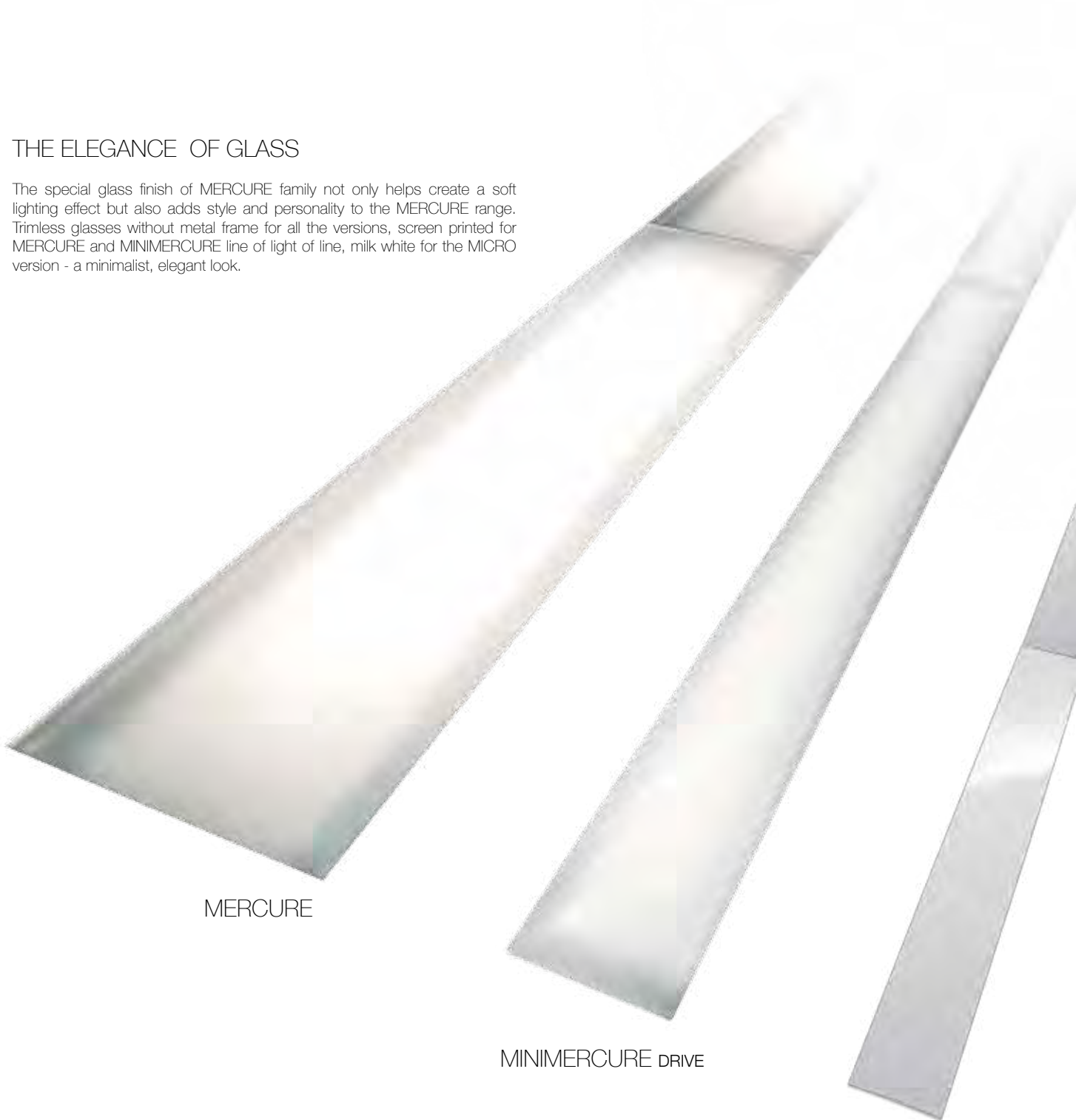


Fonderia - Follonica - GR, Italy. Project: Politecnica Firenze

LINEAR RECESSED FIXTURE FOR FLUORESCENT LAMPS, MONOCHROMATIC, WHITE AND RGB LED

THE ELEGANCE OF GLASS

The special glass finish of MERCURE family not only helps create a soft lighting effect but also adds style and personality to the MERCURE range. Trimless glasses without metal frame for all the versions, screen printed for MERCURE and MINIMERCURE line of light of line, milk white for the MICRO version - a minimalist, elegant look.



MERCURE

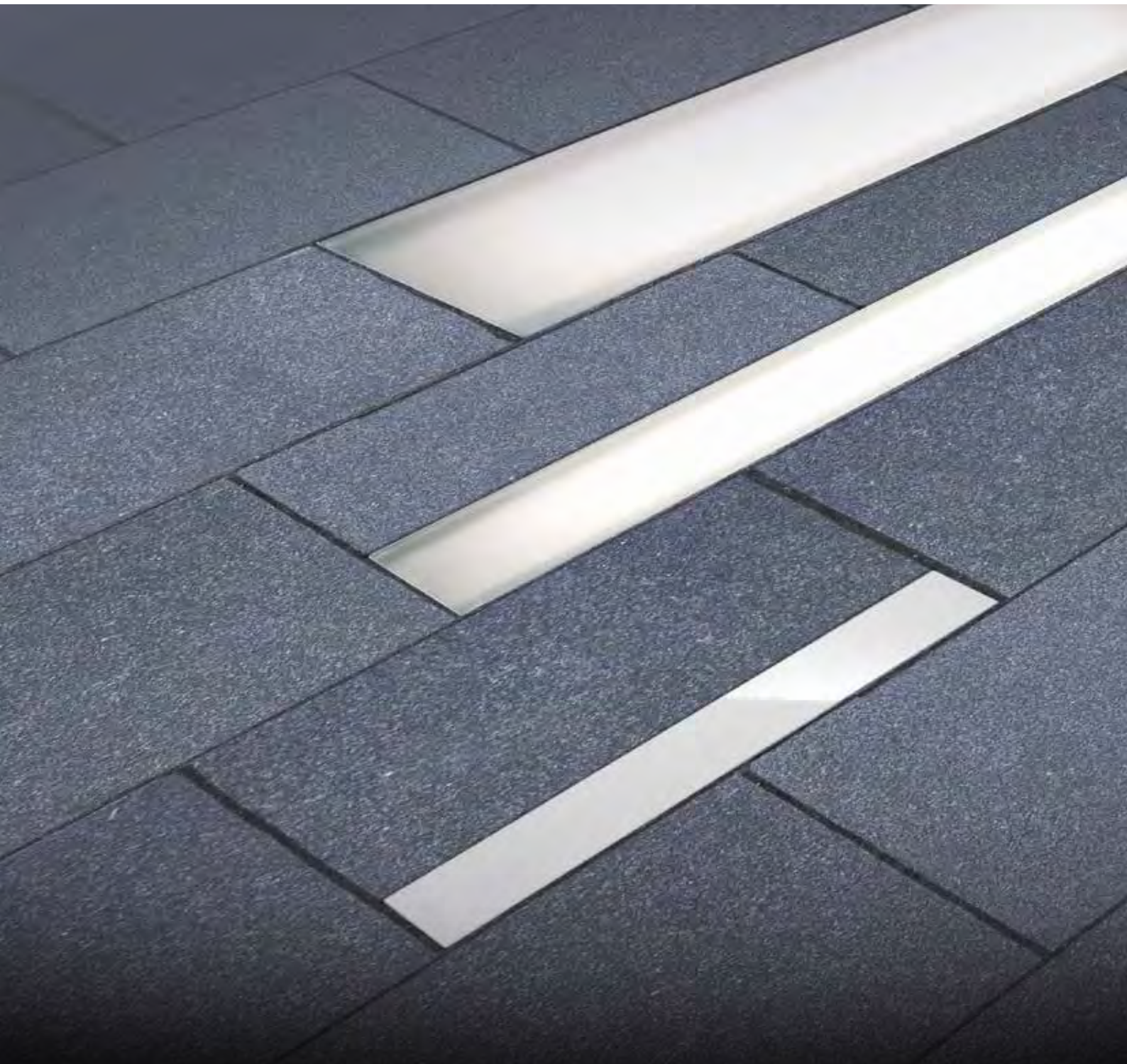
MINIMERCURE DRIVE

MICROMERCURE

LINES OF LIGHT

The MERCURE range is designed to be installed in continuous lines to create an uninterrupted and clean light effect. A spectacular linear installation is simple to create thanks to the frameless flush-mounted glass, casings with removable edges, and the ease with which fixtures can be linked together.

MERCURE

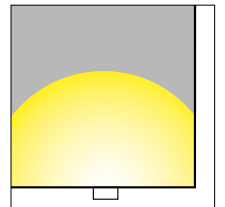


TAILORED ON THE PROJECT

One unit, three sizes for many applications. MERCURE is the largest luminaire in the range and is perfect for highlighting a key area or for softly illuminating even large vertical surfaces. MINIMERCURE is perfect for creating a subtle line of light while MICROMERCURE, the smallest of the range at only 30cm in length and less than 4cm across, is perfect for highlighting paths and walkways.

DIFFERENT OPTICAL SOLUTIONS

Two different lighting effects: asymmetrical emission for "washing" large surfaces in soft light while maintaining a high glare control level and diffuse emission for creating suggestive luminous walkways.



Light Line



HIGH RESISTANCE

All fixtures in the MERCURE series meet the requirements of standard EN 60598-2-13 for pedestrian areas. The smallest fixtures in the range of MINIMERCURE DRIVE and MICROMERCURE also meet requirements for vehicle use. Clean and elegant design with maximum resistance.



Walk Over



Drive Over



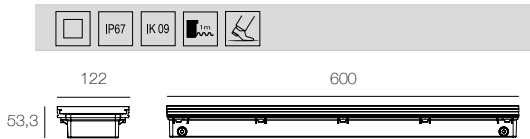
IP67

MERCURE

LIGHT-LINE

Inground linear projector for LED and linear fluorescent lamps. Die cast aluminium housing. Anti slip, flush, tempered safety glass, white silk-screen printed to soften light emission. The glass is coupled to the body through screws. White painted steel symmetric reflector. To be completed with insertion box. Suitable for in-line installation. Resistant to static loads up to 12kN. Integrated electronic power supply. Precabled with H07RN-F (2x1,5mm²) resinate cable to ensure a perfect watertight seal. Supplied with IP68 coaxial connection kit. Power supply integrated.

220-240V 50/60Hz




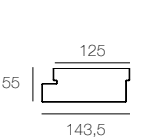
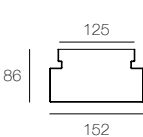
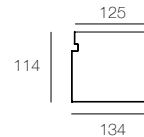
LED	LED COLOUR	WEIGHT	T	△	CODE
12W	WW 3000K	4,2 Kg	<40°C	EV 338_W	1E2274
12W	NW 4000K	4,2 Kg	<40°C	EV 338_N	1E2275

Supplied with IP68 coaxial connection kit.

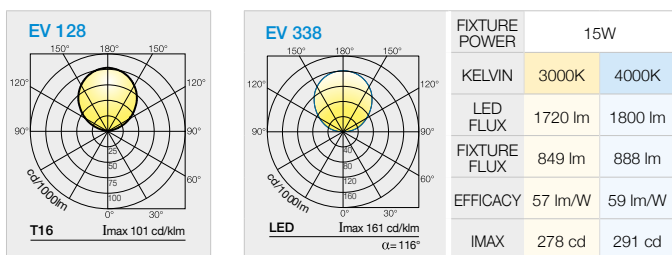
T16	WEIGHT	T	△	CODE
G5 24W	3,8 Kg	42/44°C	EV 128	1E2272

Supplied with IP68 coaxial connection kit.

+  All projector's bodies must be completed with insertion box

INSERTION BOX	DEPTH	CODE
	low	1E2264
	medium	1E2265
	high	1E2266

Anodized aluminium insertion box available in three different heights to satisfy any installation need. Complete with removable end caps for in-line installation.





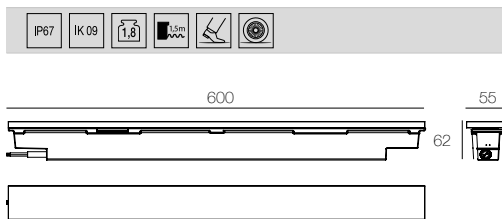
Edgar N. Putman Event Pavillon - Doylestown Pennsylvania - U.S.A.

MINIMERCURE DRIVE

LED

Inground linear fixture for monochromatic LEDs.

Die Cast aluminium body anodized black. Anti-slip, flush, tempered safety glass, white silk-screen printed sealed to the fixture body. Resistant to static loads up to 12KN and dynamic loads up to 20KN. Electronic driver available as an accessory. Precabled with H07RN-F (2x1,5mm²) resin cable to ensure a perfect watertight seal. Pre-set for looping connections with dedicated accessories to be ordered separately. Aluminium insertion boxes with horizontal or vertical development to be ordered separately.



LED	LED COLOUR		CODE
8W	WW 3000K		TS 775 1E2378
8W	NW 4000K		TS 775 1E2379

Electronic driver available as accessory

LED	LED COLOUR		CODE
8W	WW 3000K		TS 775 1E2384
8W	NW 4000K		TS 775 1E2385

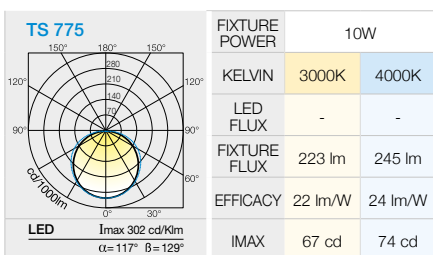
Integrated electronic driver. 220-240V 50/60Hz

All projector's bodies must be completed with insertion box

POWER SUPPLY		CODE
	Electronic driver 24V for 1E2378 and 1E2379	75W 200-240V 225x47x38 mm 1T3586

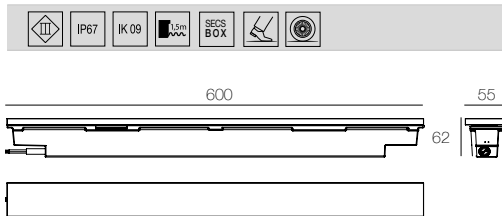
INSERTION BOX	DEPTH	CODE
	Horizontal	1E2383
	Vertical	1E2382

Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows. Complete with internal supports for installations in concrete.



RGB

Inground linear fixture for RGB multi-chip full color LEDs. Die Cast aluminium body anodized black. Anti-slip, flush, tempered safety glass, white silk-screen printed sealed to the fixture body. Resistant to static loads up to 12KN and dynamic loads up to 20KN. To be fed in constant voltage by a PWM technology driver available as accessory. Precabled with H07RN-F (2x1,5mm²) resinated cable to ensure a perfect watertight seal. Pre-set for looping connections with dedicated accessories to be ordered separately. Aluminium insertion boxes with horizontal or vertical development to be ordered separately.



LED RGB	WEIGHT	△	CODE
6W	1,8 Kg	TS 775	1E2381

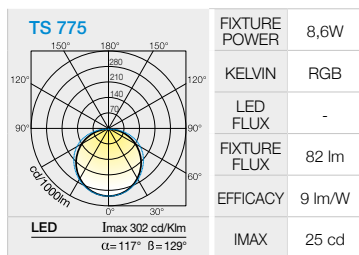
+ All projector's bodies must be completed with insertion box

- To feed the fixture a SECS driver is needed: it works as universal power supply for RGB LED fixtures, pre-set chromatic sequences performing unit and DMX interface for external controllers.
 - The driver provides the fixtures with the "Easy-Run-Menu" function, for the automatic execution of 16 different pre-set lighting scenes (8 static + 8 dynamic).
 - To be fed in constant voltage 24VDC by SECS 75 or by an equivalent driver. Each SECS 75 unit can drive simultaneously up to 12 MINI MERCURE.
 - Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and speed.
- For control systems technical features see page 702

ACCESSORIES	CODE
Driver Secs 75	IP67 1E1401
Driver Secs 75	IP20 1T1827
my-SCENARIO SHOW STORE - USB interface	1T1898
Driver Secs 36	IP20 1T2245
Standard DMX cable	1T1932

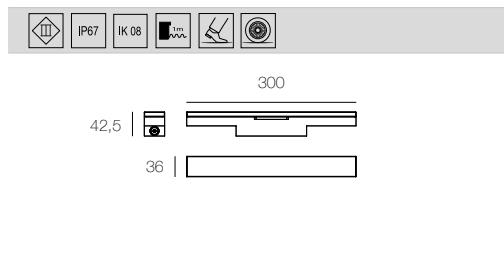
INSERTION BOX	DEPTH	CODE
	Horizontal	1E2383
	Vertical	1E2382

Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows. Complete with internal supports for installations in concrete.



MICROMERCURE

Inground linear fixture for white LED sources. Aluminium body obtained from a single aluminium piece. Double layer safety glass 8mm thick with outer polish finish, inner transparent finish and opaque ground side ends. Satin aluminium symmetrical reflector. To be completed with insertion box. Suitable for in-line installation. Remote electronic power supply available as an accessory. Precabled with double H07RN-F (2x1,5mm²) resinated cable to ensure a perfect watertight seal. 12V DC

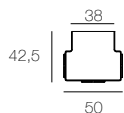


LED	LED COLOUR	WEIGHT	T	△	CODE
3W	ww 3000K	0,6 Kg	<40°C	EV 326	1E2267
3W	nw 4000K	0,6 Kg	<40°C	EV 326	1E2268

Electronic driver 12VDC available as accessory.

+ All projector's bodies must be completed with insertion box

INSERTION BOX



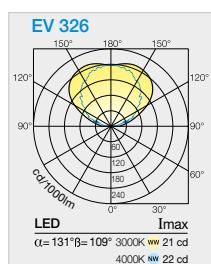
Galvanized metal insertion box. Removable end caps for in-line installation. [1E2269](#)

REMOTE POWER SUPPLY



Electronic power supply for white LED 220/240VAC-12VDC

20W	145x19x55 mm	up to 6 fixture connection in parallel	IP20	T1585
70W	248x50x60 mm	up to 22 fixture connection in parallel	IP65	T1586



MERCURE ACCESSORIES

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68



Glass removal tool

1E0388

(Ø 122mm) for raise the glass.

PROJECTORS

OUT

DO

OR

DART

PROFESSIONAL ADJUSTABLE LED PROJECTOR

THE RANGE

Small e Medium sized models, with a "compact and essential" design that may be integrated in any architectural environment: from the illumination of large surfaces to detailed accent lighting.



MANUFACTURING QUALITY

Distinguished by a high degree of protection, DART is a projector built with extremely resistant and enduring materials (anodised and painted die cast aluminium), in order to guarantee its lighting and mechanical performances over time, even under extreme working conditions.



VERSATILE INSTALLATIONS

Several accessories having a coordinate design with the product, allow for the installation of single projectors on stake or surface-mounted, or multiple projectors on poles. A scale moulded on the body and the possibility to use a laser holder accessory, provide to lighting designers a high degree of precision during aiming procedures.



OPTICS

As an ideal instrument for Lighting Design, DART is extremely versatile with the option to choose between a number of models, having different flux and optic characteristics. Methacrylate lenses, precision reflectors in specular anodized aluminium with convex faceting or the innovative hybrid optics for symmetric beam versions; pure aluminium high reflectance reflectors for wall washer versions. A complete range of optical accessories are available.

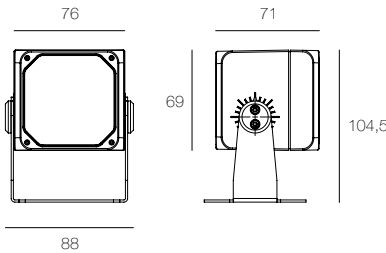
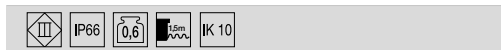


DART

SMALL

Adjustable professional projector for LED sources.

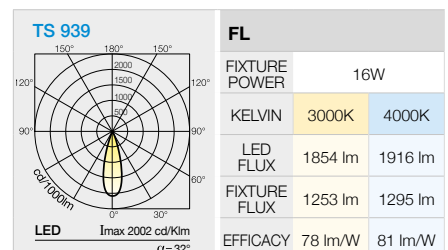
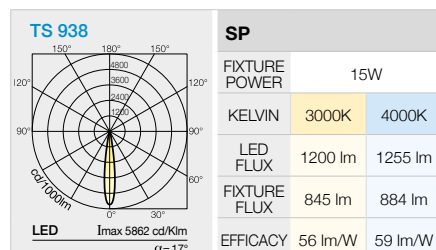
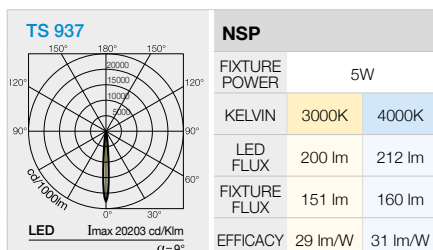
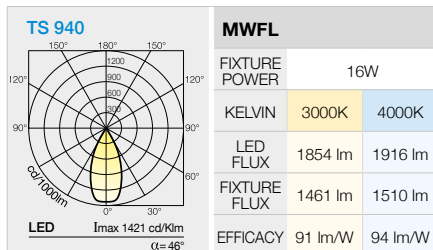
Painted die-cast anodised aluminium body and painted stainless steel mounting bracket. High emission warm white LED sources (3000K) or neutral white (4000K) with Ra84. Equipped with methacrylate lenses for the NSP, SP and FL versions or convex faceted precision optics in high specularly anodised aluminium for the MWFL version. Mounting bracket to adjust the aiming angle up to $\pm 45^\circ$ horizontally and $+90^\circ/-45^\circ$ vertically. To be completed with an electronic power supply, dimmable DALI and 1-10V available as an accessory. Pre cabled with a 1.5m H05RN-F (2x1mm²) cable.



LED	BEAM	LED COLOUR	CURRENT	OPTIC	Δ	CODE
3W	NSP	WW 3000K	700/900mA	lenses	TS 937	1E2986
3W	NSP	NW 4000K	700/900mA	lenses	TS 937	1E2987
13W	SP	WW 3000K	400mA	lenses	TS 938	1E2988
13W	SP	NW 4000K	400mA	lenses	TS 938	1E2989
14W	FL	WW 3000K	400mA	lenses	TS 939	1E2990
14W	FL	NW 4000K	400mA	lenses	TS 939	1E2991
14W	MWFL	WW 3000K	400mA	faceted	TS 940	1E2992
14W	MWFL	NW 4000K	400mA	faceted	TS 940	1E2993

POWER SUPPLY

Electronic	220-240V 400mA	IP20	1T4215EL
1-10V	220-240V 400mA	IP20	1T4215D
DALI	220-240V 400mA	IP20	1T4215DA
Electronic	220-240V 900mA	IP20	1T5295EL
1-10V	220-240V 900mA	IP20	1T5295D
DALI	220-240V 700mA	IP20	1T5295DA
Electronic	220-240V 400mA	IP68	1E3033EL
1-10V	220-240V 400mA	IP68	1E3033D
DALI	220-240V 400mA	IP68	1E3033DA
Electronic	220-240V 900mA	IP68	1E3034EL
1-10V	220-240V 900mA	IP68	1E3034D
DALI	220-240V 700mA	IP68	1E3034DA



OPTIC ACCESSORIES



Chromatic filters

To be completed with dedicated holder ring.

Red	1E3006
Green	1E3007
Blue	1E3008
Yellow	1E3009
Magenta	1E3010



"Blade of light" filter

To be completed with dedicated holder ring.

1E3012



Holder ring

1E3011



Asymmetric screen

1E3013



Anti-glare louvre

1E3014

INSTALLATION



Plate for fitting rotation.

1E3015



Earthspike

1E3016

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

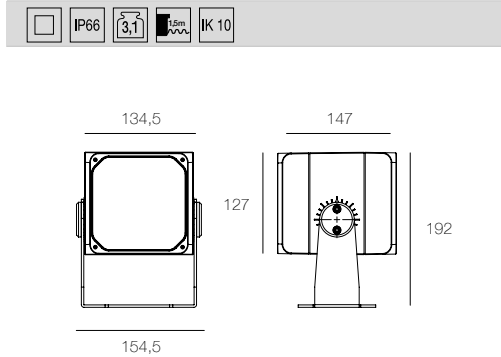
IP68

DART

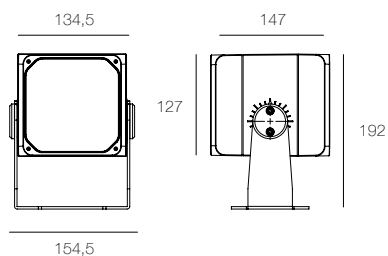
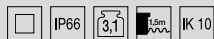
MEDIUM

Adjustable professional projector for LED sources.

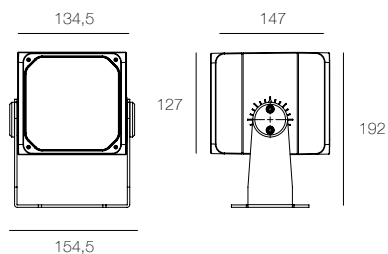
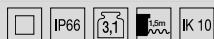
Painted die-cast anodised aluminium body and painted stainless steel mounting bracket. High emission warm white LED sources (3000K) or neutral white (4000K) with Ra84. Equipped with methacrylate lenses for the NSP version, with a hybrid optic system for the SP and FL versions or convex faceted precision optics in high specularly anodised aluminium for the MWFL and WFL versions. Wall washer version with high luminous efficiency pure aluminium reflector. Mounting bracket to adjust the aiming angle up to $\pm 45^\circ$ horizontally and $+90^\circ/-45^\circ$ vertically. Complete with an electronic power supply, dimmable DALI and 1/10 available as an accessory. Pre cabled with a 1.5m H05RN-F (3G1,5mm²) cable.



LED	BEAM	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
16W	NSP	ww 3000K	electronic	lenses	TS 941	1E2994EL
16W	NSP	nw 4000K	electronic	lenses	TS 941	1E2995EL
34W	SP	ww 3000K	electronic	ibrid	TS 942	1E2996EL
34W	SP	nw 4000K	electronic	ibrid	TS 942	1E2997EL
34W	FL	ww 3000K	electronic	ibrid	TS 943	1E2998EL
34W	FL	nw 4000K	electronic	ibrid	TS 943	1E2999EL
33W	MWFL	ww 3000K	electronic	facetted	TS 944	1E3000EL
33W	MWFL	nw 4000K	electronic	facetted	TS 944	1E3001EL
33W	WFL	ww 3000K	electronic	facetted	TS 945	1E3002EL
33W	WFL	nw 4000K	electronic	facetted	TS 945	1E3003EL
33W	ASYM	ww 3000K	electronic	facetted	TS 946	1E3004EL
33W	ASYM	nw 4000K	electronic	facetted	TS 946	1E3005EL



LED	BEAM	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
16W	NSP	WW 3000K	DALI	lenses	TS 941	1E2994DA
16W	NSP	NW 4000K	DALI	lenses	TS 941	1E2995DA
34W	SP	WW 3000K	DALI	ibrid	TS 942	1E2996DA
34W	SP	NW 4000K	DALI	ibrid	TS 942	1E2997DA
34W	FL	WW 3000K	DALI	ibrid	TS 943	1E2998DA
34W	FL	NW 4000K	DALI	ibrid	TS 943	1E2999DA
33W	MWFL	WW 3000K	DALI	facetted	TS 944	1E3000DA
33W	MWFL	NW 4000K	DALI	facetted	TS 944	1E3001DA
33W	WFL	WW 3000K	DALI	facetted	TS 945	1E3002DA
33W	WFL	NW 4000K	DALI	facetted	TS 945	1E3003DA
33W	ASYM	WW 3000K	DALI	facetted	TS 946	1E3004DA
33W	ASYM	NW 4000K	DALI	facetted	TS 946	1E3005DA



LED	BEAM	LED COLOUR	POWER SUPPLY	OPTIC	△	CODE
16W	NSP	WW 3000K	1-10V	lenses	TS 941	1E2994D
16W	NSP	NW 4000K	1-10V	lenses	TS 941	1E2995D
34W	SP	WW 3000K	1-10V	ibrid	TS 942	1E2996D
34W	SP	NW 4000K	1-10V	ibrid	TS 942	1E2997D
34W	FL	WW 3000K	1-10V	ibrid	TS 943	1E2998D
34W	FL	NW 4000K	1-10V	ibrid	TS 943	1E2999D
33W	MWFL	WW 3000K	1-10V	facetted	TS 944	1E3000D
33W	MWFL	NW 4000K	1-10V	facetted	TS 944	1E3001D
33W	WFL	WW 3000K	1-10V	facetted	TS 945	1E3002D
33W	WFL	NW 4000K	1-10V	facetted	TS 945	1E3003D
33W	ASYM	WW 3000K	1-10V	facetted	TS 946	1E3004D
33W	ASYM	NW 4000K	1-10V	facetted	TS 946	1E3005D

DART

OPTIC ACCESSORIES



Chromatic filters

To be completed with dedicated holder ring.

Red	1E3017
Green	1E3018
Blue	1E3019
Yellow	1E3020
Magenta	1E3021



"Blade of light" filter

To be completed with dedicated holder ring.

[1E3023](#)



Holder ring

[1E3022](#)



Asymmetric screen

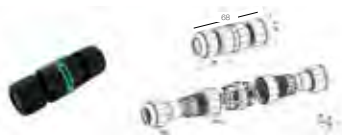
[1E3024](#)



Anti-glare louvre

[1E3025](#)

POWER SUPPLY



Connector

Cable diameter range from 7 to 12 mm.

[1E2493](#)

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

[1E2494](#)

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68

INSTALLATION



Plate for fitting rotation.

1E3026



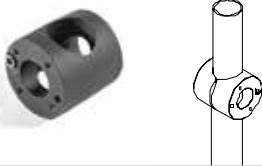
Earthspike

1E3028



LPS - Pointing system provided with laser and fixing bracket

1E3029



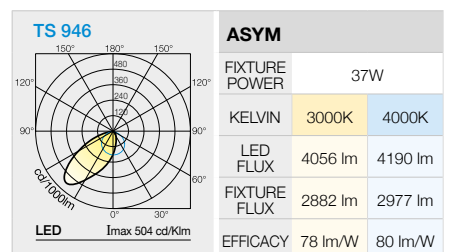
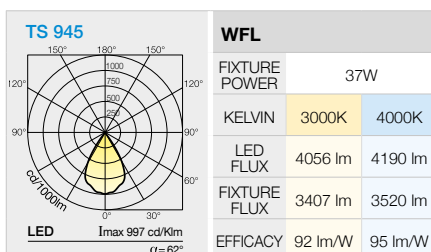
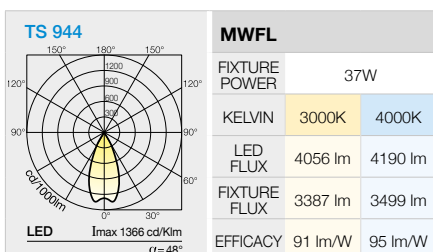
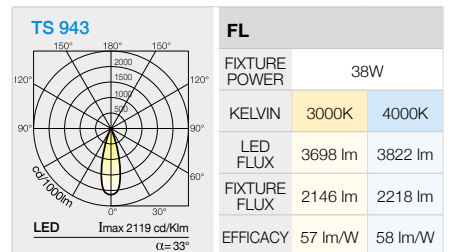
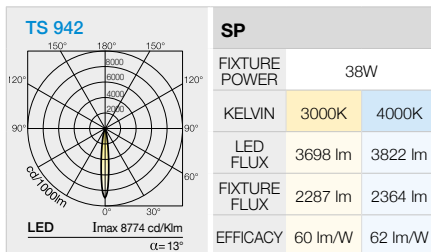
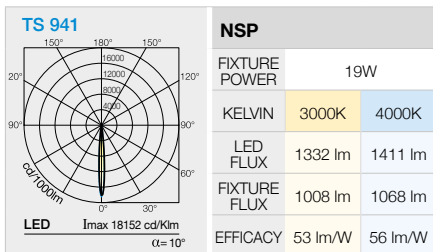
Pole bracket
Ø 60mm (+/- 2 mm).

1E2825



Pole multiple mounting system.
To be completed with 1E2825.
Max 4 projectors.

1E3027



PYROS

PROFESSIONAL PROJECTOR FOR DISCHARGE, WHITE AND CTC LED



OPTIMAL COMBINATIONS

PYROS is the perfect choice for every architectural context. It is ideal for illuminating façades, trees, green spaces - anywhere precision must be combined with excellent performance. An innovative LED version, equipped with a sophisticated optical system for high efficiency light sources, is the latest addition to the already extensive PYROS range. PYROS offers a technologically advanced response to every project requirement, helping to create ever new effective and dynamic lighting effects.



FREEDOM OF INSTALLATION

Using a double joint mounted to a round slotted base, PYROS bracket allows adjustment of the fixture body in any direction and, if necessary, to move it away from mounting surface to prevent overhanging elements from obstructing the light beam.



LED VERSION

The high performance PYROS LED version with its LED source and elliptical faceted reflector greatly improves performance to create defined, precise beams of light with separate Spot Flood beam apertures.

RGBW version available on request.

QUICK AND EASY RELAMPING

Source replacement is very simple. No need to remove accessories or release the aiming locking device. No need for tools, to access the optic housing just manually release the retaining clip and the glass holder ring.



SECURE CONNECTION

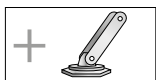
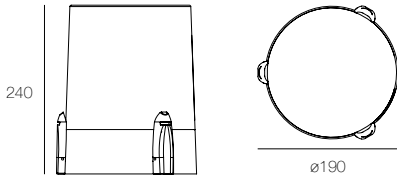
A special bracket houses the IP68 connection system. The feeding cable is thereby hidden from view and protected from accidental strains.

PYROS

LED

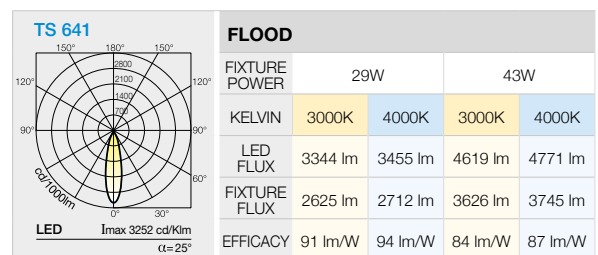
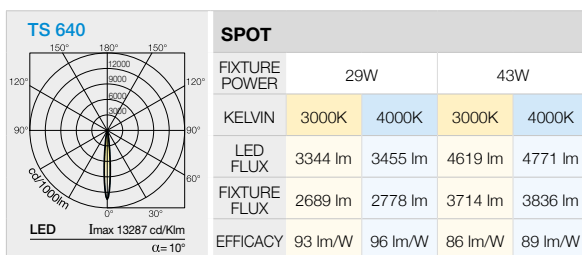
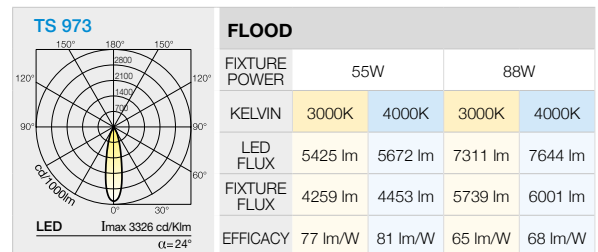
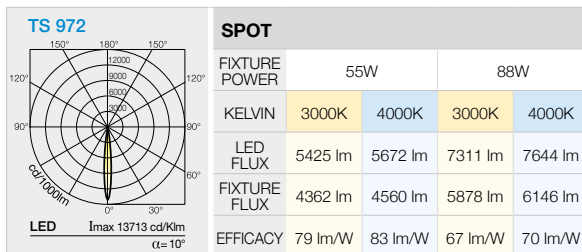
Professional LED projector. Painted die-cast anodised aluminium body, brackets and joints. Extra clear tempered safety glass, 20 joule shock resistant. Facetted precision optic in super pure aluminium with high luminous efficiency. Warm white or neutral white high output LED. All projectors' bodies must be completed with dedicated mounting bracket equipped with graduated metal ring on the bracket to adjust the fitting 360° on the horizontal axis and 180° on the vertical axis. Mechanical locking system to ensure aiming stability. Integrated electronic power supply. Pre-cabled with H07RN-F (2x1,5mm²) resinated for water tight.

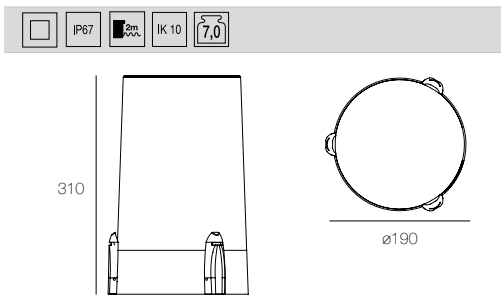
220-240V – 50/60Hz









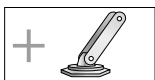
All projector's bodies must be completed with mounting bracket

LED	OPTIC	LED COLOUR	△	CODE
25W	SP	WW 3000K	TS 640	1E2779
25W	SP	NW 4000K	TS 640	1E2780
25W	FL	WW 3000K	TS 641	1E2781
25W	FL	NW 4000K	TS 641	1E2782
39W	SP	WW 3000K	TS 640	1E2783
39W	SP	NW 4000K	TS 640	1E2784
39W	FL	WW 3000K	TS 641	1E2785
39W	FL	NW 4000K	TS 641	1E2786
50W	SP	WW 3000K	TS 972	1E2978
50W	SP	NW 4000K	TS 972	1E2979
50W	FL	WW 3000K	TS 973	1E2980
50W	FL	NW 4000K	TS 973	1E2981





LED 	OPTIC	LED COLOUR		CODE
80W	SP	 3000K	TS 972	1E2982
80W	SP	 4000K	TS 972	1E2983
80W	FL	 3000K	TS 973	1E2984
80W	FL	 4000K	TS 973	1E2985



All projector's bodies must be completed with mounting bracket

MOUNTING BRACKETS

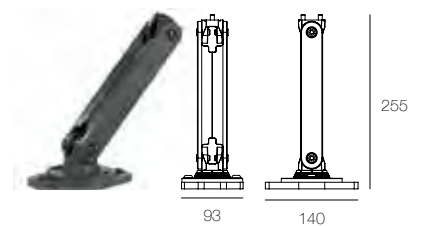
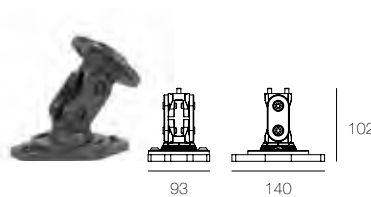
Die cast aluminium bracket with double joint to allow 180° rotation on the vertical plane. Graduated metal ring located at the base of the bracket to allow 360° rotation on the horizontal plane. Mechanical locking system to ensure aiming stability. Available in two different lengths.

short

[1E2806](#)

long

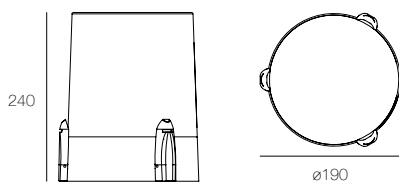
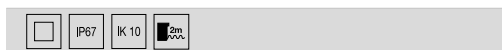
[1E2807](#)



PYROS

Professional projector for discharge lamps.

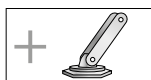
Painted die-cast anodised aluminium body, brackets and joints. Extraclear tempered safety glass, 20 joule shock resistant. Specular anodised aluminium precision optics with different finishing depending on the beam width. Anti-glare steel spilling inside the reflector. All projector's bodies must be completed with mounting bracket provided with graduated metal ring to adjust the fitting to 360° on the horizontal plane and to 180° on the vertical one. Mechanical locking system to ensure aiming stability. Magnetic power supply housed in the fixture body.



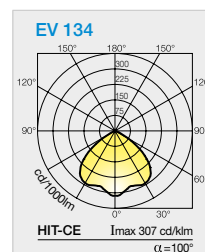
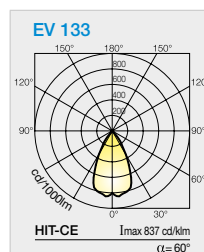
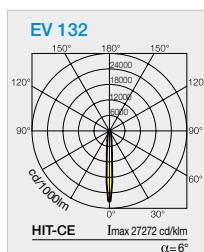
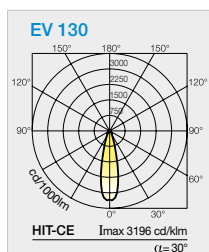
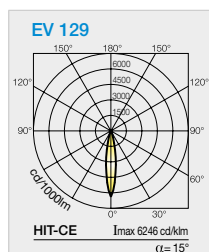
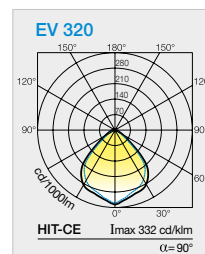
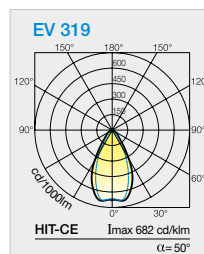
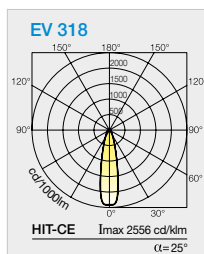
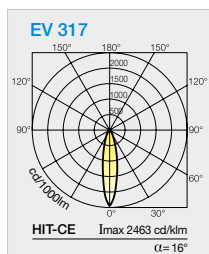
HIT-CE	OPTIC	WEIGHT	△	CODE
G12	35W NSP	6,5 Kg	EV 132	1E2787
	35W SP	6,5 Kg	EV 129	1E2788
	35W FL	6,5 Kg	EV 130	1E2789
	35W WFL	6,5 Kg	EV 133	1E2790
	35W VWFL	6,5 Kg	EV 134	1E2791
	70W NSP	6,0 Kg	EV 132	1E2792
	70W SP	6,0 Kg	EV 129	1E2793
	70W FL	6,0 Kg	EV 130	1E2794
	70W WFL	6,0 Kg	EV 133	1E2795
	70W VWFL	6,0 Kg	EV 134	1E2796

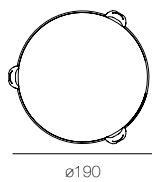
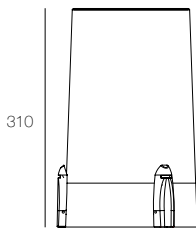
Precabled with H07RN-F (2x1,5mm²) resin cable. Magnetic power supply integrated.

230V 50Hz



All projector's bodies must be completed with mounting bracket





HIT-CE	OPTIC	WEIGHT	△	CODE
G12 150W	NSP	7,5 Kg	EV 132	1E2797
150W	SP	7,5 Kg	EV 317	1E2798
150W	FL	7,5 Kg	EV 318	1E2799
150W	WFL	7,5 Kg	EV 319	1E2800
150W	VWFL	7,5 Kg	EV 320	1E2801

Precabled with H07RN-F (2x1,5mm²) resinat cable.
Magnetic power supply integrated.

230V 50Hz



All projector's bodies must be completed with mounting bracket

MOUNTING BRACKETS

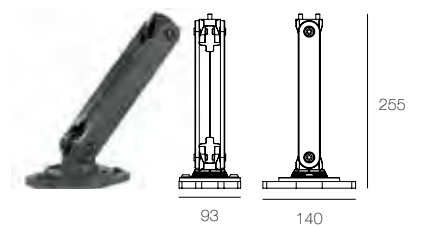
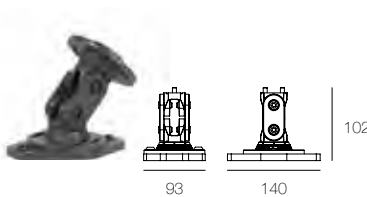
Die cast aluminium bracket with double joint to allow 180° rotation on the vertical plane. Graduated metal ring located at the base of the bracket to allow 360° rotation on the horizontal plane. Mechanical locking system to ensure aiming stability. Available in two different lengths.

short

[1E2806](#)

long

[1E2807](#)

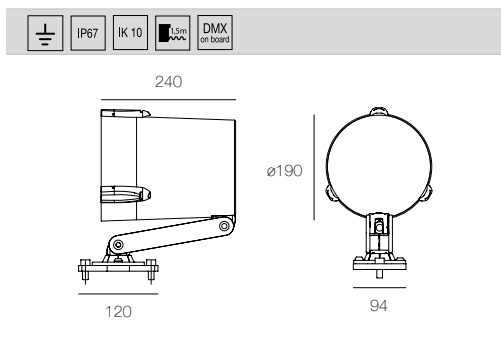


PYROS

RGB & CTC

Professional projector for CTC LED. Painted die-cast anodised aluminium body, brackets and joints. Extraclear tempered safety glass, 20 joule shock resistant. LED equipped with spot or flood lenses. Complete with die cast aluminium fixing bracket with graduated ring allowing 360° adjustment on the horizontal plane and 180° on the vertical one. Aiming locking system. Integrated power supply. Precabled with 1,5m multifunction cable (power supply and DMX). Resinated cable for water tight.

100-240 50/60Hz



LED CTC	LED	BRACKET	OPTIC	WEIGHT	△	CODE
40W	15 LED	short	SP	4,5 Kg	EV 291	1E2812
40W	15 LED	long	SP	5,0 Kg	EV 291	1E2813
40W	15 LED	short	FL	4,5 Kg	EV 292	1E2814
40W	15 LED	long	FL	5,0 Kg	EV 292	1E2815

ACCESSORIES	CODE
my-SCENARIO Show store - USB interface	1T1898
Multifunction cable (power supply and DMX) for outdoor use	1E1715
Standard DMX cable	1T1932

- DMX

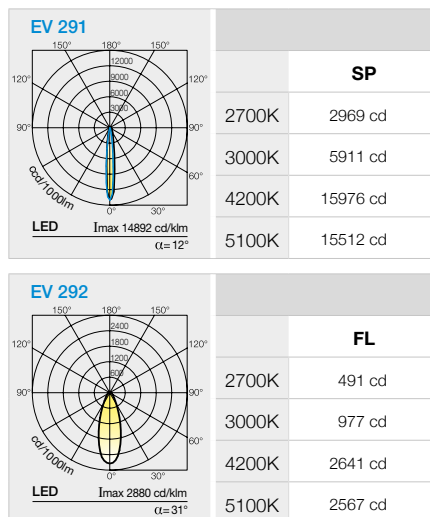
Fixture equipped with integrated power supply and DMX interface. To be programmed through DMX control unit or through any other DMX 512 controller. Internal dip-switches to select the DMX digital address.

- CTC - ATMOSPHERE TUNE

The fixture is able to perform 10 different pre-set scenes with 10 pre-set colour temperatures without the need of any external controller. It is also possible to make a master/slave configuration with other fixtures, using a DMX connection.

- Through control systems such as myScenario, it is possible to create "customized" dynamic sequences working on the colour temperature in a range between 2700K and 5700K, on the intensity and on the playback speed. Technical features of control systems see page 702.

- Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and on the playback speed according to specific needs. Technical features of control systems see page 702.



ACCESSORIES

See page 600



Gabriela Mistral Square - Santiago, Chile

PYROS ACCESSORIES

The accessories can be used simultaneously and are fastened on the outside of the fixture using a system of stackable slots. It is thus possible to stack several accessories and maintain them in a fixed position during installation or relamping without having to open the optical units.

OPTIC ACCESSORIES



Chromatic filters



Red	1E2816
Green	1E2817
Blue	1E2818
Yellow	1E2819

Complete with ring

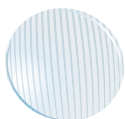


Frosted glass



1E2820

Complete with ring

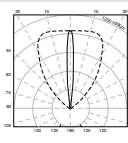
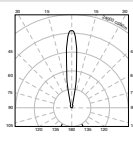
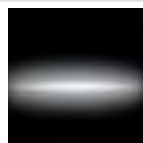


"Blade of light" filter



1E2821

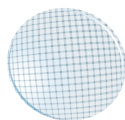
"Blade of light" effect refractive filter. The special linear incisions modify the light beam, enlarging it in a perpendicular direction to the incisions. With very narrow beams it is possible to obtain precise "blades" of light for special effects.
Complete with ring.



LIGHT BLADE EFFECT

WITHOUT FILTER

WITH FILTER

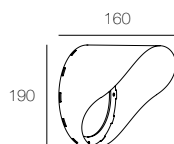


"Soft beam" filter



1E2822

"Soft beam" effect refractive filter. The special linear incisions reduce the variance between the primary and secondary light beam, making it more uniform.
Complete with ring.

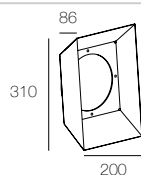


Adjustable stainless steel asymmetric screen



1E2823

Adjustable stainless steel asymmetric screen, 8 positions, with 2 mounting screws. Permits the shielding of the light beam with wide beam optics.



Stainless steel barn door



1E2824

Stainless steel barn door with fixed flaps, 4 positions adjustment, with 2 mounting screws.

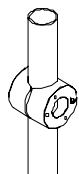


Anti-glare louver

1E1180

Anti-glare louver. Black painted metal honeycomb structure. Designed to be housed inside the fixture.
For version with HIT-CE

MOUNTING SYSTEM



Pole bracket

1E2825

for pole diameter 60mm (+/- 2mm).



Pole head

1E2826

for pole external diameter 60mm (+/- 2mm), internal diameter > 40mm.

POWER SUPPLY



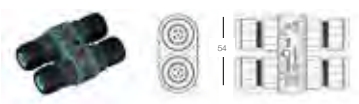
Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm².

IP68



NANO PYROS

COMPACT AND PRECISE

Characterised by a compact design and high-precision optics, NANO PYROS is a versatile and discrete projector. Its very small size makes it the ideal solution for 'difficult' architectural contexts where utmost discretion is required, without sacrificing lighting quality and performance.



LED VERSION

NANO PYROS LED version with its LED source and elliptical faceted reflector for even more precise and defined light beams.

MAXIMUM ADJUSTABILITY FOR MANY INSTALLATIONS

NANO PYROS can be used for a wide variety of applications and maximum orientability is one of its undisputed pluses. The halogen versions offer 360° orientation on the horizontal plane and 180° on the vertical one, while the LED and metal halide versions offer $\pm 110^\circ$ on the horizontal plane and 135° on the vertical one.





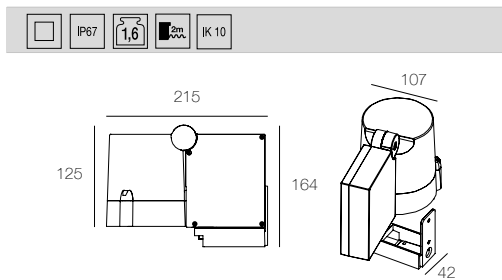
V2L2 MILESTONE - Vienna, Austria. Project: Weichenberger

NANO PYROS

LED

Professional white LED projector. Anodised and painted die cast aluminium body and joints. Extra clear tempered safety glass, 20 joule shock resistant. Highly reflective metallic polycarbonate optic or hybrid optic (anodized aluminium reflector and lens system in optical glass). Fitted with COB LED sources. Body 135° adjustable on the vertical plane with aiming locking system. Wall mounting system on jointed bracket allowing ±110° adjustment of the fixture on the horizontal plane. Integrated electronic power supply housed in the fixture base. Precabled with 2m cable (2x1,5mm² H07RN-F). Resinated cable for water tight.

220-240V 50/60Hz



LED	LED COLOUR	EMISSION	OPTIC	△	CODE
21W	WW 3000K	SP	ibrid	TS 649	1E2827
21W	NW 4000K	SP	ibrid	TS 649	1E2828
21W	WW 3000K	FL	ibrid	TS 650	1E2829
21W	NW 4000K	FL	ibrid	TS 650	1E2830
21W	WW 3000K	MWFL	facetted	TS 651	1E2831
21W	NW 4000K	MWFL	facetted	TS 651	1E2832

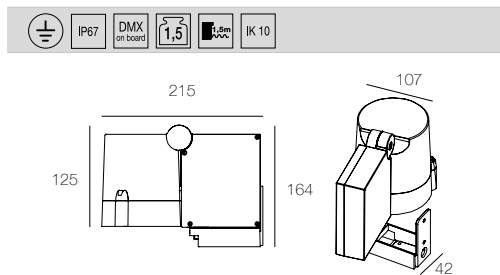
ACCESSORIES

See page 608

TS 649	SPOT	TS 650	FLOOD	TS 651	MEDIUM WIDE FLOOD																																													
	<table border="1"> <tr> <td>FIXTURE POWER</td> <td colspan="2">25W</td> </tr> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2693 lm</td> <td>2784 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1612 lm</td> <td>1666 lm</td> </tr> <tr> <td>EFFICACY</td> <td>65 lm/W</td> <td>67 lm/W</td> </tr> </table>	FIXTURE POWER	25W		KELVIN	3000K	4000K	LED FLUX	2693 lm	2784 lm	FIXTURE FLUX	1612 lm	1666 lm	EFFICACY	65 lm/W	67 lm/W		<table border="1"> <tr> <td>FIXTURE POWER</td> <td colspan="2">25W</td> </tr> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2693 lm</td> <td>2784 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>1509 lm</td> <td>1560 lm</td> </tr> <tr> <td>EFFICACY</td> <td>60 lm/W</td> <td>62 lm/W</td> </tr> </table>	FIXTURE POWER	25W		KELVIN	3000K	4000K	LED FLUX	2693 lm	2784 lm	FIXTURE FLUX	1509 lm	1560 lm	EFFICACY	60 lm/W	62 lm/W		<table border="1"> <tr> <td>FIXTURE POWER</td> <td colspan="2">25W</td> </tr> <tr> <td>KELVIN</td> <td>3000K</td> <td>4000K</td> </tr> <tr> <td>LED FLUX</td> <td>2885 lm</td> <td>2981 lm</td> </tr> <tr> <td>FIXTURE FLUX</td> <td>2363 lm</td> <td>2441 lm</td> </tr> <tr> <td>EFFICACY</td> <td>95 lm/W</td> <td>98 lm/W</td> </tr> </table>	FIXTURE POWER	25W		KELVIN	3000K	4000K	LED FLUX	2885 lm	2981 lm	FIXTURE FLUX	2363 lm	2441 lm	EFFICACY	95 lm/W	98 lm/W
FIXTURE POWER	25W																																																	
KELVIN	3000K	4000K																																																
LED FLUX	2693 lm	2784 lm																																																
FIXTURE FLUX	1612 lm	1666 lm																																																
EFFICACY	65 lm/W	67 lm/W																																																
FIXTURE POWER	25W																																																	
KELVIN	3000K	4000K																																																
LED FLUX	2693 lm	2784 lm																																																
FIXTURE FLUX	1509 lm	1560 lm																																																
EFFICACY	60 lm/W	62 lm/W																																																
FIXTURE POWER	25W																																																	
KELVIN	3000K	4000K																																																
LED FLUX	2885 lm	2981 lm																																																
FIXTURE FLUX	2363 lm	2441 lm																																																
EFFICACY	95 lm/W	98 lm/W																																																

RGB

Professional projector for multichip high intensity RGB LED. Anodised and painted die cast aluminium body and joints. Extra clear tempered safety glass, 20 joule shock resistant. Working temperature -20°C / +50°C. Fitted with full-color RGB LED and lenticular optics. Optical housing 135° adjustable on the vertical plane with aiming locking system. Jointed wall mounting system allowing ±110° adjustment of the fixture on the horizontal plane. Integrated electronic driver. Controlled by digital DMX512 signal. Internal dip-switches to select operation mode and DMX address. Precabled with 1,5m multifunction cable (power supply and DMX) for outdoor use. Resinated cable for water tight.
220-240V 50/60Hz



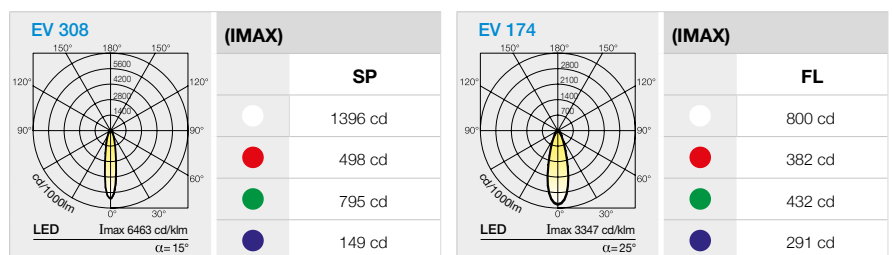
LED RGB	LED MULTICHIP	OPTIC		CODE
25W	4 LED	SP	△	1E2833
25W	5 LED	FL	△	1E2834

- DMX**
 Fixture equipped with integrated power supply and DMX interface. To be programmed through DMX control unit or through any other DMX 512 controller. Internal dip-switches to select the DMX digital address.
- EASY RUN MENU**
 The fixture is able to perform 16 different pre-set scenes without the need of any external controller (8 sequences with fixed colours, 8 dynamic chromatic sequences with five different performance speed. It is also possible to make a master/slave configuration with other fixtures, using a DMX connection.
- Through control systems such as myScenario, it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and on the playback speed according to specific needs.
 Technical features of control systems see page 702.

ACCESSORIES	CODE
my-SCENARIO Show store - USB interface	1T1898
Multifunction cable (power supply and DMX) for outdoor use	1E1715
Standard DMX cable	1T1932

ACCESSORIES

See page 608



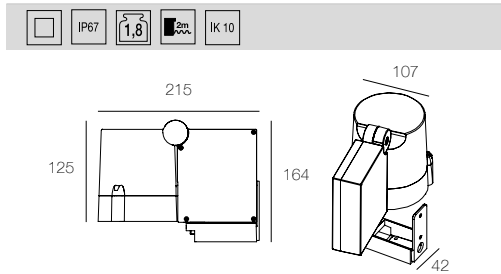
NANO PYROS

DISCHARGE

Professional projector for metal halide lamps.

Professional projector for metal halide lamps. Die cast aluminium body and joints. Extra clear tempered safety glass, 20 joule shock resistant. Specular anodised aluminium precision optics with different finishing depending on the beam width. Anti-glare steel spill-ring inside the reflector. Optical housing 140° adjustable on the vertical plane with mechanical aiming locking system. Wall mounting system on jointed bracket allowing 360° adjustment of the fixture on the horizontal plane. Electronic ballast housed in the fixture base. Precabled with H07RN-F (2x1,5mm²) resinated cable to ensure a perfect watertight seal.

220-240V 50/60Hz

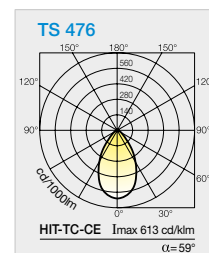
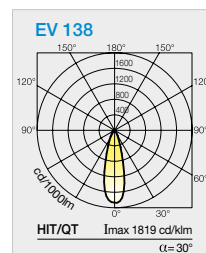
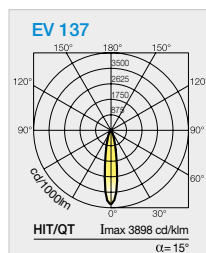


HIT-TC-CE	OPTIC	△	CODE
PGJ5	20W	SP	EV 137 1E2835
	20W	FL	EV 138 1E2836
	20W	WLF	TS 476 1E2837

HIT-TC-CE	OPTIC	△	CODE
G8.5	35W	SP	EV 137 1E2838
	35W	FL	EV 138 1E2839
	35W	WLF	TS 476 1E2840

ACCESSORIES

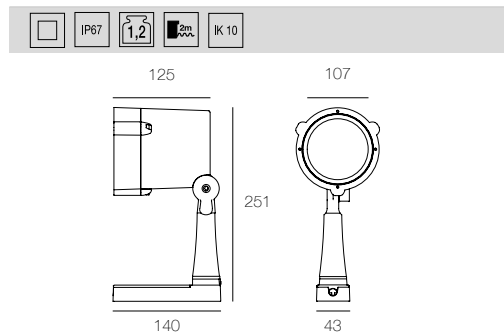
See page 608





HALOGEN

Professional projector for halogen lamps. Die cast aluminium body and joints. Extra clear tempered safety glass, 20 joule shock resistant. Optical housing 180° adjustable on the vertical plane with aiming locking system. Jointed mounting bracket allowing 360° adjustment of the fixture on the horizontal plane. Electronic transformer housed in the fixture's body. Precabled with H07RN-F (2x1,5mm²) resinated cable to ensure a perfect watertight seal.

220-240V 50/60Hz



QR-CB 51 	OPTIC		CODE
GU5.3	max 50W	-	1E2844
Light distribution and intensity depend on wattage and light beam of selected lamp.			

ACCESSORIES

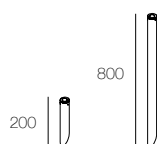
See page 608

NANO PYROS ACCESSORIES

NANO PYROS accessories can be used simultaneously and are mounted external to the fixture body. Installation, maintenance and relamping operations can be carried out without opening the optic housing and without changing the position to already mounted accessories.



INSTALLATION



Earthspike

L=200 mm

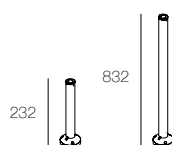
0,5

1E2845

L=800 mm

1,8

1E2846



Picket with base for surface mounting

Short peg with base for surface mounting

0,7

1E2847

Long peg with base for surface mounting

2,0

1E2848

OPTIC ACCESSORIES

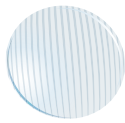


Chromatic filters

0,4

Red	1E2849
Green	1E2850
Blue	1E2851
Yellow	1E2852

Complete with ring.

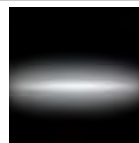


"Blade of light" filter

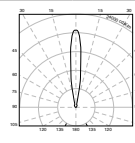
0,2

[1E2853](#)

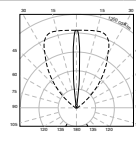
"Blade of light" effect refractive filter. The special linear incisions modify the light beam, enlarging it in a perpendicular direction to the incisions. With very narrow beams it is possible to obtain precise "blades" of light.
Complete with ring.



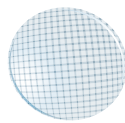
LIGHT BLADE EFFECT



WITHOUT FILTER



WITH FILTER

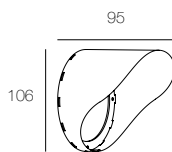


"Soft beam" filter

0,2

[1E2854](#)

"Soft beam" effect refractive filter. The special linear incisions reduce the variance between the primary and secondary light beam, making it more uniform.
Complete with ring.

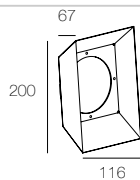


Asymmetric screen

0,7

[1E2855](#)

Adjustable stainless steel asymmetric screen, 8 positions, with 2 mounting screws. Permits the shielding of the light beam with wide beam optics.



Stainless steel barn door

0,4

[1E2856](#)

Stainless steel barn door with fixed flaps, 4 positions adjustment, with 2 mounting screws.



Honeycomb anti-glare louvre

[1E1352](#)

Anti-glare louvre. Black painted metal honeycomb structure. Designed to be housed inside the fixture.



Honeycomb anti-glare louvre for LED version

[1E2766](#)

Anti-glare louvre. Black painted metal honeycomb structure. Designed to be housed inside the fixture.

PICO PYROS

COMPACT PROJECTOR FOR WHITE LED

SMALL AND DISCRETE

Extremely compact dimensions and a linear design make PICO PYROS an impressive design tool able to integrate discreetly and with the minimum impact in any architectural context, even the most minimal one. A special nut enables the optic body to rotate on the driver box which also acts as mounting bracket.



HIGH EMISSION LED

A single 8W high-emission LED is used in the white light LED version. To maximise the fixture working life, heat is dissipated by special finning, both a functional and stylish design feature.



PRECISION OPTICS

Spot (SP) and Flood (FL) white light versions boast sophisticated micro-faceted optics able to optimise the 8W LED emission and performance in order to match those of traditional light sources of higher wattage.



MAXIMUM ORIENTABILITY

PICO PYROS optic housing can be rotated 180° on the jointed hinge that secures it to the driver box, which in turn can be rotated $\pm 45^\circ$ on the bracket.

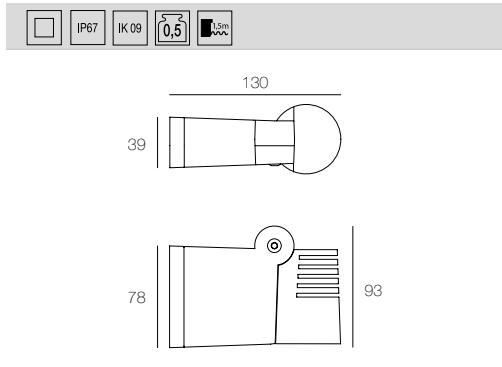


Gabriela Mistral Square - Santiago, Chile

PICO PYROS

LED

Compact projector for high intensity LED. Die cast aluminium body and joints. Finned optical housing for heat dissipation. 180° adjustable on the vertical plane with aiming locking system, +/- 45 ° adjustable on the horizontal plane through mounting bracket. High emission LED in warm white or neutral white emission complete with spot or flood microfacetted aluminium optics. Complete with wall mounting bracket. Integrated electronic driver. Precabled with 1,5m H07RN-F cable. **220-240V 50/60Hz**



LED	LED COLOUR	OPTIC	Δ	CODE
8W	WW 3000K	SP	EV 218	1E2857
8W	NW 4000K	SP	EV 218	1E2859
8W	WW 3000K	FL	EV 216	1E2858
8W	NW 4000K	FL	EV 216	1E2860

EV 218		SPOT		EV 216		FLOOD	
<p>LED I_{max} 4497 cd/Klm $\alpha=18^\circ$</p>	FIXTURE POWER	11W		<p>LED I_{max} 1308 cd/Klm $\alpha=36^\circ$</p>	FIXTURE POWER	11W	
	KELVIN	3000K	4000K		KELVIN	3000K	4000K
	LED FLUX	501 lm	531 lm		LED FLUX	501 lm	531 lm
	FIXTURE FLUX	408 lm	433 lm		FIXTURE FLUX	361 lm	383 lm
	EFFICACY	38 lm/W	41 lm/W		EFFICACY	34 lm/W	36 lm/W



Gabriela Mistral Square - Santiago, Chile

NEPTUNE

PROFESSIONAL UNDERWATER PROJECTOR IN STAINLESS STEEL FOR HALOGEN LAMPS, WHITE AND RGB LED



VARIETY OF APPLICATIONS

Professional underwater fixtures available in both recessed and projector versions. Made entirely from 316L steel in two different sizes, both equipped with LED or halogen light sources, NEPTUNE is particularly suitable for lighting basins, fountains or areas subject to submersion.



SAFE POWER

To ensure safety of power supply, NEPTUNE projectors are provided with a cable gland compatible with AD8 H07RN-F cable, specific for underwater installation.



PERMANENT SUBMERSION

The NEPTUNE projectors are IP68 and suitable for permanent underwater installation.



GAMES OF LIGHT AND COLOUR

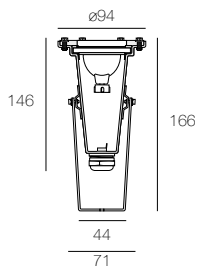
RGB LEDs are combined with the characteristic efficiency and solidness of the NEPTUNE range to create extraordinary plays of light and colour in water; transforming the illumination of fountains and basins into a veritable colour experience.



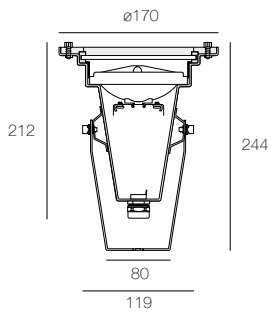
Grand Plaza, Anaheim – California, USA
Project: RJM - Lighting design: STUDIOK1, Peter Maradudin, Kaitlin LeSage Crawford

NEPTUNE

Adjustable on bracket inground submersible projector for halogen lamps. 316L stainless steel brushed polished body and ring. Clear tempered safety glass. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. Light emission depending on the beam width of the selected source. 150° adjustable mounting bracket. Use only class AD8 (submersible) H07RN-F cable. Precabled on request. Remote transformer available as an accessory.
12V



QR-CB51 		WEIGHT	CODE
GU5.3	max 50W	0,6 Kg	66630
Out of the water max 35W (temperature on the glass T>140°C) PG16 stainless steel cable gland for cable Ø from 7 to 13mm.			



QR111 		WEIGHT	CODE
G53	max 100W	1,9 Kg	66600
Out of the water max 75W (temperature on the glass T>140°C) PG21 stainless steel cable gland for cable Ø from 10 to 17mm.			



NEPTUNE inground

See page 544

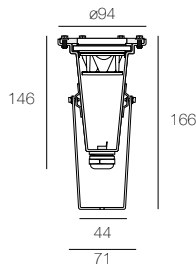
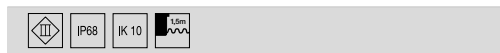
ACCESSORIES

See page 620

LED

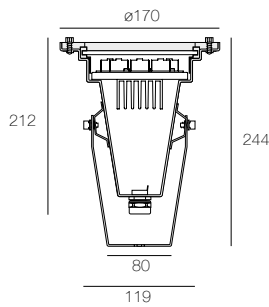
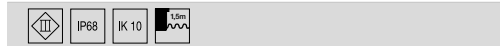
Adjustable on bracket submersible projector for monochromatic white LED. 316L stainless steel brushed polished body and ring. Clear tempered safety glass. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. LED board equipped with micro spot lenses. Fixed lamp holder. 150° adjustable mounting bracket. The fixture can also be used out of the water. Use only class AD8 (submersible) H07RN-F cable. Precabled on request. 350mA electronic driver available as an accessory.

350mA



3 LED	LED COLOUR	OPTIC	WEIGHT	△	CODE
3W	cold white	NSP	0,7 Kg	EV 172	1E1472

PG16 stainless steel cable gland for cable Ø from 7 to 13mm.



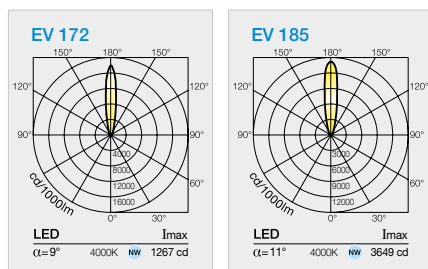
7 LED	LED COLOUR	OPTIC	WEIGHT	△	CODE
7W	cold white	NSP	2,0 Kg	EV 185	1E1478

PG21 stainless steel cable gland for cable Ø from 10 to 17mm.

ALIMENTAZIONE

Driver elettronico 220/240V - 50/60Hz, h 78, Ø 98 IP68 [1E0991](#)

350mA–28V max connessione in serie. Permette l'alimentazione di 2 Neptune versione piccola o di 1 Neptune versione grande.



NEPTUNE LED inground

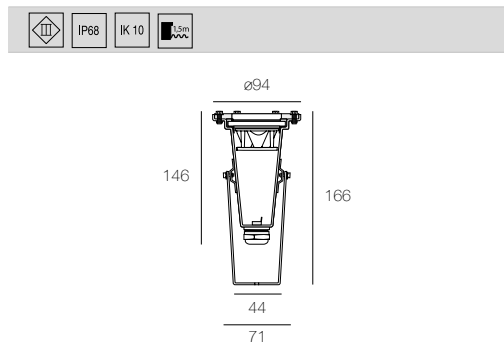
See page 545

NEPTUNE

RGB

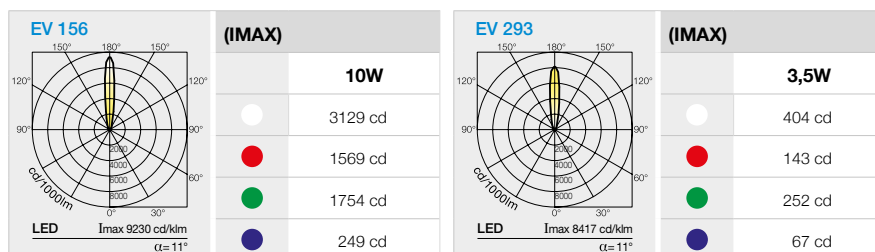
Adjustable on bracket submersible projector for RGB LED. 316L stainless steel brushed polished body and ring. Clear tempered safety glass. Watertight thanks to silicone seal. Stainless steel A4 fastening screws. LED board equipped with spot lenses. Fixed lamp holder. 150° adjustable mounting bracket. The fixture can also be used out of the water. Use only class AD8 (submersible) H07RN-F cable. Precabled with a 1,5 meters-long cable. To be fed in constant current 350mA by SECS 75 or 36 (available as accessories) or by an equivalent PWM technology driver.

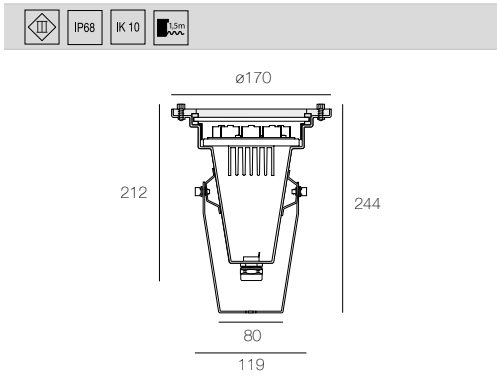
350mA



LED RGB	OPTIC	WEIGHT		CODE
3,5W	SP	0,7 Kg	EV 293	1E1851

Full-color RGB LED for homogeneous colour mixing.
PG16 stainless steel cable gland for cable \varnothing from 7 to 13mm.
To be completed with Driver SECS.





9 LED RGB	OPTIC	WEIGHT	△	CODE
10W	SP	2,0 Kg	EV 156	1E1418

PG16 stainless steel cable gland for cable Ø from 7 to 13mm.
To be completed with Driver SECS.

- To feed the fixture a SECS driver is needed: it works as universal power supply for RGB LED fixtures, pre-set chromatic sequences performing unit and DMX interface for external controllers.
- The driver provides the fixtures with the "Easy-Run-Menu" function, for the automatic execution of 16 different pre-set lighting scenes (8 static + 8 dynamic).
- Each SECS 75 unit can drive simultaneously up to 12 NEPTUNE RGB full color and 4 NEPTUNE with 9 RGB LEDs. Each SECS 36 unit can drive simultaneously up to 9 NEPTUNE RGB full color and 3 NEPTUNE with 9 RGB LEDs.
- Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and speed .
Control systems technical features see page 702.

ACCESSORIES	CODE
Driver Secs 75	<input type="checkbox"/> IP67 1E1401
Driver Secs 75	<input type="checkbox"/> IP20 1T1827
Driver Secs 36	<input type="checkbox"/> IP20 1T2245
my-SCENARIO Show store - USB interface	1T1898
Standard DMX cable	1T1932
6 wire cable for constant current connection in series	1E1713




NEPTUNE RGB inground


See page 546

ACCESSORIES

See page 620

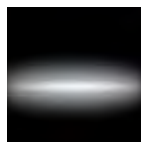
NEPTUNE ACCESSORIES

OPTIC ACCESSORIES		QR111 Ø 112 mm	QR-CB51 Ø 50 mm
	Chromatic filters	Red	70461 49881
		Green	70462 49882
		Blue	70466 49886
		Yellow	70467 49887
		Magenta	- 49959

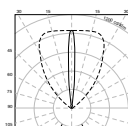
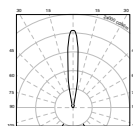
	Frosted filter	70460	70410
-----------------------------------------------------------------------------------	----------------	-------	-------

	Blade filter	70433	70434
-----------------------------------------------------------------------------------	--------------	-------	-------

Creates a "blade" beam for uniform lighting of vertical surfaces.



LIGHT BLADE EFFECT



WITHOUT FILTER WITH FILTER

INSTALLATION

	Projector base	For codes: 66630 / 1E1472 / 1E1473 1E1474 / 1E1851 ø: 136 mm H: 28 mm	70710
		For codes: 66600 / 1E1478 / 1E1479 1E1480 / 1E1418 ø: 228 mm H: 41 mm	70720

Base for installation: the weight allows for stability without ground anchorage.

POWER SUPPLY



Electronic 12V transformer

max 105VA
 220/240V - 50/60 Hz
 L. In - 1m (2x1mm²)
 L. Out - 1m (2x1mm²)
 ø 95 mm
 H 78 mm with cord grip.

IP68

1E1685



Toroidal 12V transformer

150 VA
 230V - 50/60 Hz.
 L. In - 1,5m (2x1mm²)
 L. Out - 1,5m (2x1,5mm²)
 ø135 mm
 H 120 mm

IP68

70632

200 VA
 230V - 50/60 Hz.
 L. In - 1,5m (2x1mm²)
 L. Out - 1,5m (2x2,5mm²)
 ø135 mm
 H 120 mm

IP68

70633

300 VA
 230V - 50/60 Hz.
 L. In - 1,5m (2x1mm²)
 L. Out - 1,5m (2x4mm²)
 ø135 mm
 H 120 mm

IP68

70634

Height with cord grip



Connector

Cable diameter range from 7 to 12 mm.

1E2493

For coaxial connection.
 4 poles max. wire section 2.5 mm².

IP68



Connector

Cable diameter range from 8 to 12 mm.

1E2494

For coaxial connections. 1 IN - 3 OUT
 4 poles max. wire section 2.5 mm².

IP68

LED.Y

COMPACT IN-GROUND, CEILING AND WALL-RECESSED LUMINAIRE FOR MONOCHROME AND RGB LED





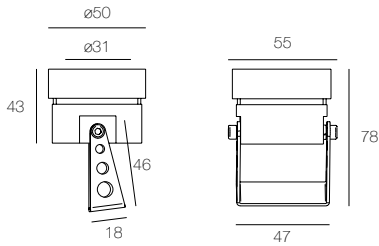
Villeréal. Les Halles, France.

LED.Y PROJECTOR

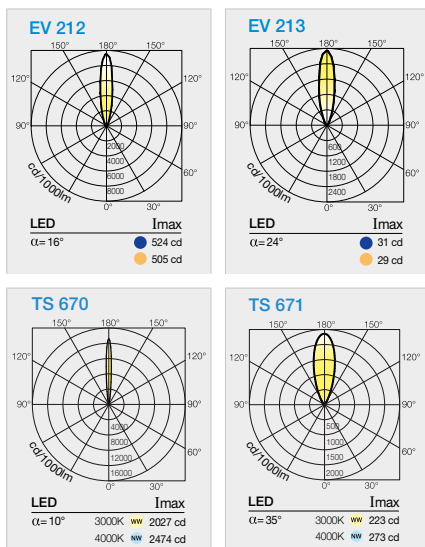
LED

Adjustable on bracket projector for monochromatic LED. Anodised aluminium body and bracket. Vandal-proof clear polycarbonate diffuser 40 Joule shock resistant. Optics equipped with plastic lenses. 150° adjustable mounting bracket. Suitable for underwater (fresh water) installation. 700mA remote electronic driver available as an accessory. Precabled with a 0,5 meters-long cable. Connection in series. Resinated cable for water tight.

700mA



LED	LED COLOUR	OPTIC	Δ	CODE
2W	cold white 6000K	SP	TS 670	1E2372
2W	warm white 3000K	SP	TS 670	1E2371
3W	blue	SP	EV 212	1E1361
3W	amber	SP	EV 212	1E1362
2W	cold white 6000K	FL	TS 671	1E2374
2W	warm white 3000K	FL	TS 671	1E2373
3W	blue	FL	EV 213	1E2354
3W	amber	FL	EV 213	1E2355



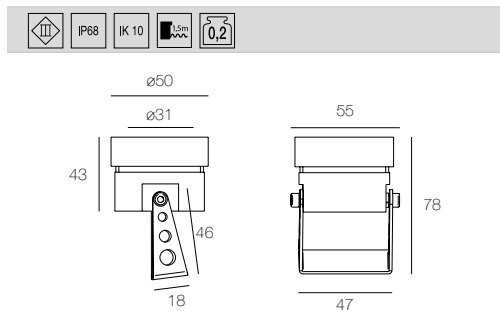
ACCESSORIES	CODE
Galvanized peg for ground anchorage. L. 110mm	1E0995

POWER SUPPLY	
700 mA - 28V max. It can drive simultaneously up to 6 LED.Y fixtures. Connection in series.	1E1385

RGB


Adjustable on bracket projector for multichip full-colour RGB LED. Anodised aluminium body and bracket. Vandal-proof transparent polycarbonate diffuser 40 Joule shock resistant. Optics equipped with plastic prismatic lens. Full-colour RGB LED for homogeneous colour mixing. 150° adjustable mounting bracket. Suitable for underwater (fresh water) installation. To be fed and controlled in constant current 350mA by SECS (available as accessory) or by an equivalent PWM technology driver. Precabled with 1,5m hexapolar cable (6x0,5mm²) for outdoor use. Resinated cable for water tight.

3x350mA



LED RGB	OPTIC		CODE
3,5W	SP	EV 293	1E1855
3,5W	FL	EV 149	1E1410
To be completed with Driver SECS.			

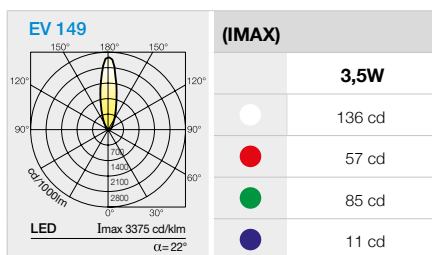
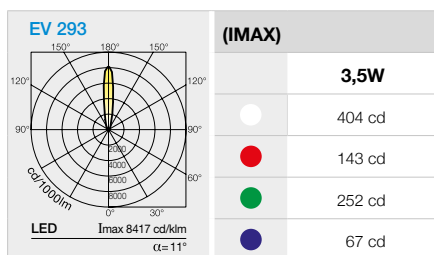
- To feed the fixture a SECS driver is needed: it works as universal power supply for RGB LED fixtures, pre-set chromatic sequences performing unit and DMX interface for external controllers.
- The driver provides the fixtures with the "Easy-Run-Menu" function, for the automatic execution of 16 different pre-set lighting scenes (8 static + 8 dynamic).
- Each SECS 75 unit can drive simultaneously up to 12 LED.Y RGB. Each SECS 36 unit can drive simultaneously up to 9 LED.Y RGB.
- Through control systems such as myScenario it is possible to create "customized" dynamic sequences working on intensity, colour, saturation and speed. For control systems technical features see page 702.

ACCESSORIES	CODE
Driver Secs 75	IP67 1E1401
Driver Secs 75	IP20 1T1827
Driver Secs 36	IP20 1T2245
my-SCENARIO Show store - USB interface	1T1898
6 wire cable for constant current connection in series	1E1713
 Galvanized peg for ground anchorage. L. 110mm	1E0995



LED.Y inground

See page 559



WALL AND CEILING
MOUNTED

OUT

DO

OR

STILO



PROFESSIONAL WALL-MOUNTED, CEILING- MOUNTED AND BOLLARD LED FIXTURE

The same design for a range of products that covers very different professional segments. From architectural lighting of building facades and porticos to lighting pedestrian paths. Different needs and different effects united in harmonious uniformity across the range.



The entire STILO range is characterised by ferrite coloured, painted extruded aluminium across the entire range of installations, effects and power supplies that is able to meet any application and lighting need. Wall-mounted, ceiling mounted and bollard versions can create a myriad of lighting effects, from purely graphic and defined to a wider, deeper beam.

STILO WALL

The wall mounted versions have the same body for two different types of installation: FLAT (parallel to the wall) and STRAIGHT (perpendicular to the wall), both are available in mono and bi-emission versions. All come with a watertight driver installed inside the body, already equipped for a secure connection thanks to the IP68 connector. The different optical systems are fitted with LED board or COB LED according to the different lighting effects. Available with different power supplies, 8W, 11W, 16W, 21W, 22W, 33W, and 42W.

Both the FLAT and the STRAIGHT versions are equipped with a 316 grade stainless steel bracket which makes it possible to adapt the emission to the installation surface precisely. This is thanks to the particular slots in the bracket that make it possible to adjust the light to a 4° angle parallel to the surface and a tilt it up to a maximum of 8°. Everything is secured by an aiming locking system.

THE FLAT VERSION

The versions to be installed parallel to the wall are available with six different lighting effects: Elliptical, Asymmetrical, Super-spot and three graphic effects, Pin, 30° and 90°.



THE STRAIGHT VERSION

The straight versions are perfect to install on small surfaces such as between two windows or two pilasters, to light large vertical surfaces with soft beams or super-spot effects.



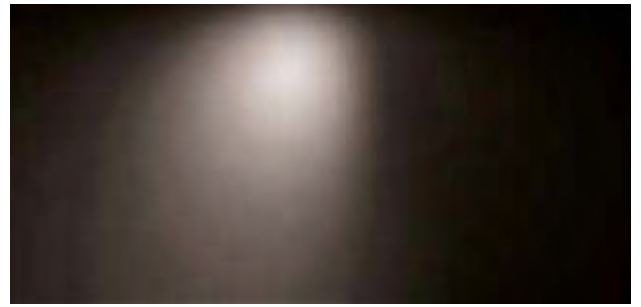
ELLIPTICAL EMISSION

Available with 21W or 33W power sources for grazing yet deeper effects, ideal for lighting building facades.



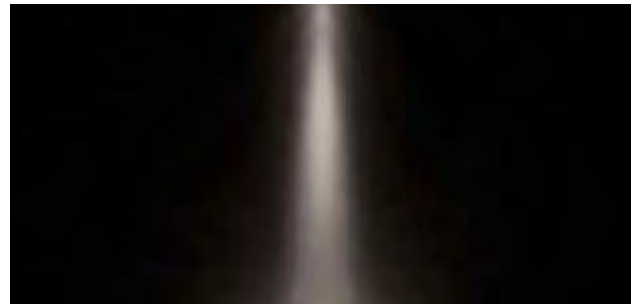
ASYMMETRICAL EMISSION

Available with 21W or 33W power sources for grazing effects to give depth, ideal for lighting porticos. Installed for indirect emission to light arches and direct emission for pedestrian areas.



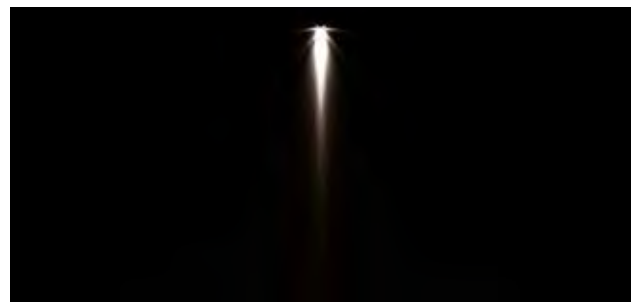
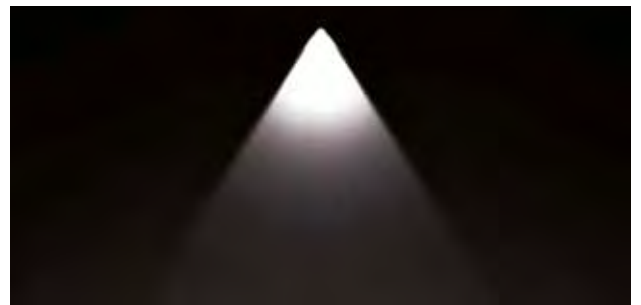
SUPER- SPOT

Characterised by a board made up of three LEDs fitted with acrylic lenses, it has a particularly concentrated and defined effect that is suitable for lighting a facade with just an 8W power sources.



GRAPHIC EFFECTS

Defined, graphic effects and real light patterns on the wall from a blade light beam as thin as a pin, to wider, yet defined effects with beam angles of 30° and 90°.



STILO CEILING

The ceiling mounted versions are ideal to light porticos: the different optics make it possible to obtain different effects depending on lighting needs. To light vertical walls or pedestrian areas. Many solutions for many effects.



ELLIPTICAL EMISSION

The elliptical optic for 21 and 33W power sources makes it possible to light the entire breadth of pedestrian paths homogeneously. Installing the fixture at a height of 4 metres and placing the fixtures 4 metres apart ensures excellent uniformity.



ASYMMETRIC EMISSION

When combining wall lighting with lighting pedestrian paths or illuminating it in depth the asymmetrical optic is the ideal solution.



SUPER-SPOT

For installations long distances from the fixture location, the super spot optic is more suitable because it gives a more controlled, high performance beam with just an 8W power source. A blade filter can be added to this high contrast type of optic to create a continuous effect on the entire pedestrian path. Concentrated in width yet very uniform in length.



STILO	OPTICS			
	ELLIPTICAL	ASYMMETRICAL	SUPERSPOT	EFFECTS
WALL FLAT	21W	21W	8W	11W
	33W	33W		
WALL STRAIGHT	21W		8W	
	33W			
CEILING	21W	21W	8W	
	33W	33W		

Thanks to the wide range of applications together with the different optics and power supplies, STILO is able to meet any project needs with precision and efficiency.

ACCESSORIES

All the optic accessories are mounted on the outside of the fixture and any two (maximum) can be simultaneously mounted to multiple the optional effects of the STILO range.

As well as the optic accessories there are the installation accessories for special installations on poles or corners.



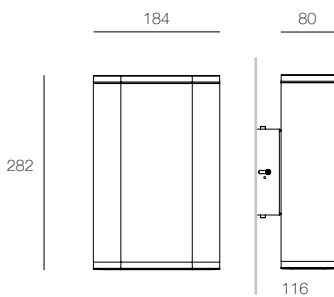
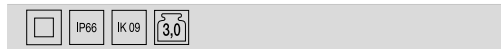
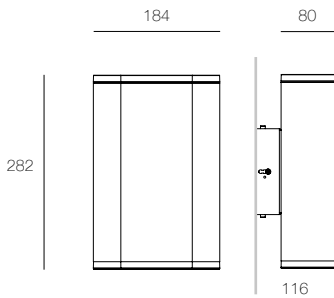
STILO BOLLARD

See page 682

STILO

WALL FLAT

Wall-mounted LED fixture. Equipped to be installed parallel to the wall. Anodized extruded aluminium body and powder coated in ferrite finish die-cast aluminium optical unit and terminal. High luminous efficiency pure aluminium reflector. Ultra flat sand blasted methacrylate protective screen. Mono-emission and Bi-emission versions. Comes with a 316 grade stainless steel installation bracket. The body can be adjusted from +/-4° up to +/- 8° vertically and +/-4° horizontally. The fixture can be moved up to 15mm from the mounting surface by sliding the bracket along a special guide. Watertight optical unit with an IP68 plug for rapid connection to the driver. The driver can be accessed and inspected easily thanks to the plug & light fitted in the fixture. IP68 integrated electronic power supply. Driver box fitted with IP68 watertight connectors driver and pre-cabled with 1m H07RN-F (2x1,5mm²) cable. A DALI version can be supplied on request.
220-240V 50/60Hz



MONO-EMISSION

LED	LED COLOUR	OPTIC	CODE
8W	ww 3000K	Superspot TS 791	1E2556
8W	nw 4000K	Superspot TS 791	1E2881

LED	LED COLOUR	OPTIC		CODE
11W	ww 3000K	Effects TS 788		1E2882
11W	nw 4000K	Effects TS 788		1E2883

The fixture comes equipped with a 90° beam aperture. The beam can be shaped using shutter accessories.

BI-EMISSION

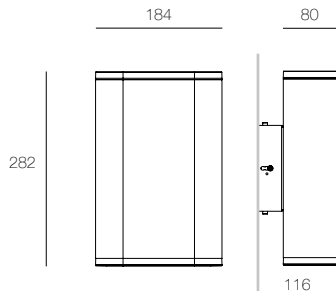
LED	LED COLOUR	OPTIC	CODE
16W	ww 3000K	Superspot/ Superspot TS 824	1E2560
16W	nw 4000K	Superspot/ Superspot TS 824	1E2887

LED	LED COLOUR	OPTIC		CODE
22W	ww 3000K	Effects TS 814		1E2888
22W	nw 4000K	Effects TS 814		1E2889

The fixture comes equipped with a 90° beam aperture. The beam can be shaped using shutter accessories.

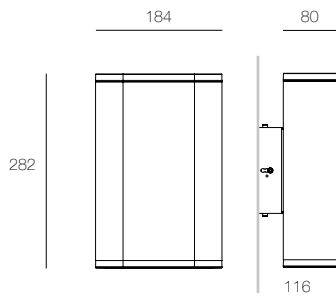
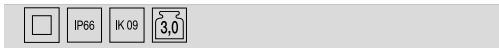
ACCESSORIES (for effects optic)

Shutter 30°	1E2901
Blade effect	1E2902











MONO-EMISSION

LED 	LED COLOUR	OPTIC		CODE
21W	 3000K	Asymmetrical	TS 787	1E2552
21W	 4000K	Asymmetrical	TS 787	1E2877
21W	 3000K	Elliptical	TS 786	1E2554
21W	 4000K	Elliptical	TS 786	1E2879
33W	 3000K	Asymmetrical	TS 787	1E2553
33W	 4000K	Asymmetrical	TS 787	1E2878
33W	 3000K	Elliptical	TS 786	1E2555
33W	 4000K	Elliptical	TS 786	1E2880



BI-EMISSION

LED 	LED COLOUR	OPTIC		CODE
42W	 3000K	Asymmetrical / Asymmetrical	TS 830	1E2557
42W	 4000K	Asymmetrical / Asymmetrical	TS 830	1E2884
42W	 3000K	Elliptical / Elliptical	TS 829	1E2558
42W	 4000K	Elliptical / Elliptical	TS 829	1E2885
42W	 3000K	Elliptical / Asymmetrical	TS 831	1E2559
42W	 4000K	Elliptical / Asymmetrical	TS 831	1E2886

ACCESSORIES

See page 640

PHOTOMETRIC DATA

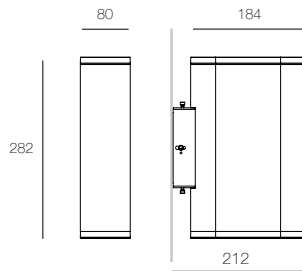
See page 639

STILO

WALL STRAIGHT

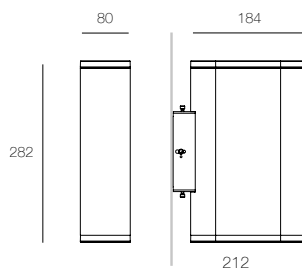
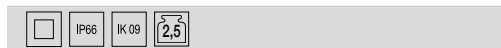
Wall-mounted LED fixture. Equipped to be installed perpendicular to the wall. Anodized extruded aluminium body and powder coated in ferrite finish die-cast aluminium optical unit and terminal. High luminous efficiency pure aluminium reflector. Ultra flat sand blasted methacrylate protective screen. Mono-emission and bi-emission versions. Comes with a 316 grade stainless steel installation bracket. The body can be adjusted from +/-4° up to +/- 8° vertically and +/-4° horizontally. The fixture can be moved up to 15mm from the mounting surface by sliding the bracket along a special guide. Watertight optical unit with an IP68 plug for rapid connection to the driver. The driver can be accessed and inspected easily thanks to the plug & light fitted in the fixture. IP68 integrated electronic power supply. Driver box fitted with IP68 watertight connectors driver and precabled with 1m H07RN-F (2x1,5mm²) cable. A DALI version can be supplied on request.

220-240V 50/60Hz



MONO-EMISSION

LED	LED COLOUR	OPTIC		CODE
8W	WW 3000K	Superspot	TS 791	1E2894
8W	NW 4000K	Superspot	TS 791	1E2895

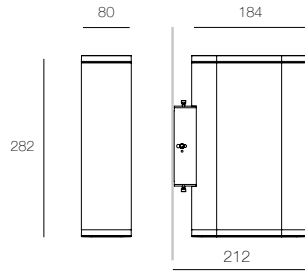


MONO-EMISSION

LED	LED COLOUR	OPTIC		CODE
21W	WW 3000K	Elliptical	TS 786	1E2890
21W	NW 4000K	Elliptical	TS 786	1E2891
33W	WW 3000K	Elliptical	TS 786	1E2892
33W	NW 4000K	Elliptical	TS 786	1E2893

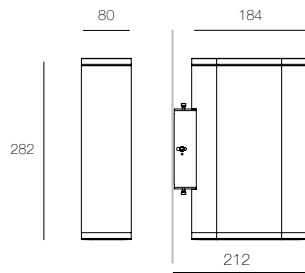
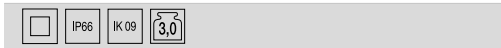
ACCESSORIES

See page 640






BI-EMISSION

LED 	LED COLOUR	OPTIC	\triangle	CODE
16W 	3000K	Superspot/Superspot	TS 824	1E2898
16W 	4000K	Superspot/Superspot	TS 824	1E2899



BI-EMISSION

LED 	LED COLOUR	OPTIC	\triangle	CODE
42W 	3000K	Elliptical/Elliptical	TS 829	1E2896
42W 	4000K	Elliptical/Elliptical	TS 829	1E2897

ACCESSORIES

See page 640

PHOTOMETRIC DATA

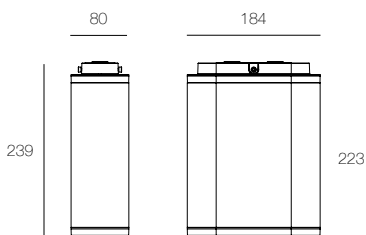
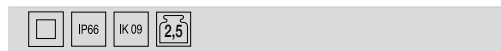
See page 639



STILO

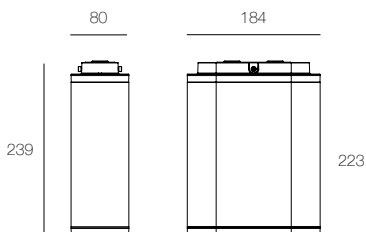
CEILING

Ceiling-mounted LED fixture. Anodized extruded aluminium body and powder coated in ferrite finish die-cast aluminium optical unit and terminal. High luminous efficiency pure aluminium reflector. Ultra flat sand blasted methacrylate protective screen. Comes with a 316 grade stainless steel installation bracket. Watertight optical unit with an IP68 plug for rapid connection to the driver. The driver can be accessed and inspected easily thanks to the plug & light fitted in the fixture. IP68 integrated electronic power supply. Driver box fitted with IP68 watertight connectors driver and precabled with 1m H07RN-F (2x1,5mm²) cable.

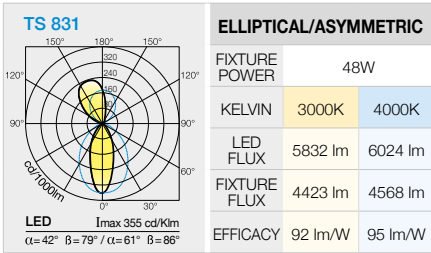
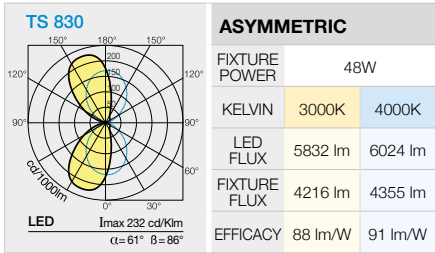
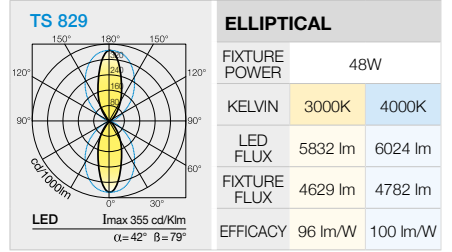
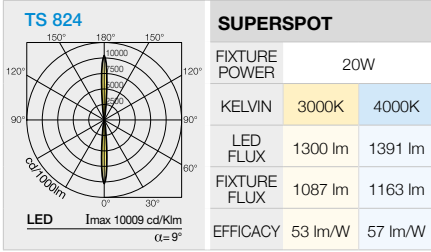
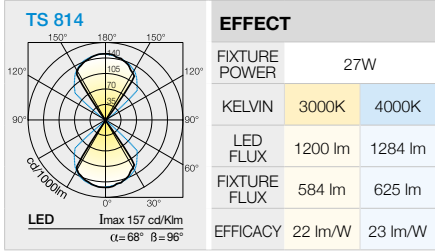
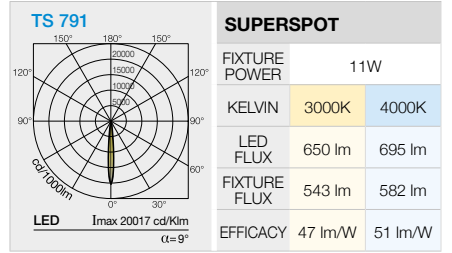
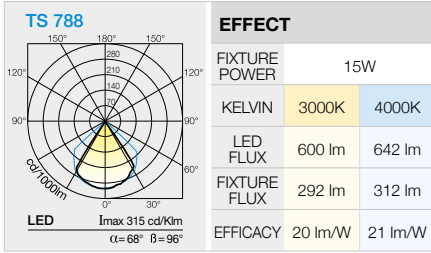
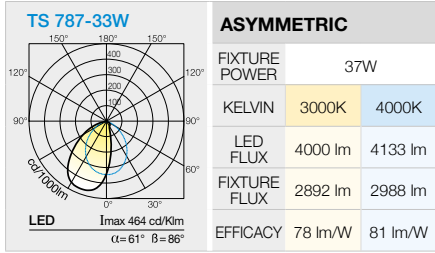
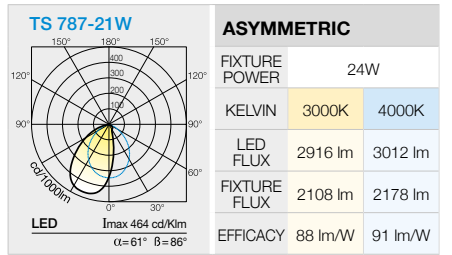
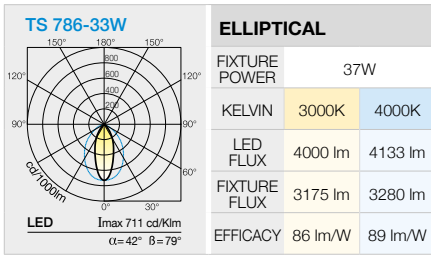
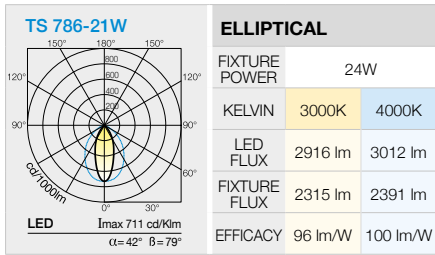
220-240V 50/60Hz




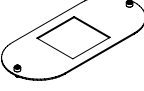
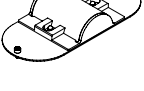






LED 	LED COLOUR	OPTIC		CODE.
8W	WW 3000K	Superspot	TS 791	1E2875
8W	NW 4000K	Superspot	TS 791	1E2876



LED 	LED COLOUR	OPTIC		CODE
21W	WW 3000K	Asymmetrical	TS 787	1E2871
21W	NW 4000K	Asymmetrical	TS 787	1E2872
21W	WW 3000K	Elliptical	TS 786	1E2867
21W	NW 4000K	Elliptical	TS 786	1E2868
33W	WW 3000K	Asymmetrical	TS 787	1E2873
33W	NW 4000K	Asymmetrical	TS 787	1E2874
33W	WW 3000K	Elliptical	TS 786	1E2869
33W	NW 4000K	Elliptical	TS 786	1E2870



STILO ACCESSORIES

			STILO WALL FLAT			
			SUPERSPOT	EFFECTS	ASYMMETRIC	ELLIPTICAL
Chromatic filters	Red		1E3035	1E3035	1E3035	1E3035
	Green		1E3036	1E3036	1E3036	1E3036
	Blue		1E3037	1E3037	1E3037	1E3037
	Yellow		1E3038	1E3038	1E3038	1E3038
	Magenta		1E3039	1E3039	1E3039	1E3039
Shutter 30°			1E2901			
Shutter blade effect			1E2902			
Blade of light filter			1E2576			
Anti-glare			1E2578	1E2578	1E2578	
Asymmetric screen			1E2580			
Pole bracket			1E2906	1E2906	1E2906	
Bracket for corner installation						
Bracket for edge installation						

STILO WALL STRAIGHT		STILO CEILING		
SUPERSPOT	ELLIPTICAL	SUPERSPOT	ASYMMETRIC	ELLIPTICAL
1E3035	1E3035	1E3035	1E3035	1E3035
1E3036	1E3036	1E3036	1E3036	1E3036
1E3037	1E3037	1E3037	1E3037	1E3037
1E3038	1E3038	1E3038	1E3038	1E3038
1E3039	1E3039	1E3039	1E3039	1E3039
1E2576		1E2576		
1E2578	1E2578	1E2578	1E2578	1E2578
1E2906	1E2906			
1E2907	1E2907			
1E2900	1E2900			

POWER SUPPLY



Connector Cable diameter range from 7 to 12 mm. **1E2493**

For coaxial connection.
4 poles max. wire section 2.5 mm². IP68



Connector Cable diameter range from 8 to 12 mm. **1E2494**

For coaxial connections. 1 IN - 3 OUT
4 poles max. wire section 2.5 mm². IP68

HOCKEY

PROFESSIONAL WALL AND CEILING-MOUNTED LUMINAIRE FOR WHITE LED



CLEAN LINES, COMPACT SIZE

HOCKEY's compact size and minimal aesthetics make it one of the smallest fixtures on the market for diffuse outdoor lighting. Its reduced diameter makes it ideal for illuminating public paths and walkways as well as private residential projects. Suitable for installation on both ceilings and walls, HOCKEY uses the latest generation LEDs to create a bright, uniform and long-lasting light effect.

WALL AND CEILING-MOUNTED

One size - only 18cm in diameter - for two different installation options - on ceilings and walls - makes HOCKEY a flexible tool in the hands of the designer, who can use the different versions while maintaining uniformity in design.



INTELLIGENT BRACKET

The cast aluminium bracket echoes the fixture's simple design with its clean rounded lines. The cable box, with IP67 level of protection, can be accessed easily through the lid on the upper section.

HOCKEY



ATTENTION TO DETAIL

Simple lines, rounded contours and defined surfaces. HOCKEY stands out for its linear design characterized by extreme attention to detail. Each fixture is a unique piece of technology and craftsmanship.

LED TECHNOLOGY

The plate made of 12W white LEDs creates a high light emission in two different colour temperatures: warm white and neutral white. The electronic power supply is housed in the body of the luminaire.

LIGHT PLAYS

The special built-in microprism screen guarantees even distribution of light for maximum visual comfort. The single LEDs housed in the body of the luminaire light up to form an unusual lighting texture: numerous interlaced circles of light come together to create suggestive lighting effects.

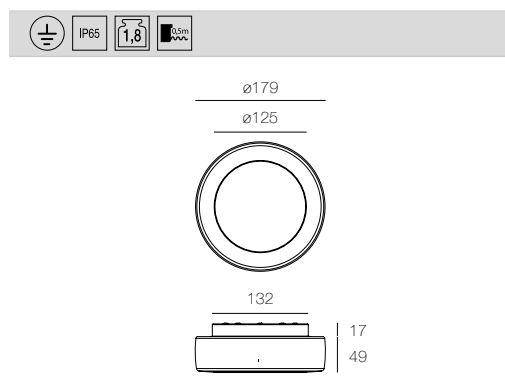





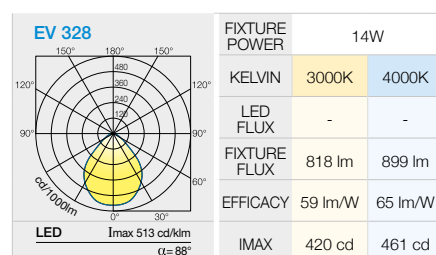
HOCKEY

CEILING MOUNTED

LED fixture for ceiling installation. Die-cast anodised aluminium body, painted in ferrite. LED plate with micro-prismatic diffuser in transparent PMMA. Integrated electronic power supply. Complete with IP67 connection box, with dielectric gel. Pre cabled with 0,5m cable. Steel sheet mounting bracket. Stainless-steel screws INOX A2.
110-240 50/60Hz



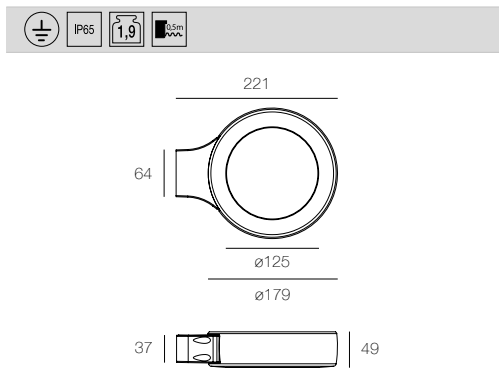
LED 	LED COLOUR	OPTIC		CODE
12W	WW 3000K	VWFL	EV 328	1E2911
12W	NW 4000K	VWFL	EV 328	1E2912




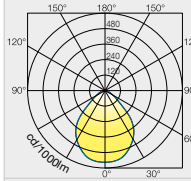
WALL MOUNTED

LED fixture for wall installation. Die-cast anodised aluminium body, painted in ferrite. LED plate with micro-prismatic diffuser in transparent PMMA. Integrated electronic power supply. Complete with IP67 connection box, with dielectric gel. Pre cabled with 0,5m cable. Die cast aluminium bracket. Stainless-steel screws A2.

110-240 50/60Hz



LED 	LED COLOUR	OPTIC	\triangle	CODE
12W	ww 3000K	VWFL	EV 328	1E2909
12W	nw 4000K	VWFL	EV 328	1E2910

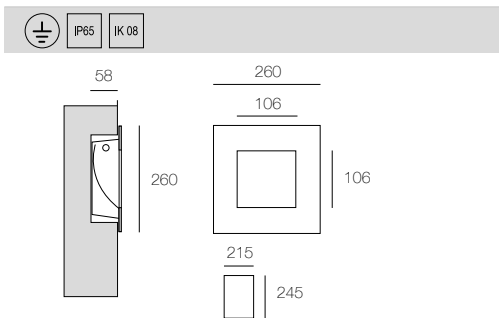
EV 328		FITTURE POWER 14W	
 <p>LED I_{max} 513 cd/kim $\alpha=88^\circ$</p>	KELVIN	3000K	4000K
	LED FLUX	-	-
	FITTURE FLUX	818 lm	899 lm
	EFFICACY	59 lm/W	65 lm/W
	IMAX	420 cd	461 cd



Jesolo Lido Village - Jesolo, Venice, Italy - Project: Arch. Richard Meier

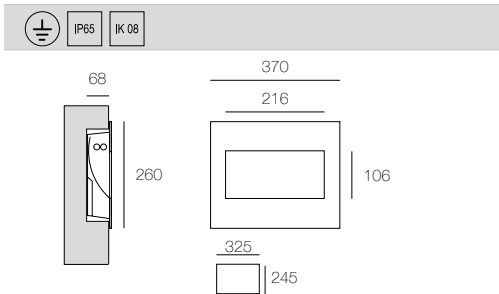
WALL RECESSED ASYMMETRIC FIXTURE FOR HALOGEN AND COMPACT FLUORESCENT LAMPS

Wall recessed asymmetric fixture for halogen and compact fluorescent lamps. Anodised aluminium body. Extra clear 4mm tempered safety glass with serigraphy frame. Glass with anti-theft screw system. Asymmetric aluminium reflector. To be installed directly on the wall. Supplied with M16 cable gland for cable \varnothing from 5 to 9mm². Fluorescent version with low loss magnetic ballast housed in the fixture's body.



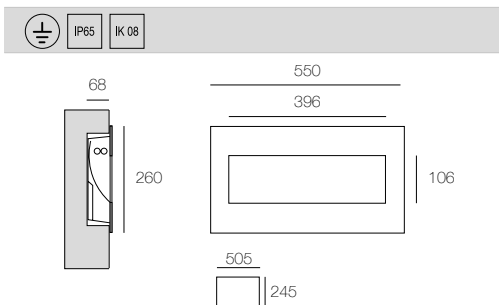
QT14	WEIGHT	△	CODE
G9 max 33W	0,9 Kg	EV 106	1E0436

Constant voltage power supply



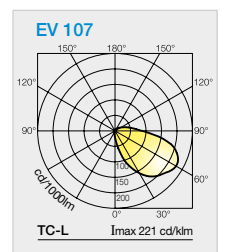
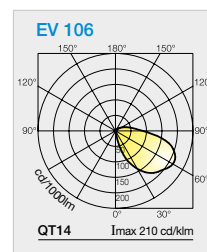
TC-LEL	WEIGHT	△	CODE
2G11 18W	2,8 Kg	EV 107	1E0425

230V 50Hz



TC-LEL	WEIGHT	△	CODE
2G11 36W	3,8 Kg	EV 107	1E0427

230V 50Hz



e-FILO

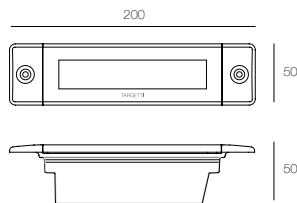


ASYMMETRICAL RECESSED WALL FIXTURE WITH LED SOURCES

Wall recessed asymmetric fixture for outdoor lighting equipped with high efficiency LED.

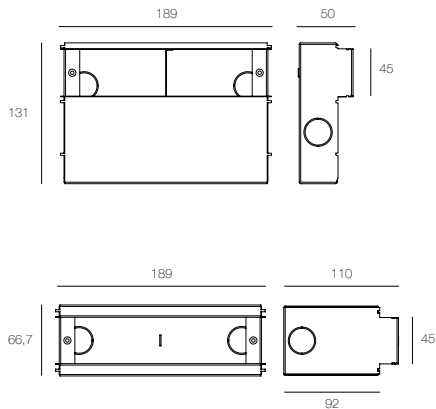
Available in warm and neutral white light emission. Anodized aluminium body ferrite painted and extra clear 6mm tempered safety glass with silk printed frame. Asymmetric aluminium reflector with high luminance control. Aqua stop protection system with resin coating of electrical components. Electronic driver integrated, precabled with H05RN-F (length 300mm) resinated cable to ensure a perfect watertight seal. Fixture must be completed with galvanized steel insertion box, suitable for connection in parallel with passing through cables.

220V-240V 50/60Hz



LED	LED COLOUR		CODE
3W	3000K	TS 643	1E2927
3W	4000K	TS 643	1E2928

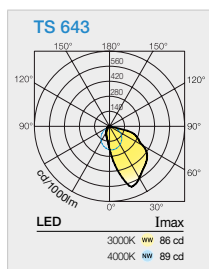
INSERTION BOX



INSERTION BOX COD.

Vertical galvanized metal insertion box
Suitable for connection in parallel with passing through cables [1E2332](#)

Horizontal galvanized metal insertion box
Suitable for connection in parallel with passing through cables [1E2376](#)



POWER SUPPLY

Connector Cable diameter range from 7 to 12 mm. [1E2493](#)

for coaxial connection. 4 poles max. wire section 2.5 mm².

Junction box Cable diameter range up to 9.5 mm. [1E2347](#)

Junction box up to 3 cables. 3+3 poles

Connector Cable diameter range from 8 to 12 mm. [1E2494](#)

for coaxial connections. 4 poles max. wire section 2.5 mm². 1 IN - 3 OUT

FAÇADE LIGHTING

OUT

DO

OR

JEDI PROJECTOR

WALL/CEILING MOUNTED

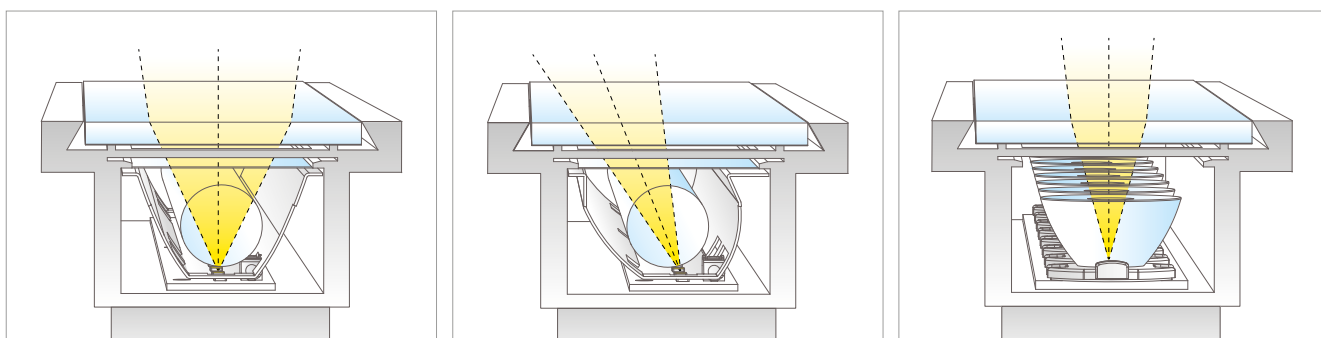
The projector version, like the recessed version comes with four different optical solutions: grazing, wall washer, spot and flood. The extremely flexible mounting system makes it possible to have fixed or adjustable wall or ceiling mounted installations.

It has the same design as the recessed version but is made of anodized aluminium and extra clear tempered glass. The advantage of this version is its discretion with the snap on eyelid accessory installed on the entire length of the product that can be customised in accordance with the needs of the architectural project.



PATENTED OPTICAL SYSTEM

The optical system in the Flood, Grazing and Wall Washer versions is innovative. A mid-power or high-power LED board is combined with a proprietary optical unit consisting of a PMMA cylinder and a special high reflectance reflector (97%) and holographic filter that softens light emission. The optical system produces a completely homogeneous effect on the wall thus avoiding any light strips or separated beams that are typical of linear fixtures fitted with visible LED strip lamps.



GRAZING

WALL WASHER

SPOT

SPOT VERSION FOR DEFINED BEAMS

The various optical systems for the JEDI range also includes the Spot version that can produce defined vertical beams along the length of the fixture. A special LED board is fitted with methacrylate lenses to enhance and optimise the beam to produce a real blade of light that runs along the vertical surface. This is the ideal solution to emphasize particular mouldings and obtain a boundary between light and shade.

RGBW version available on request.



Mall Plaza Oeste – Cerillos, Chile. Project: Theo Kondos, Bordini-Palacio.

JEDI PROJECTOR


LED

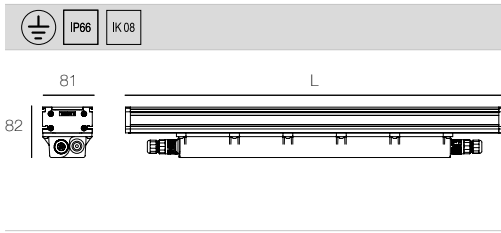
Powerful adjustable linear LED projector. Extruded anodised aluminium 15µ body. Extra clear 4mm thick glass flat screen. Internal optical unit composed of a primary cylindrical methacrylate lens, a high reflectance anodised aluminium reflector and an integrated holographic filter for Grazing, Flood and Wall washer effects; acrylic lenses with integrated holographic filter for Spot effects. The body of the fixture is adjustable and can be installed away from the mounting surface by sliding the brackets along a special guide. The brackets can slide along the body of the fixture to be positioned according to installation needs. Integrated electronic power supply for the standard and Dali versions. Black polycarbonate driver box. To be completed with watertight IP68 (IN-OUT) connectors kit with a rapid mounting system for in-line installations (1E2769). Pre-set for connection with H07RN8-F (3G2,5mm² max - Φ7mm÷12mm max) cable for electronic version and H07RN8-F (5G1,5mm² max - 7mm÷12mm max) cable for DALI version. Rapid mounting system for in-line installations. To be completed with stainless steel fixed or adjustable brackets.

220-240V 50/60Hz



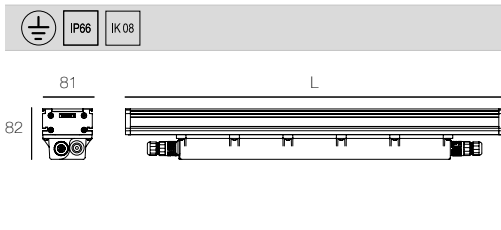
GRAZING

LED 	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
12W	3000K	616 mm	Electronic	2,5 Kg	TS888	1E2581
12W	4000K	616 mm	Electronic	2,5 Kg	TS888	1E2582
12W	3000K	616 mm	DALI	2,5 Kg	TS888	1E2583
12W	4000K	616 mm	DALI	2,5 Kg	TS888	1E2584
18W	3000K	916 mm	Electronic	3,5 Kg	TS888	1E2589
18W	4000K	916 mm	Electronic	3,5 Kg	TS888	1E2590
18W	3000K	916 mm	DALI	3,5 Kg	TS888	1E2591
18W	4000K	916 mm	DALI	3,5 Kg	TS888	1E2592
24W	3000K	1216 mm	Electronic	5,0 Kg	TS888	1E2597
24W	4000K	1216 mm	Electronic	5,0 Kg	TS888	1E2598
24W	3000K	1216 mm	DALI	5,0 Kg	TS888	1E2599
24W	4000K	1216 mm	DALI	5,0 Kg	TS888	1E2600
24W	3000K	616 mm	Electronic	2,5 Kg	TS887	1E2585
24W	4000K	616 mm	Electronic	2,5 Kg	TS887	1E2586
24W	3000K	616 mm	DALI	2,5 Kg	TS887	1E2587
24W	4000K	616 mm	DALI	2,5 Kg	TS887	1E2588
36W	3000K	916 mm	Electronic	3,5 Kg	TS887	1E2593
36W	4000K	916 mm	Electronic	3,5 Kg	TS887	1E2594
36W	3000K	916 mm	DALI	3,5 Kg	TS887	1E2595
36W	4000K	916 mm	DALI	3,5 Kg	TS887	1E2596
48W	3000K	1216 mm	Electronic	5,0 Kg	TS887	1E2601
48W	4000K	1216 mm	Electronic	5,0 Kg	TS887	1E2602
48W	3000K	1216 mm	DALI	5,0 Kg	TS887	1E2603
48W	4000K	1216 mm	DALI	5,0 Kg	TS887	1E2604



SPOT

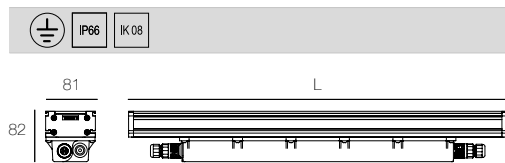
LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
23W	WW 3000K	616 mm	Electronic	2,5 Kg	TS889	1E2653
23W	NW 4000K	616 mm	Electronic	2,5 Kg	TS889	1E2654
23W	WW 3000K	616 mm	DALI	2,5 Kg	TS889	1E2655
23W	NW 4000K	616 mm	DALI	2,5 Kg	TS889	1E2656
34W	WW 3000K	916 mm	Electronic	3,5 Kg	TS889	1E2657
34W	NW 4000K	916 mm	Electronic	3,5 Kg	TS889	1E2658
34W	WW 3000K	916 mm	DALI	3,5 Kg	TS889	1E2659
34W	NW 4000K	916 mm	DALI	3,5 Kg	TS889	1E2660
46W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS889	1E2661
46W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS889	1E2662
46W	WW 3000K	1216 mm	DALI	5,0 Kg	TS889	1E2663
46W	NW 4000K	1216 mm	DALI	5,0 Kg	TS889	1E2664



FLOOD

LED	LED COLOUR	L.	POWER SUPPLY	WEIGHT	△	CODE
12W	WW 3000K	616 mm	Electronic	2,5 Kg	TS886	1E2605
12W	NW 4000K	616 mm	Electronic	2,5 Kg	TS886	1E2606
12W	WW 3000K	616 mm	DALI	2,5 Kg	TS886	1E2607
12W	NW 4000K	616 mm	DALI	2,5 Kg	TS886	1E2608
18W	WW 3000K	916 mm	Electronic	3,5 Kg	TS886	1E2613
18W	NW 4000K	916 mm	Electronic	3,5 Kg	TS886	1E2614
18W	WW 3000K	916 mm	DALI	3,5 Kg	TS886	1E2615
18W	NW 4000K	916 mm	DALI	3,5 Kg	TS886	1E2616
24W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS886	1E2621
24W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS886	1E2622
24W	WW 3000K	1216 mm	DALI	5,0 Kg	TS886	1E2623
24W	NW 4000K	1216 mm	DALI	5,0 Kg	TS886	1E2624
24W	WW 3000K	616 mm	Electronic	2,5 Kg	TS885	1E2609
24W	NW 4000K	616 mm	Electronic	2,5 Kg	TS885	1E2610
24W	WW 3000K	616 mm	DALI	2,5 Kg	TS885	1E2611
24W	NW 4000K	616 mm	DALI	2,5 Kg	TS885	1E2612
36W	WW 3000K	916 mm	Electronic	3,5 Kg	TS885	1E2617
36W	NW 4000K	916 mm	Electronic	3,5 Kg	TS885	1E2618
36W	WW 3000K	916 mm	DALI	3,5 Kg	TS885	1E2619
36W	NW 4000K	916 mm	DALI	3,5 Kg	TS885	1E2620
48W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS885	1E2625
48W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS885	1E2626
48W	WW 3000K	1216 mm	DALI	5,0 Kg	TS885	1E2627
48W	NW 4000K	1216 mm	DALI	5,0 Kg	TS885	1E2628

JEDI PROJECTOR



WALL WASHER

LED	LED COLOUR	L	POWER SUPPLY	WEIGHT	△	CODE
12W	WW 3000K	616 mm	Electronic	2,5 Kg	TS884	1E2629
12W	NW 4000K	616 mm	Electronic	2,5 Kg	TS884	1E2630
12W	WW 3000K	616 mm	DALI	2,5 Kg	TS884	1E2631
12W	NW 4000K	616 mm	DALI	2,5 Kg	TS884	1E2632
18W	WW 3000K	916 mm	Electronic	3,5 Kg	TS884	1E2637
18W	NW 4000K	916 mm	Electronic	3,5 Kg	TS884	1E2638
18W	WW 3000K	916 mm	DALI	3,5 Kg	TS884	1E2639
18W	NW 4000K	916 mm	DALI	3,5 Kg	TS884	1E2640
24W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS884	1E2645
24W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS884	1E2646
24W	WW 3000K	1216 mm	DALI	5,0 Kg	TS884	1E2647
24W	NW 4000K	1216 mm	DALI	5,0 Kg	TS884	1E2648
24W	WW 3000K	616 mm	Electronic	2,5 Kg	TS883	1E2633
24W	NW 4000K	616 mm	Electronic	2,5 Kg	TS883	1E2634
24W	WW 3000K	616 mm	DALI	2,5 Kg	TS883	1E2635
24W	NW 4000K	616 mm	DALI	2,5 Kg	TS883	1E2636
36W	WW 3000K	916 mm	Electronic	3,5 Kg	TS883	1E2641
36W	NW 4000K	916 mm	Electronic	3,5 Kg	TS883	1E2642
36W	WW 3000K	916 mm	DALI	3,5 Kg	TS883	1E2643
36W	NW 4000K	916 mm	DALI	3,5 Kg	TS883	1E2644
48W	WW 3000K	1216 mm	Electronic	5,0 Kg	TS883	1E2649
48W	NW 4000K	1216 mm	Electronic	5,0 Kg	TS883	1E2650
48W	WW 3000K	1216 mm	DALI	5,0 Kg	TS883	1E2651
48W	NW 4000K	1216 mm	DALI	5,0 Kg	TS883	1E2652

In line with International standard IEC 364-7-702 the IP68 rated projector can withstand temporary accidental immersion to a depth of 1 meter but is unsuitable for permanent underwater installation.

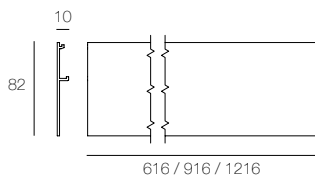
TS 888	GRAZING					
	600mm	900mm	1200mm	600mm	900mm	1200mm
LED	15W	22W	28W	15W	22W	28W
KELVIN	3000K			4000K		
LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
FIXTURE FLUX	1429 lm	2144 lm	2859 lm	1496 lm	2244 lm	2992 lm
EFFICACY	95 lm/W	97 lm/W	102 lm/W	100 lm/W	102 lm/W	107 lm/W
IMAX	2753 cd	4130 cd	5506 cd	2881 cd	4322 cd	5762 cd

TS 887	GRAZING					
	600mm	900mm	1200mm	600mm	900mm	1200mm
LED	28W	40W	53W	28W	40W	53W
KELVIN	3000K			4000K		
LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
FIXTURE FLUX	2842 lm	4263 lm	5684 lm	2983 lm	4475 lm	5967 lm
EFFICACY	101 lm/W	107 lm/W	107 lm/W	106 lm/W	112 lm/W	113 lm/W
IMAX	5474 cd	8210 cd	10947 cd	5747 cd	8621 cd	11494 cd

TS 884	WW					
	600mm	900mm	1200mm	600mm	900mm	1200mm
LED	15W	22W	28W	15W	22W	28W
KELVIN	3000K			4000K		
LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
FIXTURE FLUX	1293 lm	1940 lm	2587 lm	1354 lm	2030 lm	2707 lm
EFFICACY	86 lm/W	88 lm/W	92 lm/W	90 lm/W	92 lm/W	97 lm/W
IMAX	1331 cd	1996 cd	2662 cd	1393 cd	2089 cd	2786 cd

TS 883	WW					
	600mm	900mm	1200mm	600mm	900mm	1200mm
LED	28W	40W	53W	28W	40W	53W
KELVIN	3000K			4000K		
LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
FIXTURE FLUX	2572 lm	3858 lm	5144 lm	2700 lm	4049 lm	5399 lm
EFFICACY	92 lm/W	96 lm/W	97 lm/W	96 lm/W	101 lm/W	102 lm/W
IMAX	2646 cd	3969 cd	5292 cd	2778 cd	4167 cd	5557 cd

INSTALLATION ACCESSORIES



Side cover L=616mm for wall/cornice installation.

[1E2755](#)

Side cover L=616mm for ceiling installation.

[1E3045](#)

Side cover L=916mm for wall/cornice installation.

[1E2756](#)

Side cover L=916mm for ceiling installation.

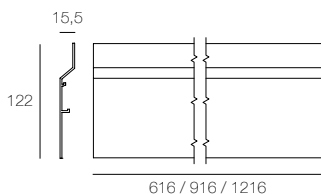
[1E3046](#)

Side cover L=1216mm for wall/cornice installation.

[1E2757](#)

Side cover L=1216mm for ceiling installation.

[1E3047](#)



Anti-glare side cover L=616mm

[1E2758](#)

Anti-glare side cover L=916mm

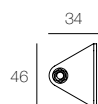
[1E2759](#)

Anti-glare side cover L=1216mm

[1E2760](#)

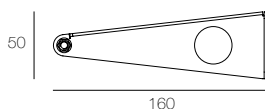
Dead end

[1E2761](#)



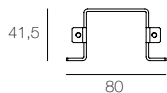
Short bracket for wall installation (2 pieces)

[1E2752](#)



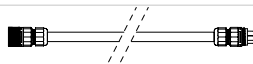
Long bracket for wall installation (2 pieces)

[1E2753](#)



Bracket for ceiling installation (2 pieces)

[1E2754](#)



Connection cable L=320mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 600mm projector with one 900mm projector.

[1E2762](#)

Connection cable L=470mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 600mm projector with one 1200mm projector or two 900mm projectors.

[1E2763](#)

Connection cable L=620mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of one 900mm projector with one 1200mm projector.

[1E2764](#)

Connection cable L=770mm. Complete with connectors 5 poles. For electronic and DALI version. For in line adjacent connection of two 1200mm projectors.

[1E2765](#)



Connectors kit for coaxial connection 5 poles.

[1E2769](#)

TS 889	SPOT						
	600mm	900mm	1200mm	600mm	900mm	1200mm	
	FIXTURE POWER	28W	40W	51W	28W	40W	
	KELVIN	3000K			4000K		
	LED FLUX	1947 lm	2922 lm	3894 lm	2109 lm	3165 lm	4218 lm
	FIXTURE FLUX	1591 lm	2387 lm	3181 lm	1723 lm	2586 lm	3446 lm
	EFFICACY	57 lm/W	60 lm/W	62 lm/W	61 lm/W	65 lm/W	68 lm/W
	IMAX	32201 cd	48326 cd	64401 cd	34880 cd	52345 cd	69760 cd
	LED I_{max} 16539 cd/Klm $\alpha=10^\circ$						

TS 886	FLOOD						
	600mm	900mm	1200mm	600mm	900mm	1200mm	
	FIXTURE POWER	15W	22W	28W	15W	22W	
	KELVIN	3000K			4000K		
	LED FLUX	1720 lm	2580 lm	3440 lm	1800 lm	2700 lm	3600 lm
	FIXTURE FLUX	1285 lm	1927 lm	2570 lm	1345 lm	2017 lm	2689 lm
	EFFICACY	86 lm/W	88 lm/W	92 lm/W	90 lm/W	92 lm/W	96 lm/W
	IMAX	1203 cd	1804 cd	2405 cd	1263 cd	1894 cd	2517 cd
	LED I_{max} 699 cd/Klm $\alpha=32^\circ$ $\beta=85^\circ$						

TS 885	FLOOD						
	600mm	900mm	1200mm	600mm	900mm	1200mm	
	FIXTURE POWER	28W	40W	53W	28W	40W	
	KELVIN	3000K			4000K		
	LED FLUX	3420 lm	5130 lm	6840 lm	3590 lm	5385 lm	7180 lm
	FIXTURE FLUX	2555 lm	3833 lm	5111 lm	2682 lm	4024 lm	5365 lm
	EFFICACY	91 lm/W	96 lm/W	96 lm/W	96 lm/W	101 lm/W	101 lm/W
	IMAX	2391 cd	3587 cd	4783 cd	2511 cd	3767 cd	5022 cd
	LED I_{max} 699 cd/Klm $\alpha=32^\circ$ $\beta=85^\circ$						

LINEOS

LINEAR ADJUSTABLE FIXTURE FOR FLUORESCENT LAMPS



DISCRETE LINES OF LIGHT

LINEOS is an adjustable on bracket linear fixture for continuous lines of light installation. The small size of the fixture section reduces its whole dimensions, allowing it to be used even in very complex installations.

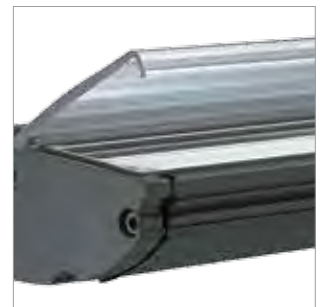


La ferme Ornée - De Cour à Jardin



SAFE AND EASY RELAMPING

Relamping is extremely easy thanks to the special anti-UV and shock resistant polycarbonate safety screen. To access the optical housing simply unclip and lift the polycarbonate screen.



LINEOS

MAXIMUM VERSATILITY OF INSTALLATION

Different kinds of brackets make it possible to install LINEOS in different configurations and possibilities. Adjacent to the wall, overhanging, in continuous uninterrupted lines, on the ceiling. (See section LINEOS MOUNTING SYSTEMS).



PREWIRED

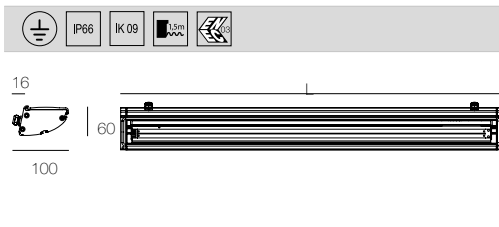
LINEOS versions for fluorescent lamps are prewired with 1.5 metres of H07RN-F cabling, while LED models are prewired with a special multifunctional cable for external use (supply + DMX). Both versions are equipped with a PG11 cable gland.



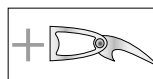
Vienna Volksoper, Vienna, Austria. Architect: podpod design

Adjustable on bracket linear projector for T16 fluorescent lamps. Painted extruded aluminium body. Shock resistant and anti UV polycarbonate flat screen. Aluminium wide flood optic. To be completed with mounting brackets. Integrated electronic multipower ballast. Precabled with 1,5m H07RN-F (3G1,5mm²) cable and two PG11 cable glands to ensure a perfect watertight seal.

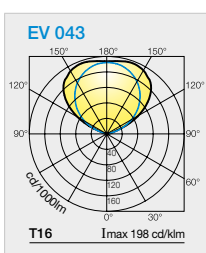
220-240V 50/60Hz



T16		LENGHT	WEIGHT	△	CODE
G5	1x14/1x24W	620 mm	1,9 Kg	EV 043	1E2929
	2x14/2x24W	1200 mm	3,8 Kg	EV 043	1E2930
	3x14/3x24W	1790 mm	5,8 Kg	EV 043	1E2931
	1x21/1x39W	920 mm	3,1 Kg	EV 043	1E2932
	2x21/2x39W	1800 mm	5,8 Kg	EV 043	1E2933
	3x21/3x39W	2690 mm	8,4 Kg	EV 043	1E2934
	1x28/1x54W	1220 mm	3,9 Kg	EV 043	1E2935
	2x28/2x54W	2400 mm	7,8 Kg	EV 043	1E2936
	1x35/1x49/1x80W	1520 mm	4,8 Kg	EV 043	1E2937
	2x35/2x49W	3000 mm	9,0 Kg	EV 043	1E2938



All lighting fixtures have to be completed with mounting brackets. (see page 670)



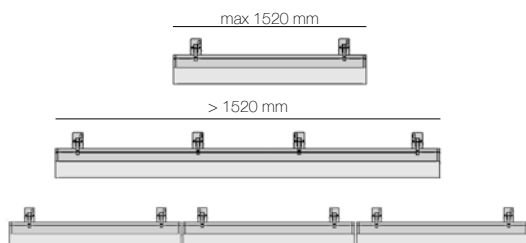
MOUNTING SYSTEMS AND ACCESSORIES

See page 670

LINEOS ACCESSORIES

MOUNTING SYSTEMS

All LINEOS mounting systems can be mounted in any point of the fixture profile making the installation easy and allowing continuous line installation.



1 couple of brackets for LINEOS up to 1520mm max.

2 couple of brackets have to be used when LINEOS length exceeds 1520mm



Mounting system consisting of brackets in painted steel for fixing on the rear side of the fixture.



Fixed brackets for rear fixing

67730	1E1839	
67740	1E1422	
67731	1E1840	1E2939
67782	1E1424	

2 brackets kit for rear fixing

67760	1E1841	
67751	1E1426	1E2940
67781		

4 brackets kit for rear fixing

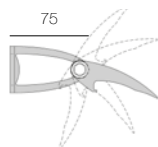
67771	1E1842	
67792	1E1428	1E2941
67791		

8 brackets kit for rear fixing



Compact fixed brackets with covering caps Couple of brackets. **1E2942**

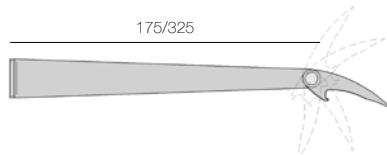
Compact fixing brackets provided with covering caps. To be used for LINEOS <1520mm.



Adjustable brackets

Couple of brackets. L. 75 mm **1E2943**

Couple of brackets L. 175 mm **1E2944**



Couple of brackets L. 325 mm **1E2945**

Adjustable brackets made of painted stainless steel and anti-corrosion anodized aluminium clamps.



Air brackets kit

Couple of long brackets. L. 1108 mm **1E2946**



Long stainless steel mounting brackets with anti-corrosion joints in painted anodized aluminium. Brackets can be cut to the desired length. Length of the brackets allows both wall and ceiling installation for lighting of wide vertical and horizontal surfaces. The kit includes adjustable brackets, rigid arms and wall mounting clamps.



Victorio Macho Museum, Roca tarpeya - Toledo, Spain
Photographer: EL DIA

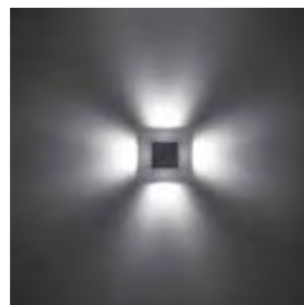
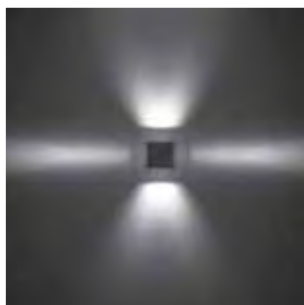
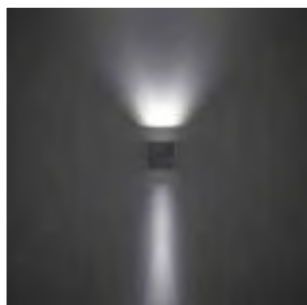
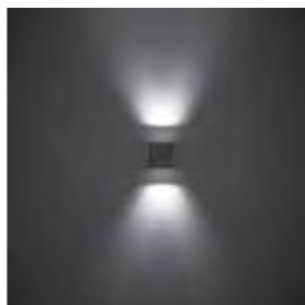
Q-BO

WALL AND CEILING MOUNTED FIXTURE FOR LED AND METAL HALIDE SOURCES

DIFFERENT VERSIONS AND LIGHTING EFFECTS

Available in two versions – bi-emission (direct/indirect) and pluri-emission – Q-BO is a wall or ceiling mounted fixture for grazing light effect. Thanks to Q-BO optic accessories it is possible to create scenographic lighting effects on the surface to be illuminated and to trim the light beams according to specific project requirements.

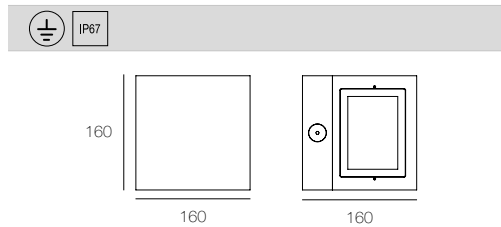
Q-BO accessories make it possible to control the light beam in 2 or 4 directions, creating a variety of light effects. A defined blade of light can be created by using the lens accessory and different louvres help to create more or less wide controlled beams.



University of Gorizia, Gorizia, Italy. Project: Politecnica, Florence.

Wall and ceiling mounted fixture for metal halide lamps for grazing light effect. Painted die-cast anodised aluminium body. Anti-glare reflector. Direct/indirect emission and multiple emission versions available. Quick and easy relamping thanks to rapid mounting system. Integrated electronic ballast. Shutters, lenses, filters available for different light effects.

220-240V 50/60Hz



BI-EMISSION

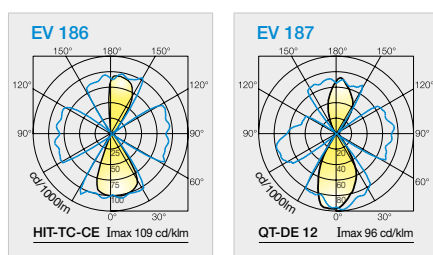
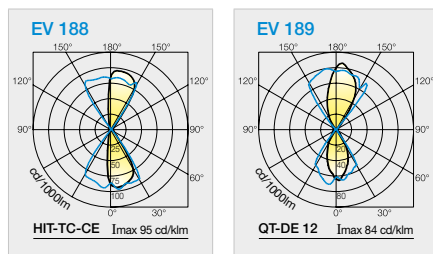
HIT-TC-CE	OPTIC	WEIGHT	△	CODE
G8.5 35W	VWLF	6,0 Kg	188	1E2947
70W	VWLF	6,0 Kg	188	1E2948

Complete with electronic ballast.

PLURI-EMISSION

HIT-TC-CE	OPTIC	WEIGHT	△	CODE
G8.5 35W	VWLF	5,0 Kg	186	1E2950
70W	VWLF	5,0 Kg	186	1E2951

Complete with electronic ballast.

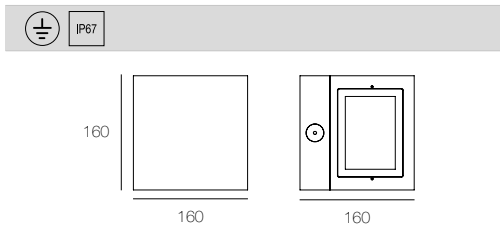


OPTICAL ACCESSORIES

Blade of light (4/6°) Micrometric adjustability of the accessory to obtain perfect light beam direction	1E2953
Narrow blade of light (10/12°) Micrometric adjustability of the accessory to obtain perfect light beam direction	1E2954
Shutter. To be mounted outside the fixture	1E2955
Shutter	1E1681
Louvre. Beam width 50°	1E1682
Louvre. Beam width 30°	1E1683

Q-BO LED

Wall and ceiling mounted fixture for grazing light effect for LED lamps. Painted die-cast anodised aluminium body. Available in a direct/indirect light bi-emission version and a pluriemission version. Integrated electronic control. Shutters, lenses and filters available for different light effects.
220-240V 50/60Hz



BI-EMISSION

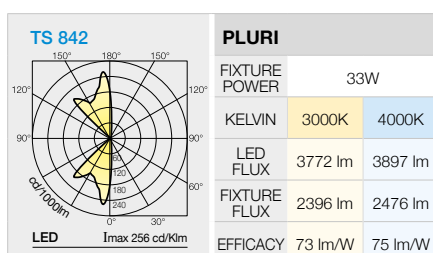
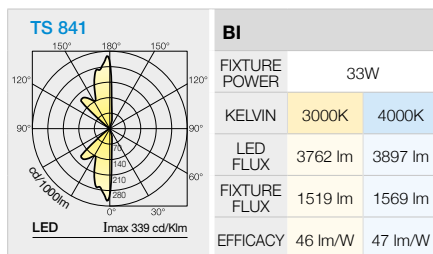
LED	OPTIC	LED COLOUR	WEIGHT	△	CODE
29W	VWLF	WW 3000K	6,5 Kg	TS 841	1E2956
29W	VWLF	NW 4000K	6,5 Kg	TS 841	1E2957

Complete with electronic ballast.

PLURI-EMISSION

LED	OPTIC	LED COLOUR	WEIGHT	△	CODE
29W	VWLF	WW 3000K	6,5 Kg	TS 842	1E2958
29W	VWLF	NW 4000K	6,5 Kg	TS 842	1E2959

Complete with electronic ballast.



OPTICAL ACCESSORIES

Blade of light (4/6°) Micrometric adjustability of the accessory to obtain perfect light beam direction	1E2953
Narrow blade of light (10/12°) Micrometric adjustability of the accessory to obtain perfect light beam direction	1E2954
Shutter. To be mounted outside the fixture	1E2955
Louvre. Beam width 50°	1E2960
Louvre. Beam width 30°	1E2961



Mall Plaza Oeste – Cerillos, Chile. Project: Theo Kondos, Bordini-Palacio.

FEBO

GROUND AND WALL-MOUNTED FIXTURE FOR METAL HALIDE AND LED SOURCES
FOR GRAZING LIGHT EFFECT



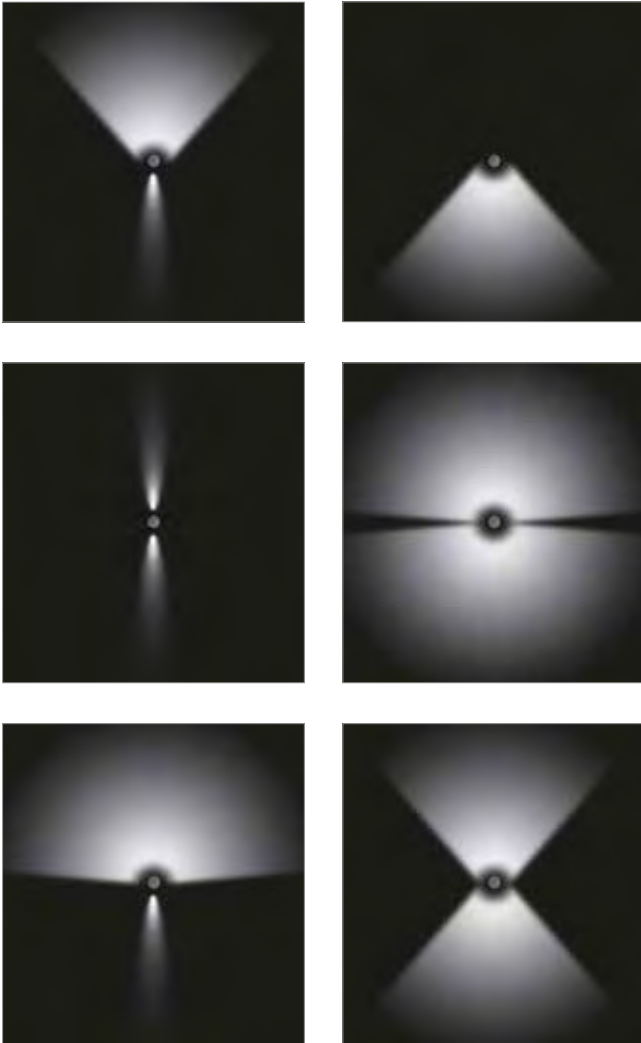
Atelier White Sposa, Castiglion Fiorentino, Arezzo - Project: Andrea Rocchi - Photographer: Freely Photo

SKINLIGHT

Light as a second skin. FEBO blends seamlessly with architectural surfaces, enhancing materials and textures. FEBO is a grazing light effect fixture for ground or wall installation, perfect for lighting vertical and horizontal surfaces. The exceptional control of light beam is guaranteed by the optical system consisting of lenses and shutters. FEBO is thus able to create light effects such as a "pure blade of light". The result is an exceptionally uniform beam free from stray light

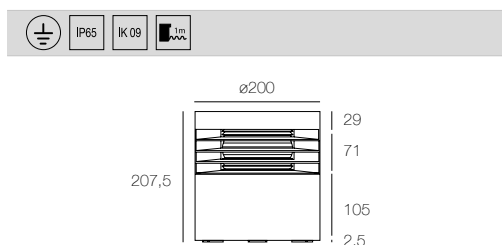
VARIETY OF EFFECTS

The FEBO optical accessories act independently on a 180° section of the beam and can be used in a modular way on the fixture's two hemispheres, making it possible to customise lighting effects by "playing" with the various possible combinations.



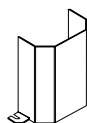
FEBO

Inground or wall recessed fixture with grazing lighting effect for metal halide lamps. Extruded aluminium body. Die-cast lamellar aluminium optic element. Tempered glass lens for blade of light effect. Fixing plate with hidden slots. Electronic ballast housed in the fixture's body. Precabled with 1m H07RN-F (3G1,5mm²) watertight resinate cable.



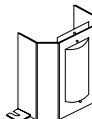
HIT-CE	OPTIC	WEIGHT	T	△	CODE
G12 35W	WLF	5,2 Kg	43°C	EV 042	1E2962
70W	WLF	5,2 Kg	55°C	EV 042	1E2963
Power supply integrated					
220-240V 50/60Hz					

ACCESSORIES



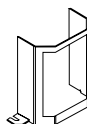
180° shutter

[64131](#)



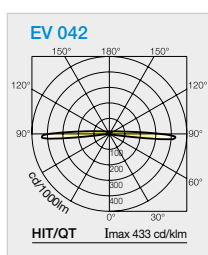
WFL - 90° beam aperture

[64132](#)



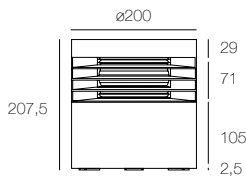
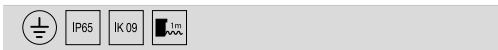
SP - 10° beam aperture

[64130](#)



FEBO LED

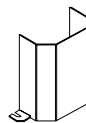
Inground or wall LED recessed fixture with grazing lighting effect. Extruded aluminium body. Die-cast lamellar aluminium black optic element. Tempered glass lens for blade of light effect. LED source with holographic filter. Fixing plate with hidden slots. Electronic ballast housed in the fixture's body. Precabled with 1m H07RN-F (3G1,5mm²) watertight resin cable.
220-240V 50/60Hz



LED	OPTIC	WEIGHT	LED COLOUR	△	CODE
16W	WLF	5,7 Kg	3000K	TS 839	1E2965
16W	WLF	5,7 Kg	4000K	TS 839	1E2966

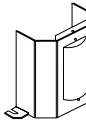
Electronic ballast integrated

ACCESSORIES



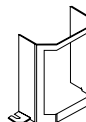
180° shutter

[64131](#)



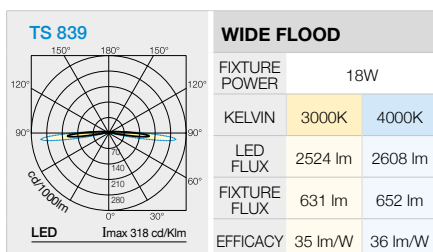
WFL - 90° beam aperture

[64132](#)



SP - 10° beam aperture

[64130](#)



BOLLARD

OUT

DO

OR

STILO BOLLARD

PROFESSIONAL LED BOLLARD

The bollard versions come in two types and are perfect for lighting paths and architectural lighting. Both are fitted with high performance LED board or C.O.B. LED with a built-in, watertight power supply which is already equipped with a secure IP68 rapid connector. A DALI version can be supplied on request.



The entire STILO range is characterised by titanium coloured, painted extruded aluminium across the entire range of installations, effects and power supplies that is able to meet any application and lighting need. Wall-mounted, ceiling mounted and bollard versions can create a myriad of lighting effects, from purely graphic and defined to a wider, deeper beam.



PATH LIGHT

The PATH version is ideal for lighting paths with its particular "size" that hides the optical system, shielding the source to obtain a well, distributed effect on pedestrian paths without the risk of glare.

Thanks to the use of particular optical systems STILO PATH can guarantee a distance of 3 metres between fixtures, thus guaranteeing excellent uniformity.



RAISED

The RAISED version is designed for architectural lighting and is available with different optical systems. A Floor Washer optic makes it possible to light horizontal surfaces in great depth to cover wide surfaces up to 6 metres; it is ideal to light parks, gardens and forecourts. There is also a Wall Washer optic that is ideal for lighting vertical surfaces in an extraordinary uniform way, such as facades, perimeter walls and vertical gardens. The optical system is fitted with a mirror finish pure aluminium recuperator combined with a sand blasted methacrylate screen to create a diffused and uniform effect.

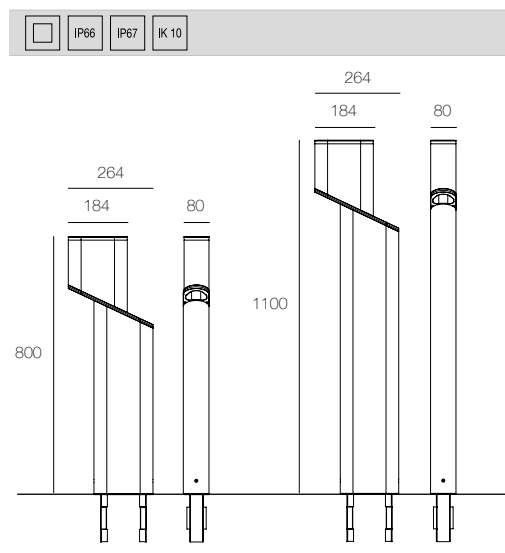


STILO BOLLARD

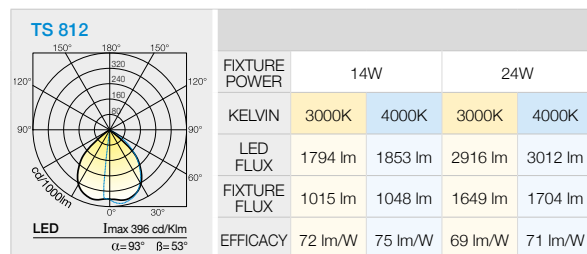
PATH

Direct emission LED bollard. Powder coated in ferrite finish anodized extruded aluminium body and die-cast aluminium optical unit. Ultra flat transparent methacrylate protective screen. Comes with 316 grade stainless steel fixing pegs and type 304 stainless steel anti-theft screws (special key supplied). Powder coated in ferrite finish 316 grade stainless steel body for ground installation. Watertight optical unit with an IP68 plug for rapid connection to the driver. The driver can be accessed and inspected easily thanks to the plug & light fitted in the fixture. IP68 integrated electronic power supply. Driver box fitted with IP68 watertight connectors driver and pre-cabled with 1m H07RN-F (2x1,5mm²) cable. A DALI version can be supplied on request.

220-240V 50/60Hz



LED	LED COLOUR	HEIGHT	KG	△	COD.
12W	ww 3000K	800 mm	7,0	TS 812	1E2863
12W	nw 4000K	800 mm	7,0	TS 812	1E2864
21W	ww 3000K	1100 mm	8,0	TS 812	1E2861
21W	nw 4000K	1100 mm	8,0	TS 812	1E2862



ACCESSORIES

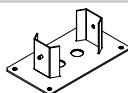


Plate for installing in the ground

[1E2564](#)

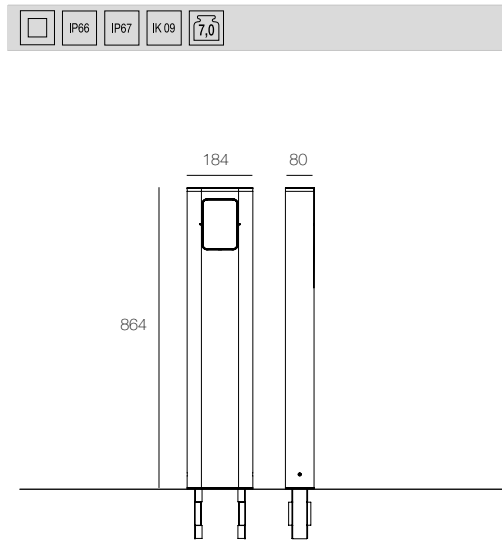
TORX L-KEY
(features TORX HEAD, TX 30)

[1E2495](#)

RAISED

Asymmetric emission LED bollard. Powder coated in ferrite finish anodized extruded aluminium body and die-cast aluminium optical unit. High luminous efficiency pure aluminium reflector. Ultra flat sand blasted methacrylate protective screen. Floor washer version complete with anti-glare grid integrated. Comes with 316 grade stainless steel fixing pegs and type 304 stainless steel anti-theft screws (special key supplied). Powder coated in ferrite finish 316 grade stainless steel body for ground installation. Watertight optical unit with an IP68 plug for rapid connection to the driver. The driver can be accessed and inspected easily thanks to the plug & light fitted in the fixture. IP68 integrated electronic power supply. Driver box fitted with IP68 watertight connectors driver and pre-cabled with 1m H07RN-F (2x1,5mm²) cable. A DALI version can be supplied on request. A DALI version can be supplied on request.

220-240V 50/60Hz



LED	LED COLOUR	OPTIC	△	COD.
21W	WW 3000K	FLOOR WASHER	TS 836	1E2540
21W	NW 4000K	FLOOR WASHER	TS 836	1E2865
33W	WW 3000K	WALL WASHER	TS 813	1E2542
33W	NW 4000K	WALL WASHER	TS 813	1E2866

TS 813		TS 836																															
	<table border="1"> <tr><td>FIXTURE POWER</td><td colspan="2">37W</td></tr> <tr><td>KELVIN</td><td>3000K</td><td>4000K</td></tr> <tr><td>LED FLUX</td><td>3883 lm</td><td>4011 lm</td></tr> <tr><td>FIXTURE FLUX</td><td>2374 lm</td><td>2452 lm</td></tr> <tr><td>EFFICACY</td><td>64 lm/W</td><td>66 lm/W</td></tr> </table>	FIXTURE POWER	37W		KELVIN	3000K	4000K	LED FLUX	3883 lm	4011 lm	FIXTURE FLUX	2374 lm	2452 lm	EFFICACY	64 lm/W	66 lm/W		<table border="1"> <tr><td>FIXTURE POWER</td><td colspan="2">24W</td></tr> <tr><td>KELVIN</td><td>3000K</td><td>4000K</td></tr> <tr><td>LED FLUX</td><td>2835 lm</td><td>2928 lm</td></tr> <tr><td>FIXTURE FLUX</td><td>1341 lm</td><td>1385 lm</td></tr> <tr><td>EFFICACY</td><td>56 lm/W</td><td>58 lm/W</td></tr> </table>	FIXTURE POWER	24W		KELVIN	3000K	4000K	LED FLUX	2835 lm	2928 lm	FIXTURE FLUX	1341 lm	1385 lm	EFFICACY	56 lm/W	58 lm/W
FIXTURE POWER	37W																																
KELVIN	3000K	4000K																															
LED FLUX	3883 lm	4011 lm																															
FIXTURE FLUX	2374 lm	2452 lm																															
EFFICACY	64 lm/W	66 lm/W																															
FIXTURE POWER	24W																																
KELVIN	3000K	4000K																															
LED FLUX	2835 lm	2928 lm																															
FIXTURE FLUX	1341 lm	1385 lm																															
EFFICACY	56 lm/W	58 lm/W																															

CHROMATIC FILTERS		
	Red	1E3040
	Green	1E3041
	Blue	1E3042
	Yellow	1E3043
	Magenta	1E3044

ACCESSORIES		
	Plate for installing in the ground	1E2564
	TORX L-KEY (features TORX HEAD, TX 30)	1E2495

CHIODINO

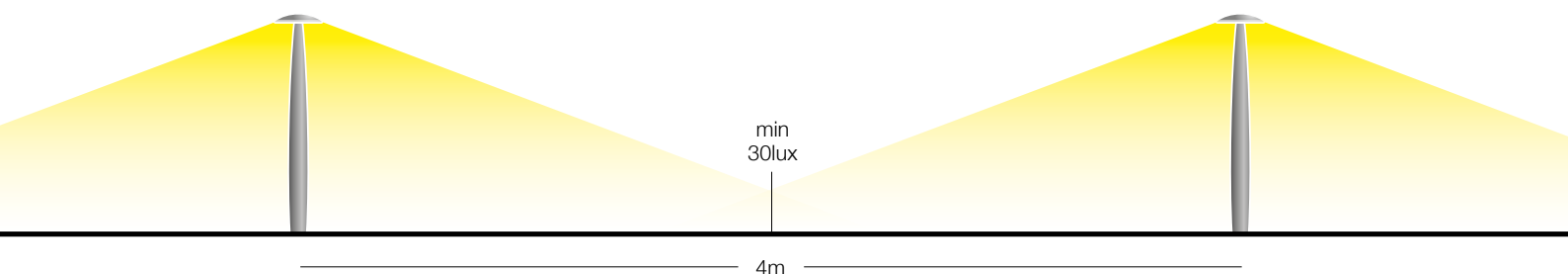
LED PROFESSIONAL BOLLARD

LED bollard with sophisticated performance and original design. From the world of Targetti's attentive research comes CHIODINO, the new, LED technology bollard. Ideal for public use, thanks to its resistant sturdy construction, the bollard's appealing, seductive design makes it a popular private option too. Strong, attractive and environmentally friendly, CHIODINO zeroes above horizon emissions in compliance with all national and international light pollution laws.



EVEN, WIDE-RANGING LIGHT DISTRIBUTION

Of all the bollards on the market, CHIODINO excels for the quality of its light emission. Its double volute reflector, specifically designed by the Targetti Research and Development Department, gives a special depth to the diffusion of light in the environment. Light distribution is unusually even and wide-ranging, with no contrasts and an ample radius that allows the devices to be spaced further apart. This means savings can be made in the number of devices installed and in the absorbed power consumed. With an interval of three metres between one fixture and the next, the light never drops below 70lux to assure a perfectly uniform effect. With an interval of four metres between one fixture and the next, the light never drops below 30lux.



STURDY, VANDAL-PROOF DESIGN

If CHIODINO's original design flirts with private and residential environments, its sturdy strength makes it ideal for the public sphere too, as in any urban lighting project a long-life design is a fundamental requirement. Despite its sleek and slender shape, the bollard is sturdy and highly knock-resistant, demonstrated by the IK10 rating of its ultra-flat screen and construction materials.

The head is made of die-cast aluminium, whereas the stem is a single-piece of aluminium shaped by means of a special conification process. The fixing rod is made of stainless steel, as are the vandal-proof screws with which the device is anchored to the ground.

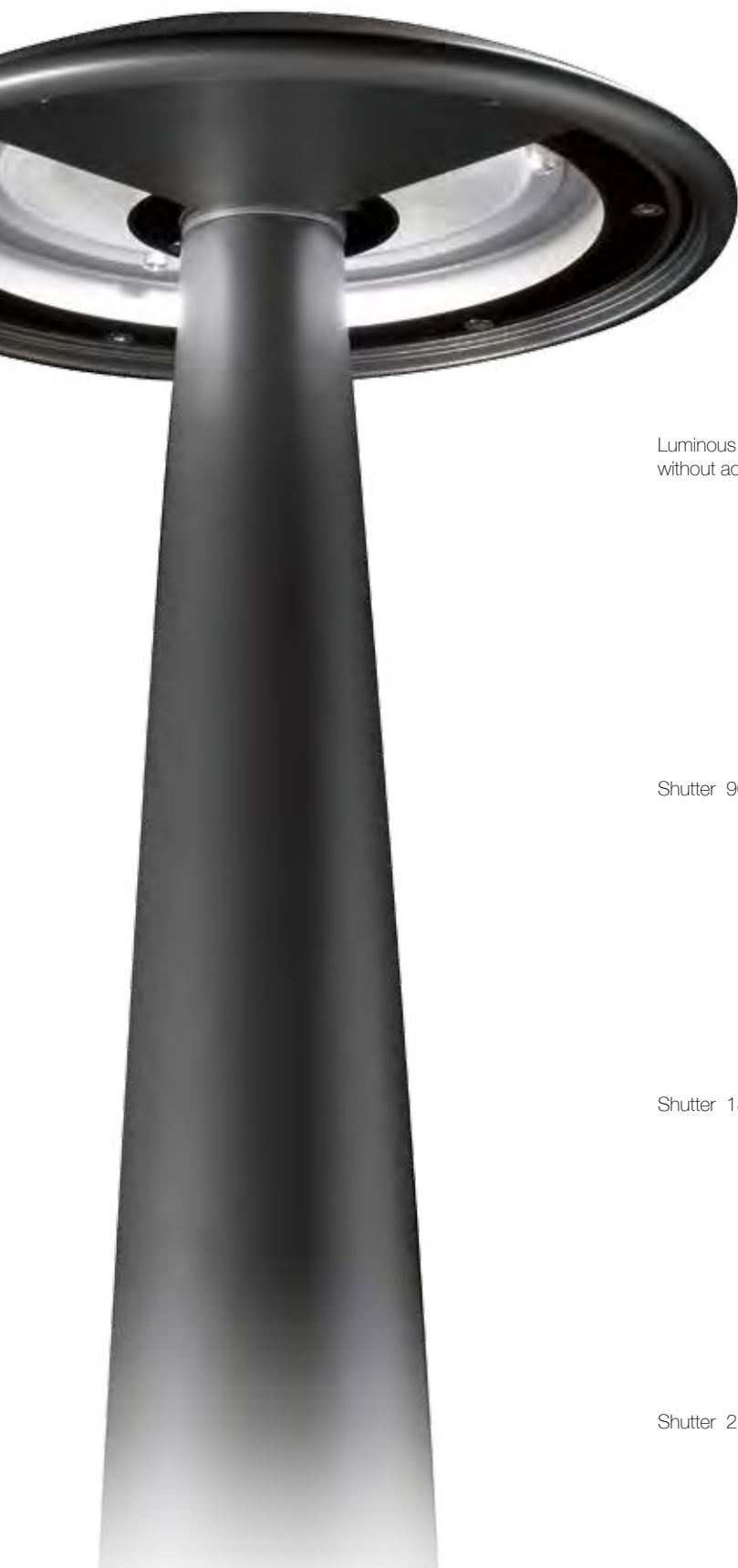
ZERO CANDLES OVER THE HORIZON

Thanks to its special, perfectly flat emission screen, the new Targetti bollard takes above horizon emissions to 0cd/klm in compliance with all national and international light pollution laws. This makes it the ideal bollard for public-urban contexts where anti-pollution regulations are particularly strict. Despite its zero light emission above 90°, the CHIODINO lights the space around it in a 360° radius, and with no shadows whatsoever for a diameter of approximately 6 metres.



CHIODINO

The extraordinary sharpness of this light effect is remarkable, even if optional dark shutters are fitted. The light is always perfectly distributed, harmonious and with no visible break or unpleasant shadow effects between one bollard and the next. In fact, the CHIODINO bollard is perfect for lighting parts of the garden or tracing the progress of winding paths or lanes, and is the ideal solution for any context in which light is used to denote space.



Luminous emission
without accessories



Shutter 90°



Shutter 180°



Shutter 270°

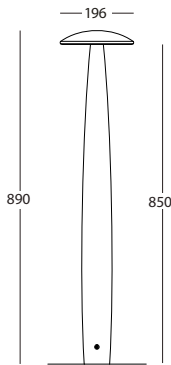






LED

Radial-emission LED bollard.

Tapered, anodized aluminium body and die-cast anodized head, both powder painted with a ferrite finish. The tapered shape of the fixture's body reduces the build up of dust and dirt. Cusp reflector made of matt finish aluminium. Ultra flat, transparent, polycarbonate. Complete with AISI 316L stainless steel fixing rod and A2 stainless steel vandal-proof screws (special wrench included). Complete with integrated electronic power feeder. A water resistant optic unit with an IP68 plug for rapid connection with the driver. The driver is easy to access and inspect thanks to the plug & light connection mounted on the device. Pre-wired with a 1m long H05RN-F (2X1mm²) cable.

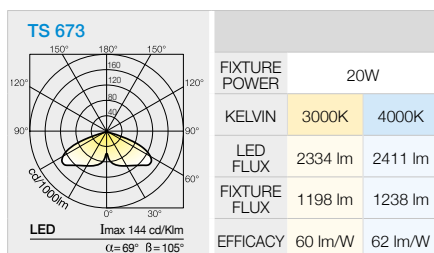
220-240V 50/60Hz



LED 	LED COLOUR		CODE
17W	 3000 K	TS 673	1E2967
17W	 4000 K	TS 673	1E2968

ACCESSORIES

	Shutter 90°	Emission 2x90° or 270°	1E2970
	Shutter 180°	Emission 180°	1E2971
	Shutter 270°	Emission 90°	1E2972
	Plate for installing in the ground	Powder coated ferrite finish 316L grade stainless steel. Compatible with 10mm and 23mm fixing rods.	1E2969
	TORX L-KEY	Features TORX HEAD, TX 30	1E2495



EDEN

RADIAL EMISSION BOLLARD FOR FLUORESCENT, METAL HALIDE LAMPS AND WHITE LED.

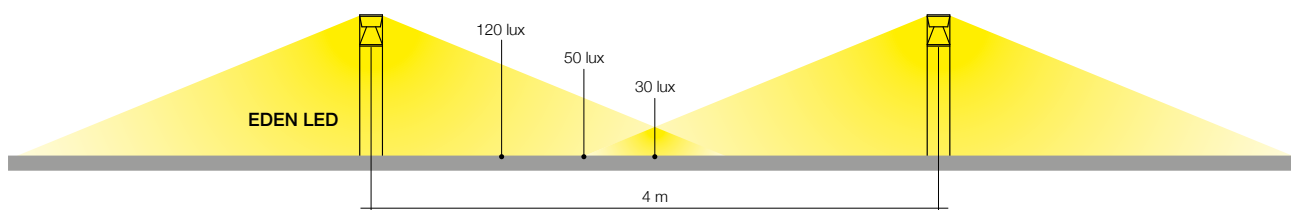
"GREEN" PHILOSOPHY

Also available in a LED version, EDEN is a direct radial light fixture. Its aluminium optical head and its transparent polycarbonate anti-vandal diffuser make it strong and impact-resistant. Upwards light emission is lower than 0.6% in compliance with the recent standards regarding light pollution.



The Groove - Loc. Pian dell'Isola - Incisa in Val d'Arno (FI) Italy.
Project: Eng. Luciano Marradi - Arch. Roberto Fabbri
Photography: Alessandro Maurelli, Marco Bartolozzi

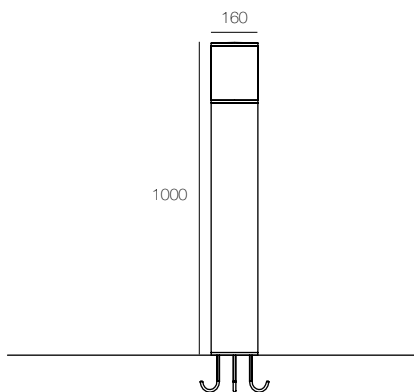
LED version enables to illuminate pedestrian areas and lanes assuring high illumination values and extreme homogeneity. The special reflector with double volute section allows a 360° emission with excellent levels of uniformity, for applications in open spaces such as squares and gardens as well as in pedestrian and cycle lanes where glare control is essential.



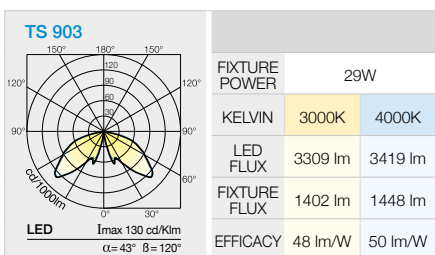
LED

Direct radial light fixture for LEDs. Extruded aluminium body. Vandal-proof anti UV clear polycarbonate diffuser, 40 joule shock resistant. Die cast aluminium optical assembly. Black optic group for luminance control. Polished aluminium ring for total source shielding. Equipped with fixing rods for anchoring the fixture to the ground. Complete with electronic dimmable power supply with phase cut-off dimmer IGBT e TRIAC. Pre cabled with 1m H07RN8-F (2x1,5mm²) cable.

220-240V 50/60Hz



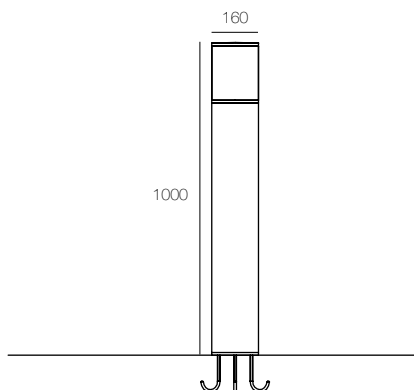
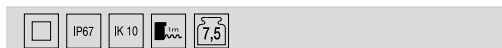
LED	FINISHING	COLOUR LED	DIMMING		CODE
25W	ferrite	WW 3000K	IGBT / TRIAC	TS 903	1E2973
25W	ferrite	NW 4000K	IGBT / TRIAC	TS 903	1E2974
25W	black	WW 3000K	IGBT / TRIAC	TS 903	1E2307
25W	black	NW 4000K	IGBT / TRIAC	TS 903	1E2308



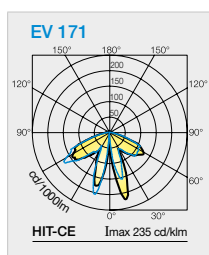
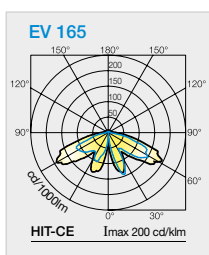
EDEN

DISCHARGE

Direct radial light fixture for metal halide lamps.
Extruded aluminium body. Vandal-proof anti UV clear polycarbonate diffuser 40 joule shock resistant. Die cast aluminium optical assembly. Polished aluminium ring for total lamp shielding. Complete with fixing pegs for ground installation. Complete with magnetic ballast. Quick and easy relamping with direct access to the lamp. Precabled with 1m H07RN-F (2x1,5mm²) cable. **230V 50Hz**

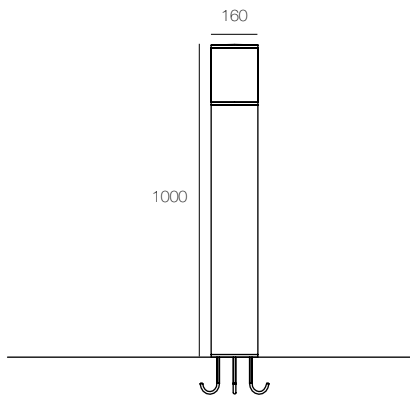
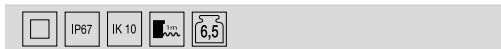


HIT-CE		FINISHING	T	△	CODE
G12	35W	ferrite	55°C	EV 165	1E2975
	35W	black	55°C	EV 171	1E0514
	70W	ferrite	75°C	EV 165	1E2976
	70W	black	75°C	EV 171	1E0515

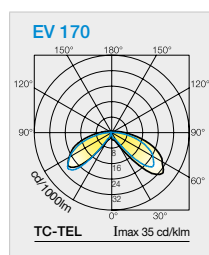
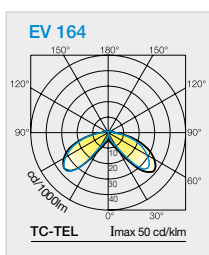


FLUORESCENT

Direct radial light fixture for compact fluorescent lamps. Extruded aluminium body. Vandal-proof anti UV clear polycarbonate diffuser 40 joule shock resistant. Die cast aluminium optical assembly with anti-glare system consisting of aluminium radial louvers. Complete with fixing pegs for ground installation. Complete with electronic multipower power supply. Quick and easy relamping with direct access to the lamp. Precabled with 1m H07RN-F (2x1,5mm²) cable.
220-240V 50/60Hz



TC-TEL		FINISHING	T 26W	T 32W	T 42W	△	CODE
GX24 q-4	26/32/42W	ferrite	40°C	45°C	50°C	EV 164	1E2977
	26/32/42W	black	40°C	45°C	50°C	EV 170	1E0517



STRIP LED

LED BELT



Leaning Tower of Pisa - Italy

FLEXIBLE LIGHTING PROFILES WITH LED

VERSATILE RANGE

LED luminous strips, supplied in 5 mt. reels for indoor and outdoor use and distinguished for their high luminous efficacy, the dimmable option, zero maintenance and zero UV emissions; available in warm white (3000K) up to 77W and in the 50W RGB version.



MAXIMUM FLEXIBILITY

Its compact size, ductility and different power allows LEDBELT to create a luminous feature (up to 1200lm/m) highlighted by a soft halo of light that can be shaped according to the design requirements: cove lighting, lighting of niches, pathways, etc. The 24V power supply also allows creating longer installations without having to worry about voltage drops.

EASY INSTALLATION

The silicone version with adhesive backing is quick and easy to assemble, thanks to 3M® bioadhesive film or the included silicone clips. All the profiles are pre-wired and come with IP connectors for fast and safe wiring. Each strip can also be cut to length at regular intervals of 6 LEDs. The product is supplied with a special kit for restoring the waterproof properties of the profile. This kit is also available separately as an accessory.



ALUMINIUM PROFILES FOR INSTALLATION ON SIGHT

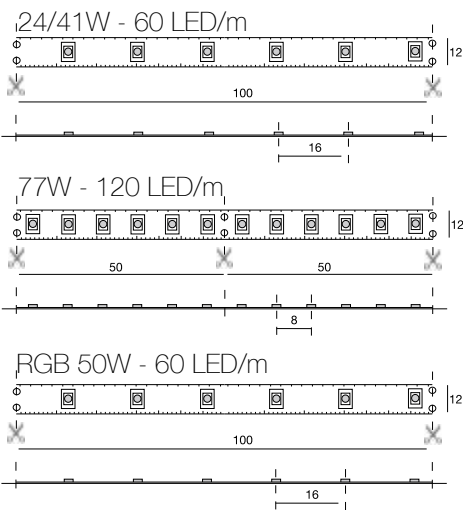
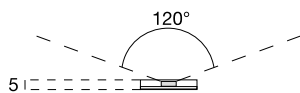
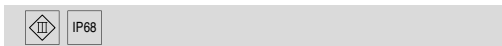
A complete range of rigid profiles in anodised aluminium available as accessories, increases the flexibility of the LED system offering many different installation possibilities, e.g. countertop, recessed, on sloping surfaces. The profiles come with a white diffusive screen and are available in two different finishes - white and aluminium to be used in any type of setting or context.



LED BELT

LED light strip. Flexible PVC profile, supplied in 5 meter reels with 120 LEDs/m (77W versions) and 60 LEDs/m (24W and 41W), equipped with wires and connectors on both ends. Available in the RGB Version with 60LED/m (50W). Front-emitting LEDs with a projection angle of 120° available with IP68 protection. The strips can be installed using 3M® bioadhesive film or silicone fixing clips (supplied). For the visible installation, the rigid profiles are also available as accessories. The strip can be cut to length with a pair of scissors at intervals of 6 LEDs restoring the waterproof properties with the caps supplied. Each reel comes with an extra kit of male-female connectors for cutting the light profile in two segments. Maximum length for single feeding 5 meters. To be fed with 230V/24V-DC electronic transformer available as an accessory. Dimming is possible by means of the special Kit available as accessory. Suitable for outdoor and permanent underwater installation.

24V-DC

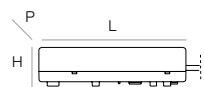


LED	VOLT	LIGHT BEAM APERTURE	LED COLOUR	△	CODE
24W	24V	120°	WW 3000K	TS 747	1T3582
41W	24V	120°	WW 3000K	TS 747	1T3583
77W	24V	120°	WW 3000K	TS 747	1T3584
50W	24V	120°	RGB	TS 747	1T3585

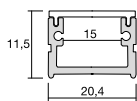
REMOTE POWER SUPPLY		LxHxP	CODE
50W	24V 220-240 50/60Hz	165x64x22 mm <input type="checkbox"/> IP20	1T3726
75W	24V 220-240 50/60Hz	225x47x38 mm <input type="checkbox"/> IP67	1T3586
100W	24V 110-240 50/60Hz	230x87x43 mm <input type="checkbox"/> IP67	1T3587
200W	24V 110-240 50/60Hz	238x63x43 mm <input type="checkbox"/> IP67	1T3588

CONTROLLER		
2x120W	Controller DALI 2x 5A 12/24V	1T3589
240W	Controller 1-10V 12/24V active/passive 1x 10A	1T3590
144W/ch	Controller DMX RGB 6A/ch 12/24V	1T3591

- 24W Versions – maximum 15 meters can be connected to the same power supply
- 41W Versions – maximum 10 meters can be connected to the same power supply
- 77W Versions – maximum 5 meters can be connected to the same power supply
- Two LED strips of 77W can be connected in parallel to the same power supply

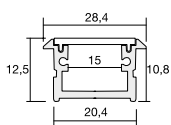


ACCESSORIES



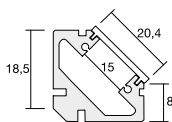
Rigid profiles in anodised aluminium for countertop installations complete with white diffusive plastic cover.

Profiles for countertop installations complete with diffusive cover. 1000 mm	Aluminium	1T3594
Profiles for countertop installations complete with diffusive cover. 2000 mm	Aluminium	1T3705
Kit containing 2 profile closing caps + 2 clips	Aluminium	1T3600
Profiles for countertop installations complete with diffusive cover. 1000 mm	White	1T3595
Profiles for countertop installations complete with diffusive cover. 2000 mm	White	1T3708
Kit containing 2 profile closing caps + 2 clips	White	1T3601



Rigid profiles in anodised aluminium for recessed installations complete with white diffusive plastic cover.

Profiles for recessed installations complete with diffusive cover. 1000 mm	Aluminium	1T3596
Profiles for recessed installations complete with diffusive cover. 2000 mm	Aluminium	1T3706
Kit containing 2 profile closing caps + 2 clips	Aluminium	1T3602
Profiles for recessed installations complete with diffusive cover. 1000 mm	White	1T3597
Profiles for recessed installations complete with diffusive cover. 2000 mm	White	1T3709
Kit containing 2 profile closing caps + 2 clips	White	1T3603



Rigid profiles in anodised aluminium for sloping installations (45°) complete with white diffusive plastic cover.

Profiles for sloping installations (45°) complete with diffusive cover. 1000 mm	Aluminium	1T3598
Profiles for sloping installations (45°) complete with diffusive cover. 2000 mm	Aluminium	1T3707
Kit containing 2 profile closing caps + 2 clips	Aluminium	1T3604
Profiles for sloping installations (45°) complete with diffusive cover. 1000 mm	White	1T3599
Profiles for sloping installations (45°) complete with diffusive cover. 2000 mm	White	1T3710
Kit containing 2 profile closing caps + 2 clips	White	1T3605

Cut kit IP68* (kit for 4 cuts with caps and resin)

1T3592

* Not suitable for RGB version.

TS 747	LED POWER	24.5W	41.5W	77.2W	50.3W
	KELVIN	3000K	3000K	3000K	RGB
	LED FLUX	1854lm	2917lm	5402lm	1256lm
	FIXTURE FLUX	1854lm	2917lm	5402lm	1256lm
	LED EFFICACY	76 lm/W	70 lm/W	70 lm/W	25 lm/W
	IMAX	612cd	962cd	1782cd	414cd

The rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficacy. The information provided by the catalogue should therefore be referred to the date of publication - for regularly updated information please visit the site www.targetti.com

PROGRAMMING & CONTROL SYSTEM

OUT

DO

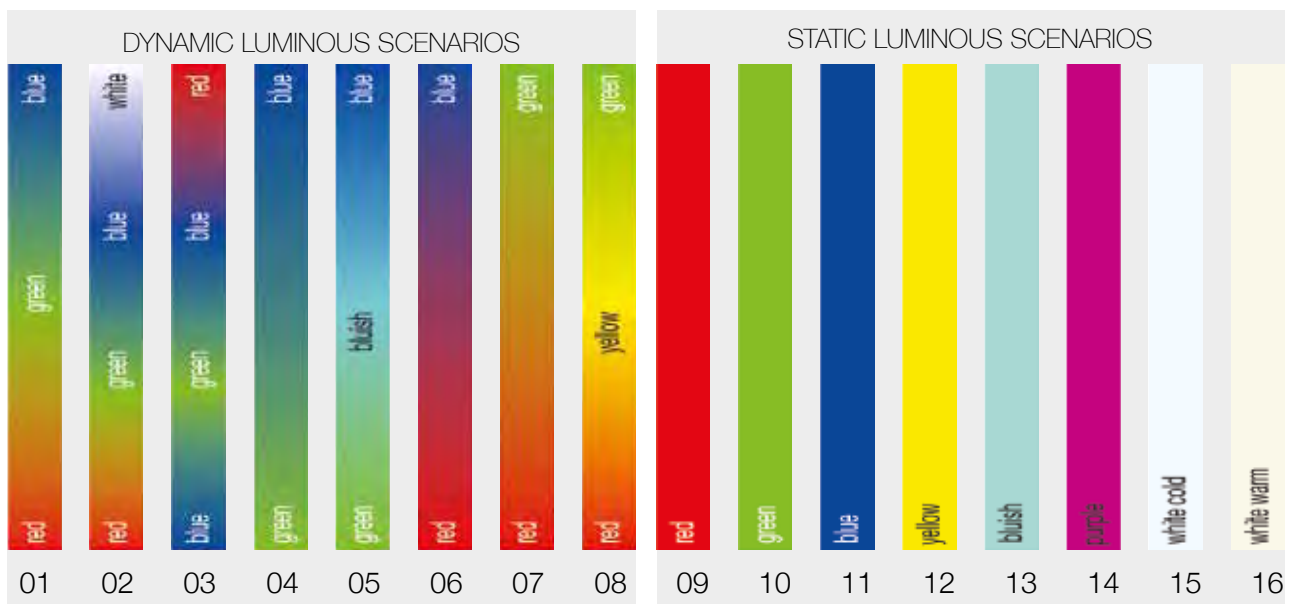
OR

"Colour is the way light dances", wrote Goethe.

With digital light, time and colour become part of the dance of light and invent fascinating luminous choreographies with a strong dramatic and connotative impact. Design that invests in the chromatic and dynamic qualities of light interprets its extraordinary ability to express, in its changing passage, both communication and emotion.



EASY RUN MENU



DYNAMIC LIGHT SOLUTIONS FOR ARCHITECTURAL APPLICATIONS

LED with the best colour rendering and efficiency available on the market are the sources used for fixtures. By using these fixtures installation providing high emotional value can be created and, at the same time, the operative cost savings and eco-sustainability made available by LEDs are exploited.

The additive RGB colour-mixing system is the technique used to modulate light colour, taking advantage of the LED capability to generate more than 16 millions different colours through the combination of the primary Red (R) Green (G) Blue (B).

The latest generation of "high power" LED or "full colour" RGB LED are used in Targetti's luminaries; with "full colour" LED's colour mixing is performed right inside the LED package and light emission is perfectly homogeneous, even at a very short distance.

The additive colour-mixing technique is also the one used for fixtures with CTC (Colour Temperature Control) function, the difference being that only white and amber are used as primary colours. By mixing these LEDs all colour temperatures in the range 2700K – 5700K can be achieved.



FIXTURE POWER SUPPLY

RGB LED fixtures need to be fed by special PWM (Pulse Width Modulation technology) drivers, a technology allowing separate triggering of diodes luminous intensity.

In the most powerful RGB fixtures, power supply electronics is combined with the one required for DMX data control; these fixtures are self-standing and are defined "intelligent". Smaller RGB LED fixtures need to be fed by an external driver, named SECS BOX. This driver can feed and control numerous fixtures at the same time.



AUTOMATIC OPERATION

To programme colour-changing light scenarios an external device is usually needed.

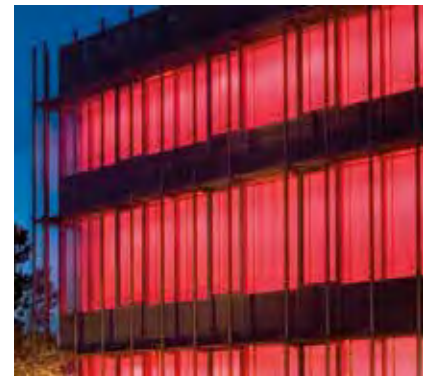
Thanks to the "Easy-Run-Menu" function the so called "intelligent" RGB fixtures and the SECS drivers can operate automatically performing dynamic colour sequences without any external controller.

Through internal dip-switches it is possible to select among 16 different chromatic sequences:

- 8 static colour scenarios
- 8 dynamic colour sequences
- 5 different playback speed values (30sec, 80sec, 160sec, 320sec, 740sec).

„MASTER/SLAVE” - CONFIGURATION

RGB Fixtures can be configured in a master/slave configuration where a virtually unlimited number of fixtures is controlled by a main one. In case of "non intelligent" fixture the master/slave configuration is achieved through a SECS BOX.



EXTERNAL CONTROL THROUGH DMX 512 - PROTOCOL

For control and programming RGB uses the standard DMX512 protocol, the most popular and well-tested protocol for intelligent lighting control.

This feature provides a total compatibility with similar devices available on the market and a great variety of accessories at a reasonable cost.

DYNAMIC LIGHTING CONTROL

RGB line includes digital devices for dynamic lighting control through DMX protocol. These devices are characterized by very intuitive user interfaces and by a very simple software. My Scenario is compatible with Windows operating systems, and is therefore suitable for the most different architectural applications, from the most simple to the most complex one.

SECS 75/36 CONTROL SYSTEMS

Sistemi di controllo e alimentazione SECS Scene Effect Control System.

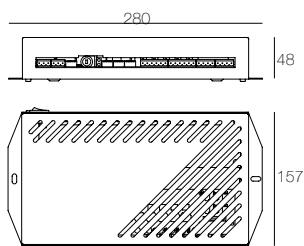
SECS 75 and SECS 36 drivers combine, in a single unit, the following 3 functions: power supply of RGB LED devices, playback of pre-set colour sequences and DMX interface for external control devices.

The SECS "Easy-Run-Menu" function allows to playback of colour-changing light scenarios that are pre-stored into the driver, without the use of any external driver:

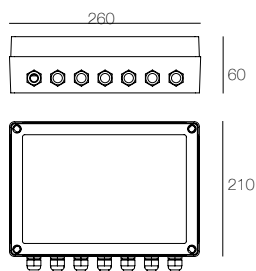
- 8 static colour scenarios
- 8 dynamic colour sequences
- 5 different playback speed values
- Start/Stop of the selected scenario through a remote switch.

SECS 75 and SECS 36 drivers can also be controlled through DMX 512; in this case:

- DMX address (from 1 to 511) can be configured by using dip-switches
- 3 channels mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only
- 6 channels mode: the outputs are divided in 2 R-G-B groups, each one controlled by 3 different DMX channels
- DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch
- a DMX output is available for connection to other DMX devices.



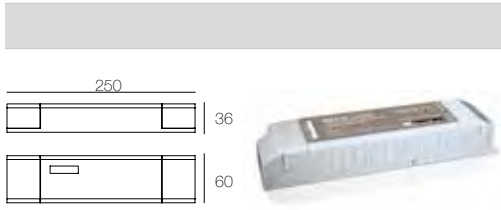
SECS 75	VERSION	CODE
75W output	IP20	1T1827



SECS 75	VERSION	CODE
75W output	IP67	1E1401

TECHNICAL FEATURES

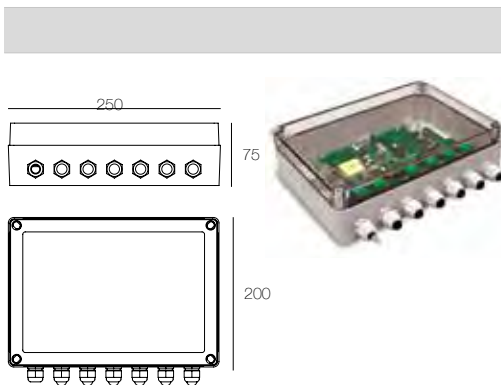
- Power supply: 100-240 VAC, 50-60 Hz with automatic adjustment and short circuit protection
- Max. output power: 75W
- Output voltage: maximum 24 VDC
- Driving current can be selected using dip-switches: 350 mA (for 1W leds) or 700 mA (for 3W leds)
- Controllable led devices: RGB led with common anode (+24 VDC, 4 wires) and power RGB led (1-3W, 6 wires)
- Led control mode: Pulse Width Modulation (PWM)
- Number of devices controlled: proportional to the wattage absorbed by the devices
- Resolution: 8 bytes with 256 levels equal to 16.770 million colours
- Digital interface: RS485 with opto-isolator and integrated buffer, compatible with USITT DMX 512 (1990) protocol
- Input: socket for DMX signal, over-voltage protection
- Outputs (modular terminal boards) that can be used simultaneously:
 - 2 outputs for constant voltage led devices
 - 2 outputs for constant current
 - 1 DMX output (over-voltage protection)
- Operating configuration: through dip-switches
- Internal diagnostics: led signalling correct or erroneous DMX connection,
- Firmware updates: by PC using DMX input
- IP20 version: weight 1.25 Kg
- IP67 version: weight 1.5 Kg
- Operating temperature: -20° +50°C



SECS 36	VERSION	CODE
35W output	IP20	1T2245

TECHNICAL FEATURES

- Power supply: 90-240 VAC, 50-60 Hz with automatic adjustment and short circuit protection
- Max. output power: 35W
- Power factor 0.9 (PFC)
- Led control mode: Pulse Width Modulation (PWM)
- Output voltage: maximum 30 VDC, SELV
- Driving current 350 mA
- Controllable devices: power RGB led (1-3W, 6 wires).
- Number of devices controlled: 9 LED for colour max.
- Resolution: 8 bytes with 256 levels equal to 16.770 million colours
- Digital interface: RS485 with opto-isolator and integrated buffer, compatible with USITT DMX 512 (1990) protocol
- Input: socket for DMX signal, over-voltage protection
- Outputs
 - 2 outputs for constant current LED devices
 - 1 DMX output with over-voltage protection
- Operating configuration: through dip-switches
- Internal diagnostics: led signalling correct or erratic DMX connection
- Weight 1.25 Kg
- Operating temperature: -20° +50°C
- External control through DMX512 protocol



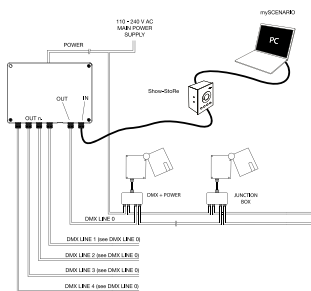
OPTOSPLITTER	VERSION	CODE
4 ch	IP66	1T2266

Device that has to be used for splitting a DMX 512 line to create up to four new branches, each fully optoisolated from the others. Optical isolation of each line increases transmission reliability, since it eliminates any possibility of ground looping. OptoSplitter 4ch also amplifies the DMX signals in output; this permits extending the transmission length to the maximum recommended by the DMX standards; each of the new DMX lines may be used as an independent line and each can handle up to 32 devices (not buffered).

ELECTRICAL AND TECHNICAL FEATURES

- Power supply: 100-240 V AC, 50-60 Hz input (built-in)
- Power consumption: 5W
- Main switch for switching the device ON/OFF
- Input: 1 input for DMX 512 - USITT 1990 signal
- Outputs: 4 optoisolated, amplified DMX 512 outputs (3 kV)
- 1 amplified output for daisy-chain connection
- Connectors: modular terminal blocks inside the housing
- DIP switch: for inserting terminal resistor at end DMX line
- Protection classification: IP66
- Housing: Plastic material with input and output cable glands
- Complete with 1.5-meter power cord
- Ambient temperature for operation: -20°C to +50°C
- Dimensions: 250 x 200 x 75 mm
- Weight: 0.85 kg

TYPICAL WIRING LAYOUT



FEEDING CABLE

6-pole cable for driver output connection to Constant Current LEDs **1E1713**

Multifunction cable for outdoor use (DMX + power supply) **1E1715**

Standard DMX cable (1 twisted pair + shield, 120Ohm) **1T1932**

DMX 512 WIRELESS TECHNOLOGY



DMX Wireless technology can be transmitted the control signal to the lighting fixtures, without cables. Transmission is handled by a radio transmitter operating on a reserved frequency that is license-free worldwide.

It is able to transmit a signal:

- from one building to another;
- from a central control room to multiple installations in different positions, distant the ones from the others;
- from the inside of a building to the exterior, the facade, the roof, or a surrounding;
- in archaeological contexts in which digging trenches for laying.

A “DMX 512 Wireless” system requires that the control unit be equipped with a radio transmitter (external or built-in) and that a radio receiver is available in proximity to each DMX device or group of fixtures.

The product range includes a series of devices/fixture incorporating DMX 512 wireless technology, having the following characteristics in common:

- the signal is transmitted via radio, using a protocol and components derived from the GSM mobile telephony standard;
- the frequency used is FCC approved and is license-free throughout the world, including Japan and the USA;
- the devices apply FHSS (Frequency Hopping Spread Spectrum) technology;
- installation is the “plug-and-play” type; that is, there is no need to attribute IP addresses to the fixtures, which automatically recognize the transmitter by which they are controlled;
- the radio signal can be transmitted in a range up to 500 meters (1700 feet) in free space and through material such as walls, glass, and metals;
- the transmission range can be extended if a signal repeater is used;
- multiple transmitters may be used in the same area because they can be individually to control a single group of fixtures without creating reciprocal interference;
- the radio protocol can accept a return data signal (for advanced protocols such as DMX 512A or RDM).

WIRELESS OPTOSPLITTER

CODE

4 ch with Wireless receiver

1E1906

A device that operates as a radio receiver with up to 4 wired DMX lines in output.



TECHNICAL FEATURES

Technical feature of this unit are identical to the ones of the normal optosplitter (see pag. 207) with the following additional features:

- built-in radio receiver module
- built-in antenna
- RLS (Radio Link Status) monitoring system and LOG command (for transmitter linkage)
- built-in power supply for all components, including radio section
- protection grade: IP65

WIRELESS DMX - TRANSMITTER

CODE

Wireless transmitter with 1 DMX input

1E1929

This device receives a DMX-IN signal via cable. It can be installed at any point in a DMX line and from that point on it transmits the signal via radio. For example, connecting the device directly to the output of any DMX512 controller transforms it into a wireless controller.



TECHNICAL FEATURES

- built-in radio module transmitting on the 2.45 GHz license-free radio frequency
- one radio output with external antenna
- capability to control a DMX universe and to address individually 512 radio receivers
- RLS (Radio Link Status) LED system for monitoring quality of DMX transmission
- LOG key for secure receiver linkage
- transmission range: 5000 meters in open air
- built-in power supply: 90-250V AC, 50/60 Hz
- housing in plastic material, for outdoor use (IP65)
- dimensions: 175 x 125 x 76 mm
- weight: 0.2 kg

Systems of digital devices designed to control dynamic lighting fixtures and to programme dynamic light scenarios and sequences.

The system consists of an intuitive software, compatible with Windows operating systems, able to control different hardware devices having the following functions:

- recording colour-changing scenarios set by the operator
- allowing the selection among the multiple scenarios recorded
- transmitting the control signals to the lighting system



The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.

The software provides a graphic simulation of the operating keys of lighting controller; the patching function allows to assign the DMX control channels to the fixtures by using the internal library. The Colour Manager function allows a quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.

The built-in calendar allows a full time scheduling of show playback (month, day, hour, minutes, recurring events). The programmed light shows can be transferred to the different control interfaces.

my-SCENARIO Show Store



my-SCENARIO Show Store

CODE

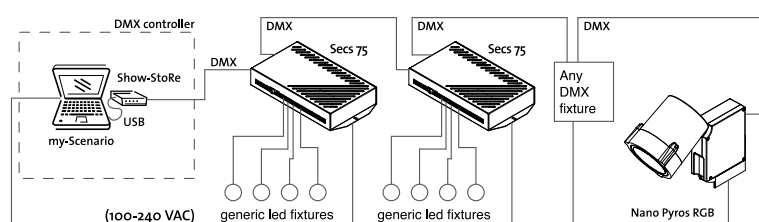
Software + USB interface

1T1898

INTERFACE TECHNICAL FEATURES

- Storage, via USB, of light-shows created through mySCENARIO software
- Automatic stand-alone operation with non need of a PC or any other external driver
- Keys for scrolling through programmed sequences
- Digital display to show the number (1-99) of active scene
- Led indicators for ON/OFF status
- Three poles XLR output – DMX signal to lighting fixtures
- XLR input for daisy chain connection to other identical unit
- Management of 512 DMX channels (512 parameters to be programmed separately)
- Memory dedicated to light shows proportional to number of connected channels (2877 with 20 channels; 2877 with 60 channels; 355 with 512 channels);
- Internal clock for sequences triggering
- External power supply 100-240 VAC, 50-60 Hz in case of use without PC

TYPICAL WIRING LAYOUT



COLOR JOKER CONTROL SYSTEM

Controller for colour-changing lighting fixtures. Color Joker is a wall-mounted lighting controller, featuring clean and discreet design.

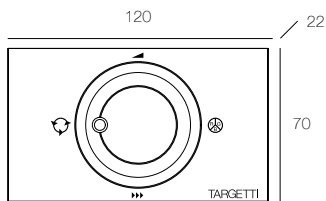
It can control DMX 512 colour-changing fixtures and requires no programming. Although it looks just like a normal household dimmer dial, simply by pressing and turning the Color Joker knob the static colour of the light emitted by the fixtures can be adjusted or one of the preset colour-changing dynamic effects can be selected from those stored in the memory.



The control knob expedites four functions:

- (1) selection of any static colour;
- (2) simultaneous dimming of all controlled fixtures;
- (3) selection of any of the 16 different colour-change sequences on the Easy-Run-Menu;
- (4) adjustment of colour transition speed.

The unit is equipped with four LEDs for run state display. The separate universal power supply, included as standard equipment, can be installed in a standard single (type 503) or multiple recessed wall box.



COLOR JOKER

CODE

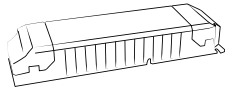
Interface

1T2400

INTERFACE TECHNICAL FEATURES

- Power supply: complete with 100-240VAC / 24VDC power supply
- Power consumption: 3W
- Housing in ABS, gray trim
- Output: DMX 512, 3 channels, single address 1
- Channel functions:
 - Channel 1 = Red colour intensity
 - Channel 2 = Green colour intensity
 - Channel 3 = Blue colour intensity
- Protection grade: IP20.
- Mechanically compatible with type "503" recessed wall box.
- External dimensions: 120 x 70 x 22 mm.
- Recess section depth: 15 mm.
- Weight: 500 g.

TECHNICAL DATA



ELECTRONIC BALLASTS FOR FLUORESCENT LAMPS

With the new electronic devices all the lamps power supply functions are fulfilled by a single electronic device that significantly reduces the size, the capacitor and starter functions having been built in.

Several advantages derive from the use of electronic ballasts:

- **Visual comfort/environmental comfort:**
 - No flickering of the lamp when it is switched on;
 - No stroboscopic effect;
 - No disturbance of magnetic induction;
 - Automatic switching on after replacing the lamp with preheating of the electrodes (no need to reset the network).
- **Cost of installation/maintenance:**
 - Optimal management of on/off cycle of sources resulting in increased lamp life (up to 50%);
 - Operation of a constant power source even in the face of fluctuations in line voltage resulting in longer lamp life;
 - No need for power factor correction, with considerable simplification of wiring.
- **System Safety:**
 - Automatic disconnection in case of failure or end of lamp life;
 - Power surge protection;
 - Low self-heating due to low power dissipation.
- **Energy Saving:**
 - Lower energy consumption for the same luminous efficiency (up to 30%).

Some lighting fixtures are also equipped with multi power electronic ballasts. These reactors allow the use of sources similar in type but with different wattages to meet specific project requirements. For the user it is sufficient to replace the source, then the reactor will automatically recognize the lamp wattage and adjust to the nominal electrical parameters required.

1-10V DIMMABLE ELECTRONIC BALLAST FOR FLUORESCENT LAMP

These electronic power supply devices are equipped with a power regulation function, controlled by means of an analogue interface, which allows adjustment of the luminous flux from 1 to 100% with linear variation. The ability to vary the light flux emitted from a source allows the end user to create different lighting effects according to different visual tasks, to subjective taste or in response to lighting performance as required by regulations (UNI EN 12464 -1). A dimmable electronic ballast represents not only a possibility for dynamic lighting solutions, but is essential to ensuring considerable energy savings in the use of a lighting system.

DALI DIMMABLE ELECTRONIC BALLAST FOR FLUORESCENT LAMPS

These electronic power supply devices are equipped with a power regulation function, controlled by means of a digital interface that uses a communication standard for electronic ballasts (DALI – Digital Addressable Lighting Interface) developed by the lighting industry and included in regulation EN 60929 - AC supplied electronic ballasts for tubular fluorescent lamps - Performance requirements. DALI dimmable electronic ballasts respond even more fully to the requirements of modern lighting for a system at the same time versatile and easy to use, based on few components (all DALI compatible) with minimal wiring to allow lighting control in different environments and in relation to different activities.

- The following are the main advantages of using dimmable ballasts with DALI interface:
 - Easy wiring without polarity of the two control lines;
 - Regulation of the light flux from 1 to 100% with logarithmic variation;
 - Addressing and control of lighting fixtures for individual fixtures or units;
 - Reprogramming of lighting fixtures with the simple redirection of units and/or groups without having to intervene on the system's wiring;
 - Light scenarios are directly stored inside the reactors with considerable savings in components;
 - Data remains stored even in case of prolonged failure of power supply;
 - Digital technology ensures interference-resistant communications;
 - Feedback of the DALI electronic ballast allows detection:
 - Lamp on/off
 - Broken lamp
 - Real luminous flux emitted by the fixtures

The use of DALI dimmable electronic ballasts allows the integration of advanced automation systems for lighting management with flexibility and overall system operation impossible to achieve with analogue electronic ballasts (1-10V) and with savings up to 50% (UNI EN 15232/2007: Impact of automation, regulation and technical management of buildings).

Some DALI dimmable electronic ballasts (only when specified in the catalogue) can even work in "Easy Dimm" mode. This function allows you

to adjust and/or turn on and off the lighting fixtures by acting directly on a button release for mains voltage.

- There are several features included in the “Easy Dimm” mode:
 - Regulation of the light flux from 1 to 100% with linear variation;
 - Automatic regulation of stored values;
 - Storage of starting values;
 - Maintenance of the stored values even in case of power supply failure.

ELECTRONIC POWER SUPPLY FOR EMERGENCY LIGHTING

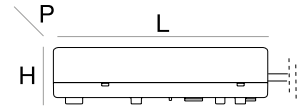
All emergency lighting fixtures in the TARGETTI Interior collection use Ni/Cd batteries and are manufactured according to safety standard CEI -EN 60598-2-22 - Particular Requirements - Luminaires for Emergency Lighting – which sets out the rules of construction and mode of operation of the lighting used for emergency lighting.

During the use in an emergency, which takes place when the mains voltage drops below a set value, the fixtures engage in less than 0.5 seconds, providing 50% of the declared luminous flux held within 5 seconds and the nominal flow in a continuous manner after 60 seconds (stand by autonomy time of 1 hour or 3 hours). Battery recharge time is 24h.

The regulation UNI EN 1838 - Application of lighting - Emergency lighting, defines emergency lighting as any type of auxiliary lighting capable of operating without the normal ordinary lighting, due to a sudden interruption of the mains power supply, due to electrical equipment failure, or in case of disruption by the energy supplier.

- **Emergency lighting** is subdivided into backup lighting and security lighting:
 - **Backup lighting** is only meant to enable the continuation or termination of ongoing activities by ensuring adequate levels of illumination;
 - **Safety lighting** is responsible for highlighting the escape routes and ensuring that they can always be identified and used with safety. The legislation introduces a further subdivision:
 - Security lighting of escape routes, designed to illuminate and properly signal all escape routes, guaranteeing the easy location and use of safety devices, such as fire fighting equipment. The illumination must not be less than 1 lux on the midline and 0.5 lux in a central band of half of its length. Exceptions are made for some situations where specific normative and legislative references require higher illumination values;
 - Anti-panic lighting, intended to avoid panic and to provide the illumination needed for people to reach a place from where an escape route can be identified. The minimum illumination is 0.5 lux on the ground over the entire area with the exclusion of perimeter of 500 mm;
 - Lighting of the areas where high-risk activities are carried out, intended to ensure the safety of those involved in processes or potentially hazardous conditions and to allow the appropriate procedures for completion of processes. Minimum illumination required is 10% of the ordinary (measured on the reference plane), and in any case higher than 15 lux.
- There are two different operating modes for fixtures operating in Emergency:
 - **Permanent emergency lighting.** The emergency light is on when the network is present and if the power supply falls below the limit set by regulations, it is automatically powered by an auxiliary power source (battery);
 - **Non-permanent emergency lighting.** The emergency light is off when the network is present and begins working automatically in the absence of the main network, absorbing energy from an auxiliary source.

ACCESSORY BALLASTS AND TRANSFORMERS



MAGNETIC BALLASTS POWER FACTOR CORRECTED FOR METAL HALIDE LAMPS

Power	LxHxP	Lamp	Power supply	Frequency	Starting voltage	Protection	Code
35W	214x79x79	HIT-CE	230-240V	50Hz	4500-5000V	IP20	57094
70W	214x79x79	HIT-CE	230-240V	50Hz	4500-5000V	IP20	57097
150W	214x79x79	HIT-CE	230-240V	50Hz	4500-5000V	IP20	57098

ELECTRONIC BALLASTS FOR METAL HALIDE LAMPS

Power	LxHxP	Lamp	Power supply	Frequency	Starting voltage	Protection	Code
20W	150x35x80	HIT-CE/HIT-Tc-CE	220-240V	50-60Hz	4500-5000V	IP20	1T0240
35W	150x35x80	HIT-CE/HIT-Tc-CE	220-240V	50-60Hz	4500-5000V	IP20	1T0500
70W	150x35x80	HIT-CE/HIT-Tc-CE	220-240V	50-60Hz	4500-5000V	IP20	1T0501
100W	185x33x96	HIT-CE	220-240V	50-60Hz	4500-5000V	IP20	1T2531
150W	210x35x80	HIT-CE	220-240V	50-60Hz	4500-5000V	IP20	1T0502
20W	200x91x63	HIPAR	220-240V	50-60Hz	4000V	IP67	1E2290
35W	200x91x63	HIPAR	220-240V	50-60Hz	4000V	IP67	1E2326

TRANSFORMERS FOR HALOGEN LAMPS IN VERY LOW VOLTAGE

Power	LxHxP	Description	Power supply	Frequency	Dimming	Protection	Code
20-60W	94x20x31	electronic	230-240V/12V	50-60Hz	dimmer for IGBT and TRIAC	IP20	47567
20-105W	118x21x35	electronic	230-240V/12V	50-60Hz	dimmer for IGBT and TRIAC	IP20	47568
300W	∅ 182 H 90	toroidal magnetic	230V/12V	50Hz	with dedicated dimmer	IP20	1V7163
max 105VA	∅ 95 H 78	electronic	220-240V/12V	50-60Hz		IP68	1E1685
150VA	∅135 H 120	toroidal magnetic	230V/12V	50-60Hz		IP68	70632
200VA	∅135 H 120	toroidal magnetic	230V/12V	50-60Hz		IP68	70633
300VA	∅135 H 120	toroidal magnetic	230V/12V	50-60Hz		IP68	70634

ELECTRONIC BALLAST/POWER SUPPLY FOR LED SOURCE

Power	LxHxP	Power supply	Output current	Output voltage	Dimming	Emergency	Protection	Code
15W	119x22x52	220-240V	350mA				IP20	1T1757
15W	103x67x21	220-240V	250mA				IP20	1T3975
20W	145x19x55	230-240V		12V-DC			IP20	T1585
70W	205x49x60	230-240V		12V-DC			IP65	T1586
23W	103x21x67	220-240V	400mA				IP20	1T3976
29W	169x35x83	110-240V	700mA				IP20	1T2963
29W	169x35x83	110-240V	700mA		1-10V		IP20	1T2964
29W	169x35x83	110-240V	700mA		DALI		IP20	1T2965
32W	169x35x83	110-240V	600mA				IP20	1T3625
32W	169x35x83	110-240V	600mA		1-10V		IP20	1T3626
32W	169x35x83	110-240V	600mA		DALI		IP20	1T3627
42W	169x35x83	110-240V	1050mA				IP20	1T3781
42W	169x35x83	110-240V	1050mA		1-10V		IP20	1T3782
42W	169x35x83	110-240V	1050mA		DALI		IP20	1T3783
50W	165x64x22	200-240V		24V-DC			IP20	1T3726
max 50W	169x35x83	220-240V	900mA				IP20	1T2966
max 50W	169x35x83	110-240V	900mA		1-10V		IP20	1T2967
max 50W	169x35x83	110-240V	900mA		DALI		IP20	1T2968
75W	225x47x38	200-240V		24V-DC			IP67	1T3586
100W	230x87x43	100-240V		24V-DC			IP67	1T3587
200W	238x63x43	100-240V		24V-DC			IP67	1T3588
10W	103x67x21	110-240V	250mA		DALI		IP20	1T4214
17W	103x67x21	110-240V	400mA		DALI		IP20	1T4215
20W	118x22x52	220-240V	400mA				IP20	1T4215EL
20W	118x22x52	220-240V	400mA		1-10V		IP20	1T4215D
20W	118x22x52	220-240V	400mA		DALI		IP20	1T4215DA
20W	118x22x52	220-240V	900mA				IP20	1T5295EL
20W	118x22x52	220-240V	900mA		1-10V		IP20	1T5295D
20W	118x22x52	220-240V	700mA		DALI		IP20	1T5295DA
20W	150x40x148	220-240V	400mA				IP68	1E3033EL
20W	150x40x148	220-240V	400mA		1-10V		IP68	1E3033D
20W	150x40x148	220-240V	400mA		DALI		IP68	1E3033DA
20W	150x40x148	220-240V	900mA				IP68	1E3034EL
20W	150x40x148	220-240V	900mA		1-10V		IP68	1E3034D
20W	150x40x148	220-240V	700mA		DALI		IP68	1E3034DA
max 22W	130x30x42	220-240V	500mA				IP20	1T3966
max 15W	119x22x52	110-240V	350mA		DALI		IP20	1T4630
20W	119x22x52	220-240V	500mA		DALI		IP20	1T4631
15W	119x22x52	110-120V	500mA		DALI		IP20	1T4631
max 60W	129x30x76	220-240V	1050mA				IP20	1T4723
max 60W	129x30x76	220-240V	1050mA		DALI		IP20	1T4725
max 43W	150x40x150	220-240V	600mA				IP68	1E2571
max 43W	150x40x150	220-240V	600mA		DALI		IP68	1E2572
max 50W	150x40x150	220-240V	900mA				IP68	1E2573
max 50W	150x40x150	220-240V	900mA		DALI		IP68	1E2574
70W	225x60x51	220-240V		48V-DC			IP67	1E2320
150W	225x60x51	220-240V		48V-DC			IP67	1E2321
480W	227x125x100	220-240V		48V-DC			IP20	1E2323
240W	125,5x125,2x100	220-240V		48V-DC			IP20	1E2533
max 10W	ø105 H 74	110-240V	350mA				IP68	1E0991
max 10W	ø98 H 78	220-240V		24V-DC			IP68	1E0992
max 20W	ø98 H 78	220-240V		24V-DC			IP68	1E0993
17W	ø105 H 74	220-240V	700 mA					1E1385
12W	ø105 H 74	110-120V	700 mA					1E1385

MISSION TRANSPARENCY

Much has been written on the LEDs, in recent years, but there is still little clarity on the values to consider in order to make an objective source comparison, especially when comparing different fixtures.

The first thing to know in order to evaluate a LED fixture is that its quality and performance depend on the one hand on the characteristics of the LED source and on the other the design of the fixture itself. Features such as life time, light output and thermal management are critical to determine the quality of a LED fixture, but often people do not know how to 'quantify' them.

Targetti focuses on data transparency and communicates both values of the LED source, and those resulting of the lighting fixture; this will make our fixtures comparable in a clear way. This dedicated section was therefore designed to help you in understanding and interpreting all published data in the catalogue.

FLUX AND EFFICIENCY

Luminous Flux and Efficiency represent the key information for the evaluation of the performance of a product. What do they represent exactly?

Luminous flux represents the emission of the LED source, that is the total amount of light produced by the light source. Efficiency represents the ration between the emission and the power absorbed by the source, that is the total amount of emitted light divided per the energy consumed by the LED source.

Nowadays there is not a sole way of publishing these data, each company on the market makes its own choice. This means that catalogues of different companies publish different kinds of information, ranging from the data declared by LED producers to values referable to the LED source in peculiar conditions, but also to values that take into account the "loss" due to reflectors, lenses, drivers and so on. In general, the most reliable data is the value measured on the fixture in its effective usage conditions.

In order to let our customers have a clearer idea of the declared data, Targetti specifies for each LED fixture both its effective flux/efficiency values and the values directly referable to the source, as declared by the producer. The purpose of this methodic choice is to simplify the understanding of the data, and, consequently, to provide our customer the immediate possibility of comparison among Targetti lighting fixtures and those by other brands.

TEMPERATURE

Temperature in LED fixtures represents a fundamental parameter in order to define source efficiency and its performances in general.

The values of luminous flux, so as those of efficiency and life, are generally measured and declared by the different LED producers at a Junction Temperature (T_j)=25°.

Anyway, it is fundamental to know that this value refers to the temperature measured on the LED chip: it is actually a theoretical value, and it can be significantly different from the real emission of the fixture.

For this reason, flux and efficiency values shown for each of our products in a dedicated table represent both the values declared by the producer and those measured by our labs in effective working conditions.

CHROMATIC QUALITY MACADAM

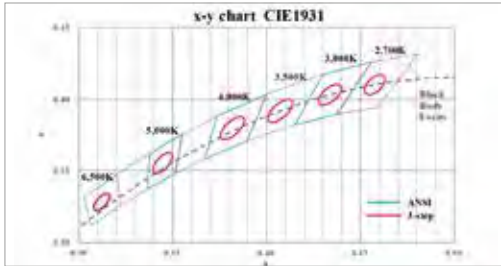


Figure 1



Figure 1

The human eye is particularly sensitive to colour variations and can therefore perceive an alteration even when it is only the intensity that varies. For this reason Targetti no longer uses BIN codes to identify LED sources with the same colour temperature but MacAdam ellipses.

The system to define chromaticity according to MacAdam ellipses is based on the physiology of colour perception: colour variations that cannot be perceived by the human eye are identified inside the ellipses on a CIE chromaticity diagram (Figure 1). The LED used by Targetti are all 3 step MacAdam and are high quality sources.

Furthermore, during the manufacturing process every single Targetti fixture is tested by specific testing machines that check colorimetric coordinates, luminous intensity and energy consumption (Figure 2).

CHROMATIC QUALITY - CRI INDEX

The colour rendering index CRI indicates the ability of a light source to reveal colours faithfully.

Lighting a coloured object with two sources with different CRI will reveal different colours depending on the source used.

It is important not to confuse the CRI with data relating to the colour temperature of a source (expressed in K); two sources with the same colour temperature can have different colour rendering indexes.

The CRI strongly influences the efficiency of a LED source and many times lighting designers have to choose between the quality and quantity of light.

The LED sources that are fitted in products in the Targetti collection normally have a colour rendering index that reaches CRI 84. In some case there are also sources with a high colour rendering index (CRI>95).

PERFORMANCE / EMISSIONS

As already noted, the indication of the flux and efficiency values can change according to the different companies operating in the lighting market.

Beyond the choices made by our main competitors, we believe that the most reliable information to describe the effective performance of our fixtures can only be represented by the values measured on the real performances of the lighting fixture itself.

Due to this, for each LED product, we decided to indicate on the catalogue the values actually generated from the fitting as well as those relating to the light source integrated. Thus, any comparison between our devices and those of our competitors may be made by comparing these values.

A close look at the photometric files can eventually dissolve any further doubts about product characteristics.

THERMAL MANAGEMENT

As in all electronic devices even in LED sources the main operating parameters and their constancy depend largely on the operating temperature of the semiconductor (junction).

Targetti fixtures are designed using special thermodynamic simulation software to optimise thermal management, through a passive heat dissipation system and without having to use active devices like fans.

This ensures that in all operating conditions there is a wide margin of safety with respect to the maximum temperature specified by LED producers, to guarantee the same conditions specified by the source manufacturer.

LIFE CYCLE

It is obviously important to buy LEDs that have a lifetime specified by the manufacturer as one of the best available on the market.

All information provided by the LED manufacturers indicate the life cycle of the source at various temperatures. The maintenance of proper management of the heat flow into the fitting is therefore a fundamental aspect that must be treated with the utmost care from the earliest stages of product development.

Lifetime for Targetti LED fixtures is defined according to the duration of the light source, until its emission remains over 70% of the total flux. (L/0 standard).

As with the data reported for the emission and efficiency of the products, some manufacturers do specify a longer life time, based on the concept of keeping the flux maintenance parameters significantly lower ($\approx 50\%$).

It is therefore extremely important to be very careful with the analysis of this data and most of all, when comparing different products together.

OPTIC TECHNOLOGY

Targetti has always been a leader in the design of the optics that are developed internally in order to optimize the performance of our lighting fixtures as much as the quality of the light beam.

Targetti R&D Department develops optical solutions for LEDs that are based on an extensive know-how and a continuous update on these sources, together with the thermal and mechanical aspects which are obviously considered during the designing process.

The innovative nature of many systems and production methods adopted by Targetti ensures therefore that they are protected by international patents.

Maximum efficiencies are guaranteed by the Targetti optical systems, resulting in the study of complex shapes and profiles that use high quality reflective and transparent materials.

The source remains always hidden from view by filtering the light or by creating indirect lighting paths for a very high quality light beam.

It is important to emphasize that the rapid technical progress of LED sources results in continuous changes in terms of luminous flux and, consequently, efficiency. The information provided by the catalogue should therefore be referred to the date of publication (for regularly updated information please visit the site www.targetti.com).

The constant evolution of these sources can sometimes mean that future supply of such products have slight differences in performance and light quality.

LIGHT SOURCES

HALOGEN LAMPS




REF.	REF.	REF.	REF.	REF.	CODE	WATTAGE	FLUX LUMINOUS	LAMP HOLDER
ZVEI	ILCOS	OSRAM	PHILIPS	DURALAMP	TARGETTI	(W)	(lm)	
QT12-ax	HSG	HALOSTAR	Capsuleline	BIPIN JC	01948 01967	35 50	600 930	G6,35 G6,35
QR111	HRGI	HALOSPOT 111	Aluline Pro 111	DR111	00992 00994 00995 1D000996 00784 00792 00794 00791 00793 00795	50 (4°) 50 (8°) 50 (24°) 50 (45°) 75 (8°) 75 (24°) 75 (45°) 100 (8°) 100 (24°) 100 (45°)	40000 cd 20000 cd 4000 cd 1700 cd 30000 cd 5300 cd 2000 cd 48000 cd 8500 cd 2800 cd	G53 G53 G53 G53 G53 G53 G53 G53 G53 G53
QR-CB35	HRGS	DECOSTAR 35	Brilliantline Pro	DICHROIC MR11	E01212	35 (30°)	1200 cd	GU4
QR-CB51	HRGS	DECOSTAR 51 DECOSTAR 51 T	Brilliantline Pro -	DICHROIC MR16 -	01970 01966 01969 00970T 00966T 00969T	20 (36°) 35 (38°) 50 (38°) 20 (38°) 35 (38°) 50 (38°)	500 cd 1000 cd 1600 cd 780 cd 1500 cd 2200 cd	GU5,3 GU5,3 GU5,3 GU5,3 GU5,3 GU5,3
QR-C51	HAGS	DECOSTAR 51 ALU	Brilliantline Pro Alu	DICHROIC MR16	01568 01569	35 (36°) 50 (38°)	730 cd 1500 cd	GU5,3 GU5,3
QT14	HSGST	HALOPIN HALOPIN ECO	Clickline -	BIPIN -	1D1904CH 1D1902CH 1D1903CH 66720ES 66733ES 66748ES 66760ES	18 28 42 20 33 48 60	205 370 625 235 460 740 980	G9 G9 G9 G9 G9 G9 G9
QPAR30	HAGS	HALOPAR 30	PAR30 HalogenA Pro	PAR30	01771 01772	75 (FL) 100 (FL)	2000 cd 3300 cd	E27 E27
QPAR-CB51	HAG	HALOPAR 16	TWISTLINE Dicro	DICROICA JDR	01969GD	50 (26°)	950 cd	GZ10
QT-DE12	HDG	HALOLINE ECO	PLUSLINE ES	LINEAR J	01974ES 01975ES 01983ES 01976ES 01977ES 01987ES	80/74,9 mm 120/74,9 mm 120/114,2 mm 160/114,2 mm 230/114,2 mm 400/114,2 mm	1380 2220 2220 3085 4650 8550	R7s R7s R7s R7s R7s R7s
QT32	HSGST	HALOLUX ECO	ECO CLASSIC T32 - -	TUBOLAR JDD c - - -	01908ES H64401ECO H64402ECO H64404ECO	60 100 150 205	975 1800 2870 4200	E27 E27 E27 E27
QT26	HSGST	HALOLUX ECO	-	TUBOLAR JDD	01304ES	48	740	E14
QT18	HSGST	HALOLUX ECO	-	-	H64498ECO H64499ECO	150 205	2870 4200	B15d B15d
QA60	HSGSA	HALOGEN CLASSIC A	ECO CLASSIC Goccia	HALOGEN GLS	00519 00542	28 42	370 625	E27 E27
QD45	HSGSD	HALOGEN CLASSIC P	ECO CLASSIC P45	HALOGEN ROUND	01729 01429	42 42	625 625	E14 E27
QC35	HSGSC	HALOGEN CLASSIC B	ECO CLASSIC Oliva	HALOGEN CANDLE	03729	42	625	E14
QG80	HSGSG	-	-	HALOGEN GLOBE	00237-AL	42	625	E27
QG95	HSGSG	-	ECO CLASSIC G95	HALOGEN GLOBE	00337-AL 00357-AL	42 70	625 1175	E27 E27

DISCHARGE LAMPS

REF.	REF.	REF.	REF.	REF.	CODE	WATTAGE	LUMINOUS FLUX	LAMP HOLDER	
ZVEI	ILCOS	OSRAM	PHILIPS	DURALAMP	TARGETTI	(W)	(lm)		
HIT-CE	MT	- HCI-T	CMH-T (GE) CDM-T	-	01181	20/830	1600	G12	
					01177000	35/942	3300	G12	
					01122	35/830	3300	G12	
					0B338	50/930	5000	G12	
					0B339	50/942	5000	G12	
					01125	70/942	6600	G12	
					01123	70/830	6600	G12	
					0B342PH	100/930	11000	G12	
					0B343PH	100/942	11000	G12	
					01126	150/942	12700	G12	
		01124	150/830	14000	G12				
		01149	250/830	23000	G12				
		HCI-TF -	CMH SuperMini (GE) -	-	HyperColor	01184	35/930	3400	GU6,5
						DU-01122	35/830	3400	G12
						DU-01125	70/942	6300	G12
						DU-01123	70/830	6200	G12
						DU-01126	150/942	13000	G12
DU-01124	150/830					14000	G12		
HIT-Tc-CE	MC	-	CDM-Tm	-	01134	20/830	1650	PGJ5	
					01155	35/930	3000	PGJ5	
HIT-Tc-CE	MT	HCI-TC	CDM-TC	CMH-TC (GE)	01127	20/830	1650	G8,5	
					01128	35/830	3300	G8,5	
					0B340	50/930	5000	G8,5	
					0B341	50/942	5000	G8,5	
					01183	70/942	6400	G8,5	
		-	-	-	HyperColor	01129	70/830	6400	G8,5
						DU-01127	20/830	1650	G8,5
						DU-01128	35/830	3400	G8,5
						DU-01129	70/830	6200	G8,5
HIT-DE-CE	MD	HCI-TS	CDM-TD	-	01106	70/942	6500	RX7s	
					01104	70/830	6000	RX7s	
					01161	150/942	14200	RX7s	
					01105	150/830	13250	RX7s	
					DU-01106	70/942	6200	RX7s	
		-	-	-	HyperColor	DU-01104	70/830	7000	RX7s
						DU-01107	150/942	12500	RX7s
						DU-01105	150/830	14500	RX7s
HIPAR20-CE	MRS	HCI-PAR20	CDM-R PAR20	-	01008	35 (10°)	23000 cd	E27	
					01011	35 (30°)	5000 cd	E27	
HIPAR30-CE	MRS	HCI-PAR30	CDM-R PAR30	-	01019	70 (40°)	10000 cd	E27	
HIR111-CE	MRS	HCI-R111	CDM-R111	-	01169	35 (10°)	35000 cd	GX8,5	
					01171	35 (24°)	8500 cd	GX8,5	
					01170	35 (40°)	4000 cd	GX8,5	
					01172	70 (10°)	50000 cd	GX8,5	
					01174	70 (24°)	15000cd	GX8,5	
					01173	70 (40°)	9000 cd	GX8,5	
HIPAR51-CE	MRS	-	CDM-Rm Mini	-	E9045S	20 (10°)	13500 cd	GX10	
					E9045M	20 (25°)	4500 cd	GX10	
					E9045L	20 (40°)	2100 cd	GX10	
		-	CDM-Rm Elite Mini	-	-	0B322PH	35 (10°)	20000 cd	GX10
						0B323PH	35 (25°)	8500 cd	GX10
						0B324PH	35 (40°)	4400 cd	GX10

LED

REF.	REF.	REF.	REF.	REF.	CODE	WATTAGE	LUMINOUS FLUX	LAMP HOLDER
ZVEI	ILCOS	OSRAM	PHILIPS	DURALAMP	TARGETTI	(W)	(lm)	
AR111	-	-	-	DR111 230V	0B335 0B336	15W (3000K) 15W (3000K)	5585 cd (24°) 2275 cd (35°)	GU10 GU10
AR111	-	-	-	DR111 12V	0B333 0B334	15W (3000K) 15W (3000K)	5585 cd (24°) 2275 cd (35°)	G53 G53
MR16	-	-	-	MR16	0B330 0B331	5,5W (3000K) 7,5W (3000K)	413 cd (50°) 847 cd (38°)	GU5.3 GU5.3
A60	-	-	-	GOCCIA LED	0B332	5,0W (2700K)	410	E27

	LED		TRADITIONAL LAMP
-80% energy	DR111 LED REFELCTOR G53 4000h		QR111 G53 2000h
	10W		50W
	15W		75W

LAMPADE FLUORESCENTI

REF.	REF.	REF.	REF.	REF.	CODE	WATTAGE	LUMINOUS FLUX	LAMP HOLDER						
ZVEI	ILCOS	OSRAM	PHILIPS	DURALAMP	TARGETTI	(W)	(lm)							
TC-D	FSQ-I	DULUX D	PL-C 2 Pin	DURALUX D	02012	13/830	900	G24d-1						
					02013	13/840	900	G24d-1						
					02015	18/840	1200	G24d-2						
					02014	18/830	1200	G24d-2						
					02017	26/840	1720	G24d-3						
					02016	26/830	1720	G24d-3						
TC-DEL	FSQ-E	DULUX D/E	PL-C 4 Pin	DURALUX D/E	02025	18/840	1200	G24q-2						
					02024	18/830	1200	G24q-2						
					02027	26/840	1720	G24q-3						
					02026	26/830	1720	G24q-3						
TC-FEL	FSS-E	DULUX F	-	DURALUX F	E9040C	18/830	1100	2G10						
					E9040B	18/840	1100	2G10						
					E9048C	24/830	1700	2G10						
					E9048B	24/840	1700	2G10						
					00775	36/840	2800	2G10						
					0077531	36/830	2800	2G10						
TC-LEL	FSD-E	DULUX L	PL-L 4 Pin	DURALUX L	1D1018K3	18/830	1200	2G11						
					1D1024K4	24/840	1800	2G11						
					1D1024K3	24/830	1800	2G11						
					1D1036K4	36/840	2900	2G11						
					1D1036K3	36/830	2900	2G11						
			-	-	DURALUX L/E	1D0777K4	55/840	4650	2G11					
						1D0777K3	55/830	4650	2G11					
						TC-T	FSM-I	DULUX T	PL-T 2 Pin	DURALUX T	1D079784	18/840	1200	GX24d-2
											1D079783	18/830	1200	GX24d-2
											1D077484	26/840	1800	GX24d-3
1D077483	26/830	1800	GX24d-3											
TC-TEL	FSM-E	DULUX T/E	PL-T 4 Pin	DURALUX T/E	1D079884	18/840	1200	GX24q-2						
					1D079883	18/830	1200	GX24q-2						
					1D080084	26/840	1800	GX24q-3						
					1D080083	26/830	1800	GX24q-3						
					1D080184	32/840	2400	GX24q-3						
					1D080183	32/830	2400	GX24q-3						
					1D080384	42/840	3200	GX24q-4						
					1D080383	42/830	3200	GX24q-4						
					00804	57/840	4300	GX24q-5						
					0080431	57/830	4300	GX24q-5						
					TC-TEL	FSM-E	DULUX T/E HE	PL-R 4 Pin	-	0B314	14/840	1200	GR14q	
										0B313	14/830	1200	GR14q	
										0B316	17/840	1500	GR14q	
0B315	17/830	1500	GR14q											
T7	FDH	T2 FM	-	-						01001	11/730	750	W4,3	
T16	FDH	LUMILUX T5	TL5	T5	1483FH	14/830	1230	G5						
					2183FH	21/830	1910	G5						
					2484FQ	24/840	1750	G5						
					2483FQ	24/830	1750	G5						
					2883FH	28/830	2640	G5						
					2884FH	28/840	2640	G5						
					3583FH	35/830	3320	G5						
					3584FH	35/840	3320	G5						
					3984FQ	39/840	3220	G5						
					3983FQ00	39/830	3220	G5						
		Colored T5	TL5 Coloured	-	4984FQ	49/840	4320	G5						
					4983FQ	49/830	4320	G5						
					5484FQ	54/840	4450	G5						
					5483FQ	54/830	4450	G5						
					8084FQ	80/840	6150	G5						
					8083FQ	80/830	6150	G5						
					2860FH	28/R	2100	G5						
					2866FH	28/G	3500	G5						
					2867FH	28/B	700	G5						
					T16-R	FSCH	LUMILUX T5 FC	TL5 Circular	-	2284FC	22/840	1800	2GX13	
2283FC	22/830	1800	2GX13											
01042	55/840	4200	2GX13											
01039	55/830	4200	2GX13											
E3003C	60/830	5000	2GX13											
E3003B	60/840	5000	2GX13											
TC-TSE	FBT	DULUX EL	PL-E	DURALUX Eco						06052	21/827	1250	E27	
										07052	24/827	1500	E27	
TC-DSE	FBT	DULUX EL	PL-E	DURALUX Mini Eco	08227	9/827	470	E14						
					08427	12/827	620	E14						
					08527	15/827	850	E14						
TCR-TSE	FBR	Micro Lynx F (SYLVANIA)	-	DURADISCK	07040	07/840	220	GX53						

TEMPERATURE ON GLASS

SPECIAL HEAT REDUCTION FILTER

The use of the heat reduction filter makes it possible to reduce the temperature on the glass by about 30% compared to normal conditions. In this way, fixtures equipped with 35W and 70W metal halide lamps have a temperature on the glass $T^{\circ} < 80^{\circ}\text{C}$ and are therefore suitable for installation in all accessible areas, conforming to European standard EN 60598-2-13 (see table alongside).

ICARE

LAMP	POWER	TEMPERATURE	
		On glass without heat reduction disk	On glass with heat reduction disk
HIT-TC-CE	20W	80°C ❄️❄️	
HIT-CE	35W	105°C	< 80°C ❄️❄️❄️
	70W	130°C	< 80°C ❄️❄️❄️
	150W	> 140°C	-
HIT-DE	70W	110°C	< 80°C ❄️❄️❄️
	150W	> 140°C	-
HST-DE	70W	110°C	< 80°C ❄️❄️❄️
	150W	> 140°C	-
TC-TEL	26W	70°C ❄️❄️❄️	-
	32W	80°C ❄️❄️❄️	-
	42W	85°C ❄️❄️❄️	-

The temperatures on the glass (T°) are measured in centigrade according to European standard EN 60598-2-13, on glass center at an ambient temperature of 25°C.

FORESEEN USE



In limited access areas (for example, restricted to pedestrians or bicycles)

❄️ < 100°C

In all accessible areas (for example along driveways, in parking lots, etc.)

❄️❄️ < 80°C

In particular areas (where the operating temperatures could cause injuries such as children's playgrounds)

❄️❄️❄️ < 40°C

Abstract tabe A1
European standard **EN 60598-2-13**

SPECIAL HEAT REDUCTION RING

The use of the ring for heat dissipation makes it possible to reduce the temperature on the glass by about 30% compared to normal conditions. In this way fixtures equipped with 35W metal halide lamps and halogen lamps up to 50W reach a temperature on the glass $T^{\circ} < 90^{\circ}\text{C}$ (see table alongside).

PHENIX

LAMP	POWER	TEMPERATURE	TEMPERATURE
		On glass without heat reduction disk	On glass with heat reduction disk
TC-DEL	10W	$< 40^{\circ}\text{C}$ ❄️❄️❄️	
HIPAR51	35W	$> 130^{\circ}\text{C}$	$< 90^{\circ}\text{C}$ ❄️
HIPAR20	35W	$> 140^{\circ}\text{C}$	$< 90^{\circ}\text{C}$ ❄️
QPAR20	50W	$> 130^{\circ}\text{C}$	$< 90^{\circ}\text{C}$ ❄️
QPAR51	max 50W	$> 140^{\circ}\text{C}$	$< 90^{\circ}\text{C}$ ❄️
QR-CB51	max 50W	130°C	$< 90^{\circ}\text{C}$ ❄️

The temperatures on the glass (T°) are measured in centigrade according to European standard EN 60598-2-13, on glass center at an ambient temperature of 25°C .

PHOTOMETRIC DATA

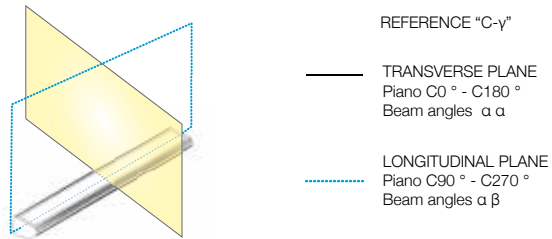
Photometric measurements were taken at the "Photometric Laboratory Targetti. These measurements are performed at a room temperature equal to 25 ± 1 °C as required by UNI EN 13032-1 - Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1.

The photometric values quoted are dependent on the optical system to which they relate, and from the light source used. In order to improve its production, the Company reserves the right to change these optical systems and consequently relative photometric data without notice. For ease of use, the three types of photometric curves present within this catalogue are shown and explained below:

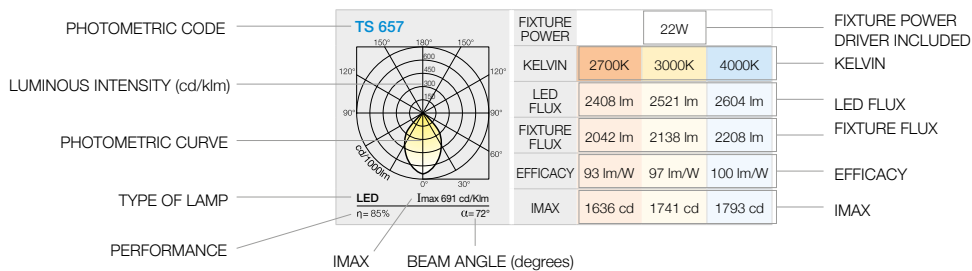
1. Polar diagram for luminous intensity
2. Polar diagram with luminance values
3. Polar diagram with CIE flux code

Photometric data are available in the "download" section of www.targetti.com, in digital format.

The photometric curves shown in this catalogue are compiled according to the "C-γ" international reference system, where the C0-C180 plane is perpendicular to the fixtures and the C90-C270 plane is parallel to the fixtures, as depicted in the figure. For symmetrical and rotationally symmetric fixtures therefore, a single curve is used.

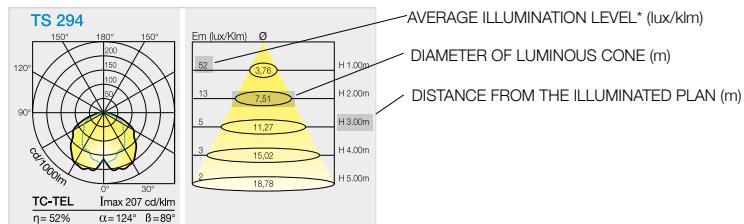


1. LUMINOUS INTENSITY POLAR DYAGRAM

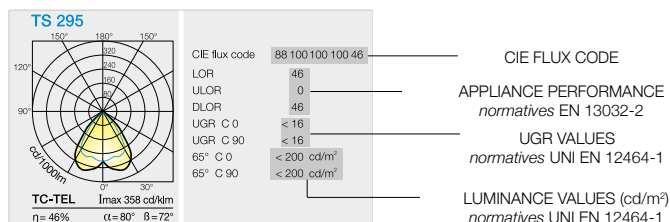


2. POLAR ILLUMINANCE VALUE

*Illumination values are expressed in lux/Klm. To get the value of illumination expressed in lux, the figure reported in the table must be multiplied by the luminous flux of the chosen source (lm) and divided by 1000.



3. POLAR DIAGRAM WITH CIE FLUX CODES



CIE FLUX CODE - The Commission Internationale de l'Eclairage (CIE) provides a classification of luminaires according to the distribution of the flux delivered within certain limits of solid angle. The first three numbers indicate the fluxes contained in the cones identified by solid angles equal to $\pi/2$, π , $3/2\pi$. The fourth number gives the percentage of direct light compared to total emission. The fifth is the ratio between the total emission of the fixtures and total emission of the lamps (efficiency of the fixtures). The 5 codes are expressed in percentages.

FIXTURE PERFORMANCE - In accordance with EN 13032-2 - Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places - the performance of lighting fixtures is indicated by the acronym "LOR" (Light Output Ratio) defined as the ratio of the luminous flux emitted by a fixture and the total flux of the sources used. For direct/indirect light fixtures appliances, the regulation introduces the components "DLOR" (Down Light Output Ratio) and "ULOR" (Up Light Output Ratio). These components show the distribution of luminous flux of the fixtures in the lower and upper half-space. The 3 parameters are expressed as percentages.

UGR VALUES - The UGR (Unified Glare Rating) method was introduced by the CIE (Commission Internationale de l'Eclairage) with the CIE 117 - 1995 publication "Glare Discomfort in Interior Lighting" in order to have a unified method for evaluating glare. Unlike the previous method (Diagram of light or Söllner), the index of glare depends on both the characteristics of the fixtures, and the characteristics of the environment in which it is installed, taking into account the relative position of observer- fixtures.

The UGR glare index is calculated from the size of the room, the type of light fixtures, its size and the surface reflection properties of the environment.

It is expressed by the formula:

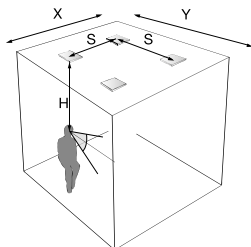
$$UGR = 8 \log \left(\frac{0,25}{L_b} \sum \frac{L^2 \pi}{\rho^2} \right)$$

- UGR: A value that defines the class of the annoying glare (or glare that causes disruption without affecting the view of objects) directly produced by the fixtures of an indoor lighting system.
- Background luminance L_b : luminance of the visual field, in cd/sqm, with the exclusion of glaring sources.
- Fixtures luminance L: luminance of the luminous parts, in cd/sqm, of each appliance in the direction of observation.
- Solid angle π : solid angle, in steradian, of the luminous parts of each illumination fixture in the direction of the eye of the observer.
- Guth's position index ρ : a value that defines the offset angle to the axis of vision for each individual luminary.

UGR glare index values are between 10 and 30, from minimum to maximum probability of distress.

- UGR C 0: refers to the transversal direction of observation of the fixtures
- UGR C 90: refers to the longitudinal direction of observation of the fixtures

Glare ratio reported in polar diagrams are calculated in relation to a local standard, as provided for by regulation CIE 117, having the following characteristics:



The size of the room as well as the distance between fixtures in both directions are specified in relation to the distance H between the fixture plane and the observer plane (usually assumed to be equal to 1.2 m):

- S Distance between fixtures in both directions equal to 0.25H
- X longitudinal dimension of the room equal to 4H
- Y transverse dimension of the room equal to 8H

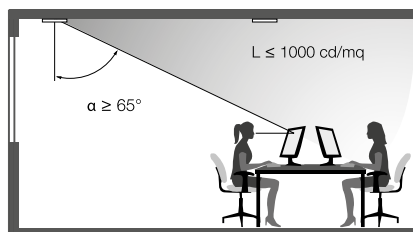
Reflectance index of the ceiling, walls and floor, respectively, equal to 0.7, 0.5, 0.2

To aid better understanding, the UGR values reported in the polar diagram of the lighting fixtures have been grouped into the following illustrative classes by type of application, as specified in UNI EN 12464-1:

- <16 maximum viewing comfort
- <19 comfort required in offices
- <22 comfort required in other work places
- <25 need for reduced visual comfort
- <28 extremely low visual comfort

PHOTOMETRIC DATA

LUMINANCE VALUES - The UNI EN 12464-1 - Light and lighting - Lighting of workplaces - Part 1: internal workplaces - prescribes the boundary values of average luminance of the lighting equipment at elevation angles of 65° and above from the downward vertical, radially around the luminaires, for work stations where display screens which are vertical or inclined up to 15° tilt angle are used.



Screen high state luminance	High luminance screen >200cd/mq	Medium luminance screen ≤200cd/mq
Case A	≤ 3000 cd/mq	≤ 1500 cd/mq
Case B	≤ 1500 cd/mq	≤ 1000 cd/mq

- Case A: flat screens operating at positive polarity with normal requirements concerning colour and details of the shown information, as used in office, education, etc.
- Case B: to flat screens operating at negative polarity and/or with higher requirements concerning colour and details of the shown information, as used for CAD colour inspection, etc.

PHOTOMETRY OF DEVICES WITH ACCESSORIES AVAILABLE ON REQUEST

SYMBOLS

REQUISITES AND INFORMATION

All fixtures of the Targetti collection have been designed and produced to comply with European standard EN60598-1 relative to the safety requisite of light fixtures.

CE DIRECTIVES EUROPEAN COUNCIL

All fixtures comply with the following directives:
 - EMC Directive 2004/108/CE
 - LV Directive 2006/95/CE
 - RoHS Directive 2002/95/CE
 The CE seal of approval is printed on the packaging.

UNLESS SPECIFIED OTHERWISE






- all fixtures are supplied without lamps;
- all fixtures are sold separately;
- all measurements are expressed in millimeters;
- all fixtures at low voltage are supplied without transformer;
- **all fixtures can be supplied, on request, with nominal voltage of 110V and/or 240V.**

The colors of the products illustrated are reproduced as faithfully as possible compatibly with the technical limitations of the printed medium. The company reserves the right to make changes to the production without notice. Reproduction of this catalogue or any part of it is prohibited. The products illustrated in this catalogue are covered by one or more Italian or international patents. The company will take legal action against any imitators.



CONSORZIO ECOLIGHT

Targetti Sankey Spa belongs to the Consorzio Ecolight established in 2004 to comply with the provisions of European Directive 2002/96/CE-RAEE converted by Italian law into Legislative Decree no.151 of July 25th 2005 for the management, recovery and treatment of electrical and electronic devices at the end of their usable life, in respect of all the regulations in force on the subject of environmental safeguards.

INSULATION CLASS

-  Class I luminaire in which the protection against electrical shock is guaranteed by the connections of the conductive elements accessible to a protective conductor (earth connection)
-  Luminaire in which the connection to a protective conductor (earth connection) guarantees the immunity to radio noises
-  Class II luminaire (double insulation), protected against the accidental contact with parts under tension from the user
-  Class II luminaire (double insulation), with continuity earth
-  Class III luminaire, suitable for connection to very low voltage circuits

PARTICULAR SYMBOLS







-  Weight of the single fixture
-  Cable length





TARGETTI SANKEY SpA
 Certificated ISO 9001 n° 9130. TAR1

The Enec mark, awarding of the ISO9001 certificate and the CE brand all guarantee that the activities carried out internally in the company are governed and controlled by procedures which assure constant level of quality.


DEGREE OF PROTECTION*

-  IP20 Protective screen, keeps out solids exceeding 50 mm in size
-  IP23 Protective screen, keeps out rain and solids exceeding 12 mm in size
-  IP40 Protective screen, keeps out solids exceeding 1 mm in size
-  IP43 Protective screen, keeps out rain and solids exceeding 1 mm in size
-  IP44 Protective screen, keeps out water spray and solids exceeding 1mm in size
-  IP54 Protective screen, keeps out dust and water spray


note*

-  IP-H Housing degree of protection
-  IP-O Optic degree of protection

SAFETY STANDARDS

-  ENEC
 European Norms Electrical Certification






SUITABLE FOR INFLAMMABLE SURFACE MOUNTING

-  Luminaire not suitable for direct mounting on normally inflammable surface

LIGHT BEAM APERTURES

from	to	beam	
5°	10°	Narrow Spot	NSP
11°	25°	Spot	SP
26°	40°	Flood	FL
41°	50°	Medium Wide Flood	MWFL
51°	70°	Wide Flood	WFL
71°	120°	Very Wide Flood	VWFL
		Wall Washer	WW

ICONS

-  Walk over fixture compliant to EN 60598-2-13 standard
-  Drive over fixture compliant to EN 60598-2-13 standard
-  Temperature limits on the glass measured according to the EN 60598-2-13 normative
-  SECS BOX LED fixture fed and control with SECS driver
-  DMX on board LED fitting with on board intelligence

INDEX FOR CODE

Code	Page
0B330	220, 231
0B331	220, 231
0B333	231
0B334	231
0B335	220
0B336	220
1E0182	530
1E0191	540
1E0195	540
1E0300	530
1E0301	530
1E0302	530
1E0303	530
1E0388	513, 518, 531, 581
1E0425	655
1E0427	655
1E0436	655
1E0514	692
1E0515	692
1E0517	693
1E0990	560
1E0991	545, 617
1E0992	557
1E0993	557
1E0994	560
1E0995	624, 625
1E0996	560
1E1001	557
1E1002	557
1E1008	557
1E1011	556
1E1012	556
1E1018	556
1E1021	556
1E1022	556
1E1028	556
1E1180	600
1E1290	534
1E1291	535
1E1292	535
1E1293	536
1E1294	536
1E1295	538
1E1296	538
1E1298	538
1E1299	538
1E1301	539
1E1302	539
1E1304	539
1E1305	539
1E1352	609
1E1361	624
1E1362	624
1E1366	558
1E1367	558
1E1385	558, 624
1E1401	547, 559, 579, 619, 625, 704
1E1409	559
1E1410	625

Code	Page
1E1417	546
1E1418	619
1E1472	617
1E1475	545
1E1478	617
1E1481	545
1E1520	531
1E1540	539
1E1541	539
1E1542	539
1E1543	538
1E1544	538
1E1545	539
1E1546	539
1E1558	538
1E1559	538
1E1560	538
1E1561	538
1E1562	538
1E1563	538
1E1564	539
1E1565	539
1E1566	539
1E1600	535
1E1601	540
1E1607	530
1E1608	530
1E1681	673
1E1682	673
1E1683	673
1E1684	540
1E1685	541, 548, 621
1E1713	547, 559, 619, 625, 705
1E1715	598, 605, 705
1E1728	528
1E1729	528
1E1730EL	525
1E1731EL	525
1E1732EL	525
1E1733EL	525
1E1734EL	525
1E1735EL	525
1E1736	525
1E1737	525
1E1738	525
1E1748EL	524
1E1749	524
1E1750EL	527
1E1751	527
1E1757	526
1E1851	618
1E1852	547
1E1854	559
1E1855	625
1E1881	525
1E1882	525
1E1883	525
1E1906	707
1E1929	707

Code	Page
1E2264	576
1E2265	576
1E2266	576
1E2267	580
1E2268	580
1E2269	580
1E2272	576
1E2274	576
1E2275	576
1E2288	534
1E2289	534
1E2290	541
1E2307	691
1E2308	691
1E2320	519
1E2321	519
1E2323	519
1E2326	541
1E2332	657
1E2347	657
1E2350	558
1E2351	558
1E2354	624
1E2355	624
1E2367	558
1E2368	558
1E2369	558
1E2370	558
1E2371	624
1E2372	624
1E2373	624
1E2374	624
1E2376	657
1E2378	578
1E2379	578
1E2381	579
1E2382	578, 579
1E2383	578, 579
1E2384	578
1E2385	578
1E2386	510
1E2387	510
1E2388	511
1E2389	511
1E2390	511
1E2391	511
1E2392	511
1E2393	511
1E2394	513
1E2402	513
1E2493	513, 518, 531, 541, 549, 552, 561, 581, 587, 590, 601, 621, 641, 651, 653, 657
1E2494	513, 518, 531, 541, 549, 552, 561, 581, 587, 590, 601, 621, 641, 651, 653, 657
1E2495	513, 518, 684, 685, 689
1E2496	513
1E2497	514

Code	Page
1E2498	514
1E2499	514
1E2500	514
1E2501	515
1E2502	515
1E2503	515
1E2504	515
1E2505	515
1E2506	515
1E2507	515
1E2508	515
1E2509	516
1E2510	516
1E2511	516
1E2512	516
1E2513	516
1E2514	516
1E2515	516
1E2516	516
1E2517	516
1E2518	516
1E2519	516
1E2520	516
1E2521	517
1E2522	517
1E2523	518
1E2524	518
1E2525	517
1E2526	517
1E2533	519
1E2540	685
1E2542	685
1E2552	635
1E2553	635
1E2554	635
1E2555	635
1E2556	634
1E2557	635
1E2558	635
1E2559	635
1E2560	634
1E2561	512
1E2562	512
1E2564	684, 685
1E2576	640, 641
1E2578	640, 641
1E2580	640, 641
1E2581	662
1E2582	662
1E2583	662
1E2584	662
1E2585	662
1E2586	662
1E2587	662
1E2588	662
1E2589	662
1E2590	662
1E2591	662
1E2592	662

Code	Page
1E2593	662
1E2594	662
1E2595	662
1E2596	662
1E2597	662
1E2598	662
1E2599	662
1E2600	662
1E2601	662
1E2602	662
1E2603	662
1E2604	662
1E2605	663
1E2606	663
1E2607	663
1E2608	663
1E2609	663
1E2610	663
1E2611	663
1E2612	663
1E2613	663
1E2614	663
1E2615	663
1E2616	663
1E2617	663
1E2618	663
1E2619	663
1E2620	663
1E2621	663
1E2622	663
1E2623	663
1E2624	663
1E2625	663
1E2626	663
1E2627	663
1E2628	663
1E2629	664
1E2630	664
1E2631	664
1E2632	664
1E2633	664
1E2634	664
1E2635	664
1E2636	664
1E2637	664
1E2638	664
1E2639	664
1E2640	664
1E2641	664
1E2642	664
1E2643	664
1E2644	664
1E2645	664
1E2646	664
1E2647	664
1E2648	664
1E2649	664
1E2650	664
1E2651	664

Code	Page
1E2652	664
1E2653	663
1E2654	663
1E2655	663
1E2656	663
1E2657	663
1E2658	663
1E2659	663
1E2660	663
1E2661	663
1E2662	663
1E2663	663
1E2664	663
1E2665	568
1E2666	568
1E2667	568
1E2668	568
1E2669	568
1E2670	568
1E2671	568
1E2672	568
1E2673	568
1E2674	568
1E2675	568
1E2676	568
1E2677	568
1E2678	568
1E2679	568
1E2680	568
1E2681	568
1E2682	568
1E2683	568
1E2684	568
1E2685	568
1E2686	568
1E2687	568
1E2688	568
1E2689	569
1E2690	569
1E2691	569
1E2692	569
1E2693	569
1E2694	569
1E2695	569
1E2696	569
1E2697	569
1E2698	569
1E2699	569
1E2700	569
1E2701	569
1E2702	569
1E2703	569
1E2704	569
1E2705	569
1E2706	569
1E2707	569
1E2708	569
1E2709	569
1E2710	569

INDEX FOR CODE

Code	Page
1E2711	569
1E2712	569
1E2713	570
1E2714	570
1E2715	570
1E2716	570
1E2717	570
1E2718	570
1E2719	570
1E2720	570
1E2721	570
1E2722	570
1E2723	570
1E2724	570
1E2725	570
1E2726	570
1E2727	570
1E2728	570
1E2729	570
1E2730	570
1E2731	570
1E2732	570
1E2733	570
1E2734	570
1E2735	570
1E2736	570
1E2737	569
1E2738	569
1E2739	569
1E2740	569
1E2741	569
1E2742	569
1E2743	569
1E2744	569
1E2745	569
1E2746	569
1E2747	569
1E2748	569
1E2749	571
1E2750	571
1E2751	571
1E2752	665
1E2753	665
1E2754	665
1E2755	665
1E2756	665
1E2757	665
1E2758	665
1E2759	665
1E2760	665
1E2761	665
1E2762	571, 665
1E2763	571, 665
1E2764	571, 665
1E2765	571, 665
1E2766	609
1E2769	571, 665
1E2770	551
1E2771	551

Code	Page
1E2772	551
1E2773	551
1E2774	551
1E2775	551
1E2776	552
1E2777	552
1E2778	552
1E2779	594
1E2780	594
1E2781	594
1E2782	594
1E2783	594
1E2784	594
1E2785	594
1E2786	594
1E2787	596
1E2788	596
1E2789	596
1E2790	596
1E2791	596
1E2792	596
1E2793	596
1E2794	596
1E2795	596
1E2796	596
1E2797	597
1E2798	597
1E2799	597
1E2800	597
1E2801	597
1E2806	595, 597
1E2807	595, 597
1E2812	598
1E2813	598
1E2814	598
1E2815	598
1E2816	600
1E2817	600
1E2818	600
1E2819	600
1E2820	600
1E2821	600
1E2822	600
1E2823	600
1E2824	600
1E2825	591, 601
1E2826	601
1E2827	604
1E2828	604
1E2829	604
1E2830	604
1E2831	604
1E2832	604
1E2833	605
1E2834	605
1E2835	606
1E2836	606
1E2837	606
1E2838	606

Code	Page
1E2839	606
1E2840	606
1E2844	607
1E2845	608
1E2846	608
1E2847	608
1E2848	608
1E2849	609
1E2850	609
1E2851	609
1E2852	609
1E2853	609
1E2854	609
1E2855	609
1E2856	609
1E2857	612
1E2858	612
1E2859	612
1E2860	612
1E2861	684
1E2862	684
1E2863	684
1E2864	684
1E2865	685
1E2866	685
1E2868	638
1E2869	638
1E2870	638
1E2871	638
1E2872	638
1E2873	638
1E2874	638
1E2875	638
1E2876	638
1E2877	635
1E2878	635
1E2879	635
1E2880	635
1E2881	634
1E2882	634
1E2883	634
1E2884	635
1E2885	635
1E2886	635
1E2887	634
1E2888	634
1E2889	634
1E2890	636
1E2891	636
1E2892	636
1E2893	636
1E2894	636
1E2895	636
1E2896	637
1E2897	637
1E2898	637
1E2899	637
1E2900	641
1E2901	634, 640

Code	Page
1E2902	634, 640
1E2906	640, 641
1E2907	641
1E2909	647
1E2910	647
1E2911	646
1E2912	646
1E2913	650
1E2914	650
1E2915	652
1E2916	650
1E2917	650
1E2918	650
1E2919	652
1E2920	652
1E2921	651, 653
1E2922	651, 653
1E2923	651, 653
1E2924	650
1E2925	651, 653
1E2926	651, 653
1E2927	657
1E2928	657
1E2929	669
1E2930	669
1E2931	669
1E2932	669
1E2933	669
1E2934	669
1E2935	669
1E2936	669
1E2937	669
1E2938	669
1E2939	670
1E2940	670
1E2941	670
1E2942	670
1E2943	670
1E2944	670
1E2945	670
1E2946	670
1E2947	673
1E2948	673
1E2950	673
1E2951	673
1E2953	673, 674
1E2954	673, 674
1E2955	673, 674
1E2956	674
1E2957	674
1E2958	674
1E2959	674
1E2960	674
1E2961	674
1E2962	678
1E2963	678
1E2965	679
1E2966	679
1E2967	689

Code	Page
1E2968	689
1E2969	689
1E2970	689
1E2971	689
1E2972	689
1E2973	691
1E2974	691
1E2975	692
1E2976	692
1E2977	693
1E2978	594
1E2979	594
1E2980	594
1E2981	594
1E2982	595
1E2983	595
1E2984	595
1E2985	595
1E2986	586
1E2987	586
1E2988	586
1E2989	586
1E2990	586
1E2991	586
1E2992	586
1E2993	586
1E2994D	589
1E2994DA	589
1E2994EL	588
1E2995D	589
1E2995DA	589
1E2995EL	588
1E2996D	589
1E2996DA	589
1E2996EL	588
1E2997D	589
1E2997DA	589
1E2997EL	588
1E2998D	589
1E2998DA	589
1E2998EL	588
1E2999D	589
1E2999DA	589
1E2999EL	588
1E3000D	589
1E3000DA	589
1E3000EL	588
1E3001D	589
1E3001DA	589
1E3001EL	588
1E3002D	589
1E3002DA	589
1E3002EL	588
1E3003D	589
1E3003DA	589
1E3003EL	588
1E3004D	589
1E3004DA	589
1E3004EL	588

Code	Page
1E3005D	589
1E3005DA	589
1E3005EL	588
1E3006	587
1E3007	587
1E3008	587
1E3009	587
1E3010	587
1E3011	587
1E3012	587
1E3013	587
1E3014	587
1E3015	587
1E3016	587
1E3017	590
1E3018	590
1E3019	590
1E3020	590
1E3021	590
1E3022	590
1E3023	590
1E3024	590
1E3025	590
1E3026	591
1E3027	591
1E3028	591
1E3029	591
1E3033D	586
1E3033DA	586
1E3033EL	586
1E3034D	586
1E3034DA	586
1E3034EL	586
1E3035	640, 641
1E3036	640, 641
1E3037	640, 641
1E3038	640, 641
1E3039	640, 641
1E3040	685
1E3041	685
1E3042	685
1E3043	685
1E3044	685
1E6867	638
1T0123	332, 338
1T0123DA	332, 338
1T0124	332, 338
1T0124DA	332, 338
1T0126	338
1T0126DA	338
1T0127	338
1T0127DA	338
1T0129	338
1T0129DA	338
1T0130	332, 338
1T0131	338
1T0135	337
1T0137	337
1T0138	337

INDEX FOR CODE

Code	Page
1T0140	337
1T0141	337
1T0141DA	337
1T0142	337
1T0145	337
1T0145DA	337
1T0146	337
1T0147	337
1T0148	337
1T0151	337
1T0152	337
1T0230	404, 407
1T0230D	404, 407
1T0231	404
1T0231D	404
1T0240	169, 171, 173, 174, 176, 177
1T0290	491
1T0291	307
1T0298	307
1T0500	155, 157, 159, 161, 162, 163, 169, 171, 173, 174, 176, 177, 201, 203, 213, 215, 221, 223, 225, 229
1T0501	155, 157, 159, 161, 162, 163, 169, 171, 173, 174, 176, 177, 201, 203, 213, 215, 221, 223, 225, 229
1T0502	155, 157, 159, 161, 162, 163, 165, 201, 213, 215, 221
1T0684	298
1T0685	298
1T0690	298
1T0691	298
1T0739	303
1T0741	303
1T0742	303
1T0758	298
1T0759	298
1T1100	405
1T1102	405
1T1104	407
1T1172	67
1T1173	67
1T1174	67
1T1178	157
1T1179	157
1T1180	157
1T1191	180
1T1194	156
1T1195	156
1T1196	156
1T1199	231
1T1200	231
1T1215	62
1T1216	62
1T1216DA	62
1T1217	62
1T1219	62
1T1220	62
1T1220DA	62
1T1221	62

Code	Page
1T1222	62
1T1223	62
1T1223DA	62
1T1224	62
1T1229	63
1T1230	63
1T1230DA	63
1T1231	63
1T1233	63
1T1234	63
1T1234DA	63
1T1235	63
1T1236	63
1T1237	63
1T1237DA	63
1T1238	63
1T1244	67
1T1245	67
1T1246	67
1T1249	157
1T1290	200
1T1291	200
1T1292	200
1T1293	200
1T1294	200
1T1295	200
1T1296	200
1T1297	200
1T1298	200
1T1299	200
1T1300	200
1T1301	200
1T1302	200
1T1303	200
1T1304	200
1T1305	200
1T1306	200
1T1307	200
1T1308	200
1T1309	200
1T1310	200
1T1311	200
1T1312	200
1T1313	200
1T1314	201
1T1315	201
1T1316	201
1T1317	201
1T1318	201
1T1319	201
1T1320	202
1T1321	202
1T1322	202
1T1323	202
1T1324	202
1T1325	202
1T1326	202
1T1327	202
1T1328	202

Code	Page
1T1329	202
1T1330	202
1T1331	202
1T1332	202
1T1333	202
1T1334	202
1T1335	202
1T1336	202
1T1337	202
1T1338	203
1T1339	203
1T1340	203
1T1341	203
1T1342	203
1T1343	203
1T1357	298
1T1359	298
1T1377	298
1T1413	306
1T1414	306
1T1415	306
1T1416	306
1T1417	306
1T1418	306
1T1419	306
1T1420	306
1T1421	306
1T1422	306
1T1423	306
1T1424	306
1T1425	306
1T1426	306
1T1427	306
1T1428	306
1T1429	306
1T1430	306
1T1462	67
1T1463	67
1T1464	67
1T1696	204, 216, 290, 493, 513
1T1697	204, 216, 290, 493
1T1698	204, 216, 290, 494
1T1699	204, 513
1T1700	204, 216, 290, 491, 513
1T1701	204, 216, 290, 491, 513
1T1702	204, 216, 290, 491, 513
1T1703	204, 216, 290, 491, 513
1T1704	204, 216, 290, 491, 513
1T1705	204, 216, 290, 492
1T1706	204, 216, 290, 492
1T1707	204, 216, 290, 492
1T1708	107, 193, 205, 216, 257, 270, 290, 303, 493, 518
1T1709	107, 193, 205, 216, 257, 270, 290, 303, 493
1T1710	205, 303, 494
1T1711	107, 193, 205, 216, 257, 270, 303, 518

Code	Page
1T1712	107, 193, 205, 216, 257, 270, 290, 303, 491, 518
1T1713	107, 193, 205, 216, 257, 270, 290, 303, 491, 518
1T1714	107, 193, 205, 216, 257, 270, 290, 303, 491, 518
1T1715	107, 193, 205, 216, 257, 270, 290, 303, 491, 518
1T1716	107, 193, 205, 216, 257, 270, 290, 303, 491, 518
1T1717	205, 303, 492
1T1718	205, 303, 492
1T1719	205, 303, 492
1T1737	307
1T1738	307
1T1739	307
1T1740	307
1T1745	115, 151, 197, 261
1T1748	115, 151, 197, 261
1T1751	115, 151, 197, 261
1T1757	85, 87, 89
1T1759	107, 193, 216, 257, 270, 290, 518
1T1766	513
1T1777	107, 193, 216, 257, 270, 290, 518
1T1781	513
1T1786	107, 193, 216, 257, 270, 290, 518
1T1790	513
1T1827	547, 559, 579, 619, 625, 704
1T1848	231
1T1895	231
1T1898	547, 559, 579, 598, 605, 619, 625, 708
1T1932	547, 579, 598, 605, 619, 705
1T2029	296
1T2030	296
1T2031	296
1T2032	296
1T2033	296
1T2034	296
1T2035	297, 300
1T2036	297, 300
1T2037	297, 300
1T2038	297, 300
1T2039	297, 300
1T2040	297
1T2040	300
1T2041	297
1T2042	297
1T2043	297
1T2044	296
1T2045	296
1T2046	296
1T2047	296
1T2048	296
1T2049	296
1T2050	296
1T2051	296
1T2052	296
1T2076	338

Code	Page
1T2076DA	338
1T2078	338
1T2078DA	338
1T2079N	286
1T2080N	286
1T2081N	286
1T2085N	287
1T2086N	287
1T2087N	287
1T2097N	212, 214, 286, 288
1T2098N	212, 214, 286, 288
1T2099N	212, 214, 286, 288
1T2101N	212, 214, 286, 288
1T2102N	212, 214, 286, 288
1T2103N	212, 214, 286, 288
1T2105N	286, 288
1T2106N	286, 288
1T2107N	286, 288
1T2109N	216, 290
1T2110N	216, 290
1T2111N	290
1T2112	290
1T2146	463
1T2147	463
1T2148	463
1T2149	463
1T2150	463
1T2151	463
1T2154	464
1T2155	464
1T2156	464
1T2157	464
1T2158	464
1T2159	464
1T2162	466
1T2163	466
1T2164	466
1T2165	466
1T2166	466
1T2167	466
1T2168	466
1T2169	466
1T2170	466
1T2171	466
1T2172	466
1T2173	466
1T2174	466
1T2175	466
1T2178	468
1T2179	468
1T2180	468
1T2181	468
1T2182	468
1T2183	468
1T2190	469
1T2195	468
1T2196	468
1T2197	469
1T2198	462, 465, 467

Code	Page
1T2204N	212
1T2205N	214
1T2206N	212
1T2207N	212
1T2208N	212
1T2209N	214
1T2210N	214
1T2211N	214
1T2219	243, 249, 279, 290, 295, 303
1T2220	243, 249, 270, 279, 290, 295, 303
1T2221	243, 249, 270, 279, 290, 295, 303
1T2222	243, 249, 270, 279, 290, 295, 303
1T2223	243, 249, 270, 279, 290, 295, 303
1T2224	243, 249, 279, 290, 295, 303
1T2245	547, 559, 579, 619, 625, 705
1T2259	290
1T2260	290
1T2261	290
1T2264	401
1T2264DA	401
1T2265	401
1T2265DA	401
1T2266	705
1T2282N	286
1T2283N	286
1T2284N	286
1T2285N	288
1T2286N	288
1T2287N	288
1T2291N	289
1T2292N	289
1T2293N	289
1T2312	168, 172
1T2313	174, 177
1T2314	169, 173
1T2315	169, 173
1T2316	169, 173
1T2317	169, 173
1T2400	709
1T2408	461
1T2409	461
1T2413	161, 163
1T2414	469
1T2415	469
1T2416	468
1T2417	468
1T2418	67
1T2431	168, 172
1T2432	183
1T2454	279
1T2455	279
1T2462	154, 158
1T2463	155, 159
1T2464	156
1T2465	156
1T2466	157
1T2467	162
1T2468	170
1T2469	170

INDEX FOR CODE

Code	Page
1T2472	171
1T2473	171
1T2474	171
1T2475	171
1T2480	176
1T2505	313
1T2506	313
1T2531	155, 157, 159, 161, 162, 163, 201, 213, 215
1T2532	491
1T2532	182
1T2533	491
1T2533	182
1T2534	491
1T2534	182
1T2535	491
1T2535	182
1T2536	491
1T2536	182
1T2537	182, 494
1T2538	492
1T2538	182
1T2539	492
1T2539	182
1T2540	492
1T2540	182
1T2552	306
1T2553	306
1T2554	306
1T2555	306
1T2556	306
1T2557	306
1T2558N	212, 214, 286, 288
1T2559N	212, 214, 286, 288
1T2560N	286, 288
1T2561N	216, 290
1T2562N	216, 290
1T2563N	290
1T2565	277
1T2566	277
1T2567	277
1T2568	277
1T2569	277
1T2570	277
1T2571	277
1T2572	277
1T2573	277
1T2574	277
1T2575	277
1T2576	277
1T2577	277
1T2578	277
1T2579	277
1T2580	277
1T2581	277
1T2582	277
1T2583	277
1T2584	277
1T2585	277

Code	Page
1T2586	277
1T2587	277
1T2588	277
1T2613	463
1T2614	463
1T2615	463
1T2616	463
1T2617	463
1T2618	463
1T2619	463
1T2620	463
1T2621	463
1T2622	463
1T2623	463
1T2624	463
1T2625	463
1T2626	463
1T2627	463
1T2628	463
1T2629	463
1T2630	463
1T2631	463
1T2632	463
1T2633	464
1T2634	464
1T2635	464
1T2636	464
1T2637	468
1T2638	468
1T2639	468
1T2640	468
1T2641	468
1T2642	468
1T2643	468
1T2644	468
1T2660	407
1T2833	140
1T2913D	31
1T2913DA	31
1T2913EL	31
1T2914D	31
1T2914DA	31
1T2914EL	31
1T2915D	31
1T2915DA	31
1T2915EL	31
1T2916D	31
1T2916DA	31
1T2916EL	31
1T2917D	31
1T2917DA	31
1T2917EL	31
1T2918D	31
1T2918DA	31
1T2918EL	31
1T2919D	31
1T2919DA	31
1T2919EL	31
1T2920D	31

Code	Page
1T2920DA	31
1T2920EL	31
1T2921D	35
1T2921DA	35
1T2921EL	35
1T2922D	35
1T2922DA	35
1T2922EL	35
1T2923D	35
1T2923DA	35
1T2923EL	35
1T2924D	35
1T2924DA	35
1T2924EL	35
1T2925D	35
1T2925DA	35
1T2925EL	35
1T2926D	35
1T2926DA	35
1T2926EL	35
1T2927D	35
1T2927DA	35
1T2927EL	35
1T2928D	35
1T2928DA	35
1T2928EL	35
1T2929D	39
1T2929DA	39
1T2929EL	39
1T2930D	39
1T2930DA	39
1T2930EL	39
1T2931D	39
1T2931DA	39
1T2931EL	39
1T2932D	39
1T2932DA	39
1T2932EL	39
1T2933	30, 34, 39, 43, 47, 123, 131, 137
1T2934	34, 47
1T2935	30, 34, 39, 43, 47, 123, 131, 137
1T2937	48, 140
1T2939	30, 34, 39, 47
1T2940D	33
1T2940DA	33
1T2940EL	33
1T2941D	33
1T2941DA	33
1T2941EL	33
1T2942D	33
1T2942DA	33
1T2942EL	33
1T2943D	33
1T2943DA	33
1T2943EL	33
1T2944D	33
1T2944DA	33
1T2944EL	33
1T2945D	33

Code	Page
1T2945DA	33
1T2945EL	33
1T2946D	33
1T2946DA	33
1T2946EL	33
1T2947D	33
1T2947DA	33
1T2947EL	33
1T2948D	37
1T2948DA	37
1T2948EL	37
1T2949D	37
1T2949DA	37
1T2949EL	37
1T2950D	37
1T2950DA	37
1T2950EL	37
1T2951D	37
1T2951DA	37
1T2951EL	37
1T2952D	37
1T2952DA	37
1T2952EL	37
1T2953D	37
1T2953DA	37
1T2953EL	37
1T2954D	37
1T2954DA	37
1T2954EL	37
1T2955D	37
1T2955DA	37
1T2955EL	37
1T2956D	41
1T2956DA	41
1T2956EL	41
1T2957D	41
1T2957DA	41
1T2957EL	41
1T2958D	41
1T2958DA	41
1T2958EL	41
1T2959D	41
1T2959DA	41
1T2959EL	41
1T2960	48
1T2961	48
1T2962	48
1T2963	211
1T2964	211
1T2965	211
1T3035	30
1T3076D	129
1T3076DA	129
1T3076EL	129
1T3077D	129
1T3077DA	129
1T3077EL	129
1T3080D	129
1T3080DA	129

Code	Page
1T3080EL	129
1T3081D	129
1T3081DA	129
1T3081EL	129
1T3082D	129
1T3082DA	129
1T3082EL	129
1T3083D	129
1T3083DA	129
1T3083EL	129
1T3084D	130
1T3084DA	130
1T3084EL	130
1T3085D	130
1T3085DA	130
1T3085EL	130
1T3086D	129
1T3086DA	129
1T3086EL	129
1T3087D	129
1T3087DA	129
1T3087EL	129
1T3088D	130
1T3088DA	130
1T3088EL	130
1T3089D	130
1T3089DA	130
1T3089EL	130
1T3092D	133
1T3092DA	133
1T3092EL	133
1T3093D	133
1T3093DA	133
1T3093EL	133
1T3096D	133
1T3096DA	133
1T3096EL	133
1T3097D	133
1T3097DA	133
1T3097EL	133
1T3098D	133
1T3098DA	133
1T3098EL	133
1T3099D	133
1T3099DA	133
1T3099EL	133
1T3100D	134
1T3100DA	134
1T3100EL	134
1T3101D	134
1T3101DA	134
1T3101EL	134
1T3102D	133
1T3102DA	133
1T3102EL	133
1T3103D	133
1T3103DA	133
1T3103EL	133
1T3104D	134

Code	Page
1T3104DA	134
1T3104EL	134
1T3105D	134
1T3105DA	134
1T3105EL	134
1T3108D	121
1T3108DA	121
1T3108EL	121
1T3109D	121
1T3109DA	121
1T3109EL	121
1T3112D	121
1T3112DA	121
1T3112EL	121
1T3113D	121
1T3113DA	121
1T3113EL	121
1T3114D	121
1T3114DA	121
1T3114EL	121
1T3115D	121
1T3115DA	121
1T3115EL	121
1T3116D	122
1T3116DA	122
1T3116EL	122
1T3117D	122
1T3117DA	122
1T3117EL	122
1T3118D	121
1T3118DA	121
1T3118EL	121
1T3119D	121
1T3119DA	121
1T3119EL	121
1T3120D	122
1T3120DA	122
1T3120EL	122
1T3121D	122
1T3121DA	122
1T3121EL	122
1T3124D	125
1T3124DA	125
1T3124EL	125
1T3125D	125
1T3125DA	125
1T3125EL	125
1T3128D	125
1T3128DA	125
1T3128EL	125
1T3129D	125
1T3129DA	125
1T3129EL	125
1T3130D	125
1T3130DA	125
1T3130EL	125
1T3131D	125
1T3131DA	125
1T3131EL	125

INDEX FOR CODE

Code	Page
1T3132D	126
1T3132DA	126
1T3132EL	126
1T3133D	126
1T3133DA	126
1T3133EL	126
1T3134D	125
1T3134DA	125
1T3134EL	125
1T3135D	125
1T3135DA	125
1T3135EL	125
1T3136D	126
1T3136DA	126
1T3136EL	126
1T3137D	126
1T3137DA	126
1T3137EL	126
1T3138	123, 127, 131, 135, 137
1T3139	123, 127, 131, 135, 137
1T3140	140, 243, 249, 279, 295
1T3141	140, 243, 249, 279, 295
1T3142	107, 140, 193, 216, 243, 249, 257, 270, 279, 295
1T3143	107, 193, 216, 243, 249, 257, 270, 279, 295
1T3144	31, 33, 35, 37, 39, 41, 43, 45, 47, 51, 53, 81, 83, 123, 127, 131, 135, 137, 189, 190
1T3157D	47
1T3157DA	47
1T3157EL	47
1T3158D	47
1T3158DA	47
1T3158EL	47
1T3159D	47
1T3159DA	47
1T3159EL	47
1T3160D	47
1T3160DA	47
1T3160EL	47
1T3162	325
1T3163	325
1T3164	325
1T3165	325
1T3166	327
1T3167	327
1T3168	327
1T3169	327
1T3170	329
1T3171	329
1T3172	329
1T3173	329
1T3174	325
1T3175	325
1T3176	325
1T3177	325
1T3178	327
1T3179	327

Code	Page
1T3180	327
1T3181	327
1T3182	325
1T3183	325
1T3184	325
1T3185	325
1T3186	327
1T3187	327
1T3188	327
1T3189	327
1T3190	329
1T3191	329
1T3192	329
1T3193	329
1T3194	325
1T3195	325
1T3196	325
1T3197	325
1T3198	327
1T3199	327
1T3200	327
1T3201	327
1T3202	325
1T3203	325
1T3204	325
1T3205	325
1T3206	327
1T3207	327
1T3208	327
1T3209	327
1T3210	329
1T3211	329
1T3212	329
1T3213	329
1T3214	325
1T3215	325
1T3216	325
1T3217	325
1T3218	327
1T3219	327
1T3220	327
1T3221	327
1T3222	325
1T3223	325
1T3224	325
1T3225	325
1T3226	327
1T3227	327
1T3228	327
1T3229	327
1T3230	329
1T3231	329
1T3232	329
1T3233	329
1T3234	325
1T3235	325
1T3236	325
1T3237	325
1T3238	327

Code	Page
1T3239	327
1T3240	327
1T3241	327
1T3242	332
1T3243	332
1T3244	332
1T3245	332
1T3246	332
1T3247	332
1T3248	333
1T3249	333
1T3250	333
1T3251	333
1T3252D	31
1T3252DA	31
1T3252EL	31
1T3253D	31
1T3253DA	31
1T3253EL	31
1T3254D	31
1T3254DA	31
1T3254EL	31
1T3255D	31
1T3255DA	31
1T3255EL	31
1T3256D	35
1T3256DA	35
1T3256EL	35
1T3257D	35
1T3257DA	35
1T3257EL	35
1T3258D	35
1T3258DA	35
1T3258EL	35
1T3259D	35
1T3259DA	35
1T3259EL	35
1T3260D	39
1T3260DA	39
1T3260EL	39
1T3261D	39
1T3261DA	39
1T3261EL	39
1T3262D	33
1T3262DA	33
1T3262EL	33
1T3263D	33
1T3263DA	33
1T3263EL	33
1T3264D	33
1T3264DA	33
1T3264EL	33
1T3265D	33
1T3265DA	33
1T3265EL	33
1T3266D	37
1T3266DA	37
1T3266EL	37
1T3267D	37

Code	Page
1T3267DA	37
1T3267EL	37
1T3268D	37
1T3268DA	37
1T3268EL	37
1T3269D	37
1T3269DA	37
1T3269EL	37
1T3270D	41
1T3270DA	41
1T3270EL	41
1T3271D	41
1T3271DA	41
1T3271EL	41
1T3272	347
1T3273	347
1T3274	347
1T3275	347
1T3292	349
1T3293	349
1T3294	349
1T3295	349
1T3296	347
1T3297	347
1T3298	347
1T3299	347
1T3316	349
1T3317	349
1T3318	349
1T3319	349
1T3320	347
1T3321	347
1T3322	347
1T3323	347
1T3340	349
1T3341	349
1T3342	349
1T3343	349
1T3344	347
1T3345	347
1T3346	347
1T3347	347
1T3364	349
1T3365	349
1T3366	349
1T3367	349
1T3368D	43
1T3368DA	43
1T3368EL	43
1T3369D	43
1T3369DA	43
1T3369EL	43
1T3370D	43
1T3370DA	43
1T3370EL	43
1T3371D	43
1T3371DA	43
1T3371EL	43
1T3372D	43

Code	Page
1T3372DA	43
1T3372EL	43
1T3373D	43
1T3373DA	43
1T3373EL	43
1T3374D	45
1T3374DA	45
1T3374EL	45
1T3375D	45
1T3375DA	45
1T3375EL	45
1T3376D	45
1T3376DA	45
1T3376EL	45
1T3377D	45
1T3377DA	45
1T3377EL	45
1T3378D	45
1T3378DA	45
1T3378EL	45
1T3379D	45
1T3379DA	45
1T3379EL	45
1T3388	220
1T3397	221
1T3422	123, 127, 131, 135, 137
1T3423	140, 243, 249, 279, 290, 295
1T3424	140, 243, 249, 279, 295
1T3425	140, 243, 249, 279, 295
1T3426	140, 243, 249, 279, 295
1T3427	140, 243, 249, 279, 295
1T3428	140, 243, 249, 279, 295
1T3429	140, 243, 249, 279, 295
1T3430	140, 243, 249, 279, 295
1T3431	140, 243, 249, 279, 295
1T3432	107, 140, 193, 216, 243, 249, 257, 270, 279, 295
1T3433	331
1T3434	331
1T3435	331
1T3436	331
1T3437	331
1T3438	331
1T3439	331
1T3440	331
1T3441	331
1T3442	331
1T3443	331
1T3444	331
1T3445	331
1T3446	331
1T3447	331
1T3448	331
1T3449	332
1T3450	332
1T3451	332
1T3452	332
1T3453	332
1T3454	332

Code	Page
1T3459	241
1T3460	241
1T3461	241
1T3462	241
1T3467	241
1T3468	241
1T3469	241
1T3470	241
1T3475	241
1T3476	241
1T3477	241
1T3478	241
1T3483	241
1T3484	241
1T3485	241
1T3486	241
1T3491	241
1T3492	241
1T3493	241
1T3494	241
1T3499	241
1T3500	241
1T3501	241
1T3502	241
1T3529	30, 34, 39, 43, 47, 123, 131, 137
1T3530	30, 34, 39, 43, 47, 123, 131, 137
1T3531	34, 47
1T3548D	121
1T3548DA	121
1T3548EL	121
1T3550D	121
1T3550DA	121
1T3550EL	121
1T3551D	121
1T3551DA	121
1T3551EL	121
1T3552D	122
1T3552DA	122
1T3552EL	122
1T3553D	121
1T3553DA	121
1T3553EL	121
1T3554D	122
1T3554DA	122
1T3554EL	122
1T3556D	129
1T3556DA	129
1T3556EL	129
1T3558D	129
1T3558DA	129
1T3558EL	129
1T3559D	129
1T3559DA	129
1T3559EL	129
1T3560D	130
1T3560DA	130
1T3560EL	130
1T3561D	129
1T3561DA	129

INDEX FOR CODE

Code	Page	Code	Page	Code	Page
1T3561EL	129	1T3597	486, 699	1T3623DA	191
1T3562D	130	1T3598	486, 699	1T3623EL	191
1T3562DA	130	1T3599	486, 699	1T3624D	191
1T3562EL	130	1T3600	486, 699	1T3624DA	191
1T3564D	125	1T3601	486, 699	1T3624EL	191
1T3564DA	125	1T3602	486, 699	1T3630	297
1T3564EL	125	1T3603	486, 699	1T3631	297
1T3566D	125	1T3604	486, 699	1T3632	297
1T3566DA	125	1T3605	486, 699	1T3633	297
1T3566EL	125	1T3607D	188	1T3634	297
1T3567D	125	1T3607DA	188	1T3635	297
1T3567DA	125	1T3607EL	188	1T3636	300
1T3567EL	125	1T3608D	188	1T3637	300
1T3568D	126	1T3608DA	188	1T3638	300
1T3568DA	126	1T3608EL	188	1T3639	300
1T3568EL	126	1T3609D	189	1T3647	214
1T3569D	125	1T3609DA	189	1T3648	214
1T3569DA	125	1T3609EL	189	1T3649	214
1T3569EL	125	1T3610D	189	1T3650	214
1T3570D	126	1T3610DA	189	1T3651	212
1T3570DA	126	1T3610EL	189	1T3652	212
1T3570EL	126	1T3611D	189	1T3653	212
1T3572D	133	1T3611DA	189	1T3654	212
1T3572DA	133	1T3611EL	189	1T3684	264
1T3572EL	133	1T3612D	189	1T3684DA	265
1T3574D	133	1T3612DA	189	1T3685	264
1T3574DA	133	1T3612EL	189	1T3685DA	265
1T3574EL	133	1T3613D	191	1T3686	264
1T3575D	133	1T3613DA	191	1T3686DA	265
1T3575DA	133	1T3613EL	191	1T3687	264
1T3575EL	133	1T3614D	191	1T3687DA	265
1T3576D	134	1T3614DA	191	1T3692	264
1T3576DA	134	1T3614EL	191	1T3692DA	265
1T3576EL	134	1T3615D	191	1T3693	264
1T3577D	133	1T3615DA	191	1T3693DA	265
1T3577DA	133	1T3615EL	191	1T3694	264
1T3577EL	133	1T3616D	188	1T3694DA	265
1T3578D	134	1T3616DA	188	1T3695	264
1T3578DA	134	1T3616EL	188	1T3695DA	265
1T3578EL	134	1T3617D	188	1T3696	266
1T3579	485	1T3617DA	188	1T3697	85
1T3580	485	1T3617EL	188	1T3698	85
1T3581	485	1T3618D	189	1T3699	87
1T3582	485, 698	1T3618DA	189	1T3700	87
1T3583	485, 698	1T3618EL	189	1T3701	89
1T3584	485, 698	1T3619D	189	1T3702	89
1T3585	485, 698	1T3619DA	189	1T3705	486, 699
1T3586	485, 578, 698	1T3619EL	189	1T3706	486, 699
1T3587	485, 698	1T3620D	189	1T3707	486, 699
1T3588	485, 698	1T3620DA	189	1T3708	486, 699
1T3589	485, 698	1T3620EL	189	1T3709	486, 699
1T3590	485, 698	1T3621D	189	1T3710	486, 699
1T3591	485, 698	1T3621DA	189	1T3725	48, 140
1T3592	486, 699	1T3621EL	189	1T3726	485, 698
1T3593	486	1T3622D	191	1T3727	107, 193, 216, 257, 270, 290, 518
1T3594	486, 699	1T3622DA	191	1T3743	486
1T3595	486, 699	1T3622EL	191	1T3744	446
1T3596	486, 699	1T3623D	191	1T3745	446

Code	Page
1T3759	447
1T3760	447
1T3762	447
1T3763	447
1T3765	365
1T3766	365
1T3768	364
1T3769	364
1T3771	449
1T3772	449
1T3782	211
1T3783	211
1T3885	474
1T3886	474
1T3887	474
1T3888	474
1T3889	474
1T3890	474
1T3891	474
1T3892	474
1T3893	474
1T3894	474
1T3895	474
1T3896	474
1T3897	474
1T3898	474
1T3899	474
1T3915	478
1T3916	478
1T3917	478
1T3918	478
1T3919	478
1T3920	478
1T3921	478
1T3922	478
1T3923	478
1T3924	478
1T3925	478
1T3926	478
1T3931	476
1T3932	476
1T3933	476
1T3934	476
1T3935	85
1T3936	85
1T3937	87
1T3938	87
1T3939	89
1T3940	89
1T3941	278
1T3942	278
1T3943	278
1T3944	278
1T3945	278
1T3946	278
1T3947	278
1T3948	278
1T3949	278

Code	Page
1T3950	278
1T3951	278
1T3952	278
1T3953	278
1T3954	278
1T3955	278
1T3956	278
1T3957	278
1T3958	278
1T3959	309
1T3960	309
1T3961	309
1T3962	309
1T3963	309
1T3966	309
1T3978	356, 358, 359, 360, 417
1T3979	416
1T3980	416
1T3985	417
1T3986	417
1T3991	417
1T3992	417
1T3997	418
1T3998	418
1T3999	418
1T4000	419
1T4001	419
1T4002	426
1T4003	426
1T4004	426
1T4005	422
1T4006	422
1T4007	210
1T4008	210
1T4009	210
1T4010	210
1T4011	210
1T4012	210
1T4013	210
1T4014	210
1T4015	210
1T4016	210
1T4017	210
1T4018	210
1T4019	210
1T4020	210
1T4021	210
1T4022	210
1T4023	210
1T4024	210
1T4025	210
1T4026	210
1T4027	210
1T4028	210
1T4029	210
1T4030	210
1T4031	282
1T4032	282

Code	Page
1T4033	282
1T4034	282
1T4035	282
1T4036	282
1T4037	282
1T4038	282
1T4039	282
1T4040	282
1T4041	282
1T4042	282
1T4043	282
1T4044	282
1T4045	282
1T4046	282
1T4047	282
1T4048	282
1T4049	356
1T4050	356
1T4051	358
1T4052	358
1T4053	359
1T4054	359
1T4055	360
1T4056	360
1T4061	347, 349
1T4062	347, 349
1T4063	397
1T4065	397
1T4067	397
1T4069	397
1T4071	397, 398
1T4072	397, 398
1T4074	393, 397, 398, 399
1T4075	397
1T4076	361
1T4077	361
1T4082	361
1T4083	361
1T4088	361
1T4089	361
1T4112D	188
1T4112DA	188
1T4112EL	188
1T4113D	188
1T4113DA	188
1T4113EL	188
1T4114D	188
1T4114DA	188
1T4114EL	188
1T4115D	188
1T4115DA	188
1T4115EL	188
1T4116D	190
1T4116DA	190
1T4116EL	190
1T4117D	190
1T4117DA	190
1T4117EL	190

INDEX FOR CODE

Code	Page
1T4118D	190
1T4118DA	190
1T4118EL	190
1T4119D	190
1T4119DA	190
1T4119EL	190
1T4120D	190
1T4120DA	190
1T4120EL	190
1T4121D	190
1T4121DA	190
1T4121EL	190
1T4122D	190
1T4122DA	190
1T4122EL	190
1T4123D	190
1T4123DA	190
1T4123EL	190
1T4124D	191
1T4124DA	191
1T4124EL	191
1T4125D	191
1T4125DA	191
1T4125EL	191
1T4126D	191
1T4126DA	191
1T4126EL	191
1T4127D	191
1T4127DA	191
1T4127EL	191
1T4128D	191
1T4128DA	191
1T4128EL	191
1T4129D	191
1T4129DA	191
1T4129EL	191
1T4142	439
1T4143	439
1T4144	439
1T4145	439
1T4146	439
1T4147	439
1T4148	439
1T4149	439
1T4150	441
1T4151	441
1T4152	441
1T4153	441
1T4154	374
1T4155	374
1T4156	374
1T4157	374
1T4158	376
1T4159	376
1T4160	377
1T4161	377
1T4162	376
1T4163	376

Code	Page
1T4164	377
1T4165	377
1T4166	378
1T4167	378
1T4168	379
1T4169	379
1T4170	441
1T4171	441
1T4172	441
1T4173	441
1T4174	441
1T4175	441
1T4176	441
1T4177	441
1T4178	378
1T4179	378
1T4180	378
1T4181	378
1T4182	379
1T4183	379
1T4184	379
1T4185	379
1T4186	410
1T4187	410
1T4188	410
1T4189	410
1T4190	412
1T4191	412
1T4192	437
1T4193	437
1T4194	437
1T4195	437
1T4197	268
1T4197DA	268
1T4198	268
1T4198DA	268
1T4199	268
1T4199DA	268
1T4200	312
1T4201	268
1T4201DA	268
1T4202	268
1T4202DA	268
1T4203	268
1T4203DA	268
1T4204	312
1T4205	370
1T4206	370
1T4207	370
1T4208	370
1T4209	370
1T4210	370
1T4211	370
1T4212	370
1T4213	30, 34, 39, 43, 47, 123, 131, 137
1T4215D	586
1T4215DA	586
1T4215EL	586

Code	Page
1T4240	397
1T4241	398
1T4242	398
1T4243	398
1T4244	398
1T4245	399
1T4246	399
1T4247	399
1T4248	399
1T4249	265
1T4249DA	266
1T4250	265
1T4250DA	266
1T4251	265
1T4251DA	266
1T4252	265
1T4252DA	266
1T4253	265
1T4253DA	266
1T4254	265
1T4254DA	266
1T4255	265
1T4255DA	266
1T4256	265
1T4256DA	266
1T4257	269
1T4257DA	269
1T4258	269
1T4258DA	269
1T4259	269
1T4259DA	269
1T4260	269
1T4260DA	269
1T4261	269
1T4261DA	269
1T4262	269
1T4262DA	269
1T4263	312
1T4322	115, 151, 197, 261
1T4324	115, 151, 197, 261
1T4325	115, 197, 261
1T4500	453
1T4501	453
1T4502	453
1T4503	453
1T4506	451
1T4507	451
1T4512	455
1T4513	455
1T4514	455
1T4515	455
1T4522	393
1T4523	393
1T4524	393
1T4525	393
1T4696	51, 53, 147, 149
1T4697	51, 53, 147, 149
1T4698	51, 53, 147, 149

Code	Page
1T4699	51, 53, 147, 149
1T4700	147
1T4701	147
1T4702	149
1T4703	149
1T4704	51, 53, 147, 149
1T4705	51, 53, 147, 149
1T4706	147
1T4707	147
1T4708	147
1T4709	147
1T4710	148
1T4711	148
1T4712	148
1T4713	148
1T4714	149
1T4715	149
1T4716	149
1T4717	149
1T4718	149
1T4719	149
1T4720	149
1T4721	115, 151, 197, 261
1T4730	475
1T4731	475
1T4732	475
1T4733	475
1T4734	475
1T4735	475
1T4736	475
1T4737	475
1T4738	475
1T4739	475
1T4740	475
1T4741	475
1T4742	475
1T4743	475
1T4744	475
1T4745	477
1T4746	477
1T4747	477
1T4748	477
1T4749	477
1T4750	477
1T4751	477
1T4752	477
1T4753	477
1T4754DA	80
1T4754EL	80
1T4755DA	80
1T4755EL	80
1T4756DA	80
1T4756EL	80
1T4757DA	80
1T4757EL	80
1T4758DA	80
1T4758EL	80
1T4759DA	80

Code	Page
1T4759EL	80
1T4760DA	80
1T4760EL	80
1T4761DA	80
1T4761EL	80
1T4762EL	341
1T4763EL	341
1T4764EL	341
1T4765EL	341
1T4766EL	341
1T4767EL	341
1T4768EL	341
1T4769EL	341
1T4770DA	83
1T4770EL	83
1T4771DA	83
1T4771EL	83
1T4772DA	83
1T4772EL	83
1T4773DA	83
1T4773EL	83
1T4774DA	83
1T4774EL	83
1T4775DA	83
1T4775EL	83
1T4776DA	83
1T4776EL	83
1T4777DA	83
1T4777EL	83
1T4797D	128
1T4797DA	128
1T4797EL	128
1T4798D	128
1T4798DA	128
1T4798EL	128
1T4799D	132
1T4799DA	132
1T4799EL	132
1T4800D	132
1T4800DA	132
1T4800EL	132
1T4801D	120
1T4801DA	120
1T4801EL	120
1T4802D	120
1T4802DA	120
1T4802EL	120
1T4803D	124
1T4803DA	124
1T4803EL	124
1T4804D	124
1T4804DA	124
1T4804EL	124
1T4805D	120
1T4805DA	120
1T4805EL	120
1T4806D	128
1T4806DA	128

Code	Page
1T4806EL	128
1T4807D	124
1T4807DA	124
1T4807EL	124
1T4808D	132
1T4808DA	132
1T4808EL	132
1T4809D	132
1T4809DA	132
1T4809EL	132
1T4810D	132
1T4810DA	132
1T4810EL	132
1T4811D	120
1T4811DA	120
1T4811EL	120
1T4812D	120
1T4812DA	120
1T4812EL	120
1T4813D	124
1T4813DA	124
1T4813EL	124
1T4814D	124
1T4814DA	124
1T4814EL	124
1T4815D	120
1T4815DA	120
1T4815EL	120
1T4816D	128
1T4816DA	128
1T4816EL	128
1T4817D	124
1T4817DA	124
1T4817EL	124
1T4818D	132
1T4818DA	132
1T4818EL	132
1T4819D	128
1T4819DA	128
1T4819EL	128
1T4820D	128
1T4820DA	128
1T4820EL	128
1T4821DA	51
1T4821EL	51
1T4822DA	51
1T4822EL	51
1T4823DA	51
1T4823EL	51
1T4824DA	51
1T4824EL	51
1T4825DA	53
1T4825EL	53
1T4826DA	53
1T4826EL	53
1T4827DA	53
1T4827EL	53
1T4828DA	53

INDEX FOR CODE

Code	Page	Code	Page	Code	Page
1T4828EL	53	1T4887	240	1T4953EL	109
1T4838D	136	1T4888	240	1T4954DA	112
1T4838DA	136	1T4889	240	1T4954EL	111
1T4838EL	136	1T4926DA	110	1T4955DA	112
1T4839D	136	1T4926EL	109	1T4955EL	111
1T4839DA	136	1T4927DA	110	1T4956DA	112
1T4839EL	136	1T4927EL	109	1T4956EL	111
1T4840D	136	1T4928DA	110	1T4957DA	112
1T4840DA	136	1T4928EL	109	1T4957EL	111
1T4840EL	136	1T4929DA	110	1T4958DA	112
1T4841D	136	1T4929EL	109	1T4958EL	111
1T4841DA	136	1T4930DA	110	1T4959DA	112
1T4841EL	136	1T4930EL	109	1T4959EL	111
1T4842EL	294	1T4931DA	110	1T4960DA	112
1T4843EL	294	1T4931EL	109	1T4960EL	111
1T4844EL	294	1T4932DA	110	1T4961DA	112
1T4845EL	294	1T4932EL	109	1T4961EL	111
1T4846EL	294	1T4933DA	110	1T4962DA	112
1T4847EL	294	1T4933EL	109	1T4962EL	111
1T4848EL	294	1T4934DA	110	1T4963DA	112
1T4849EL	294	1T4934EL	109	1T4963EL	111
1T4850EL	294	1T4935DA	110	1T4964DA	112
1T4851EL	294	1T4935EL	109	1T4964EL	111
1T4852EL	294	1T4936DA	110	1T4965DA	112
1T4853EL	294	1T4936EL	109	1T4965EL	111
1T4854EL	294	1T4937DA	110	1T4966DA	112
1T4855EL	294	1T4937EL	109	1T4966EL	111
1T4856EL	294	1T4938DA	110	1T4967DA	112
1T4857EL	294	1T4938EL	109	1T4967EL	111
1T4858EL	294	1T4939DA	110	1T4968DA	112
1T4859EL	294	1T4939EL	109	1T4968EL	111
1T4860EL	294	1T4940DA	110	1T4969DA	112
1T4861EL	294	1T4940EL	109	1T4969EL	111
1T4862EL	294	1T4941DA	110	1T4970DA	112
1T4863EL	294	1T4941EL	109	1T4970EL	111
1T4864EL	294	1T4942DA	110	1T4971DA	112
1T4865EL	294	1T4942EL	109	1T4971EL	111
1T4866	240	1T4943DA	110	1T4972DA	112
1T4867	240	1T4943EL	109	1T4972EL	111
1T4868	240	1T4944DA	110	1T4973DA	112
1T4869	240	1T4944EL	109	1T4973EL	111
1T4870	240	1T4945DA	110	1T4974DA	112
1T4871	240	1T4945EL	109	1T4974EL	111
1T4872	240	1T4946DA	110	1T4975DA	112
1T4873	240	1T4946EL	109	1T4975EL	111
1T4874	240	1T4947DA	110	1T4976DA	112
1T4875	240	1T4947EL	109	1T4976EL	111
1T4876	240	1T4948DA	110	1T4977DA	112
1T4877	240	1T4948EL	109	1T4977EL	111
1T4878	240	1T4949DA	110	1T4978DA	114
1T4879	240	1T4949EL	109	1T4978EL	113
1T4880	240	1T4950DA	110	1T4979DA	114
1T4881	240	1T4950EL	109	1T4979EL	113
1T4882	240	1T4951DA	110	1T4980DA	114
1T4883	240	1T4951EL	109	1T4980EL	113
1T4884	240	1T4952DA	110	1T4981DA	114
1T4885	240	1T4952EL	109	1T4981EL	113
1T4886	240	1T4953DA	110	1T4982DA	114

Code	Page
1T4982EL	113
1T4983DA	114
1T4983EL	113
1T4984DA	114
1T4984EL	113
1T4985DA	114
1T4985EL	113
1T4986DA	114
1T4986EL	113
1T4987DA	114
1T4987EL	113
1T4988DA	114
1T4988EL	113
1T4989DA	114
1T4989EL	113
1T4990DA	114
1T4990EL	113
1T4991DA	114
1T4991EL	113
1T4992DA	114
1T4992EL	113
1T4993DA	114
1T4993EL	113
1T4994DA	114
1T4994EL	113
1T4995DA	114
1T4995EL	113
1T4996DA	114
1T4996EL	113
1T4997DA	114
1T4997EL	113
1T4998DA	114
1T4998EL	113
1T4999DA	114
1T4999EL	113
1T5000DA	114
1T5000EL	113
1T5001DA	114
1T5001EL	113
1T5010DA	260
1T5010EL	259
1T5011DA	260
1T5011EL	259
1T5012DA	260
1T5012EL	259
1T5013DA	260
1T5013EL	259
1T5014DA	260
1T5014EL	259
1T5015DA	260
1T5015EL	259
1T5016DA	260
1T5016EL	259
1T5017DA	260
1T5017EL	259
1T5018DA	260
1T5018EL	259
1T5019DA	260

Code	Page
1T5019EL	259
1T5020DA	260
1T5020EL	259
1T5021DA	260
1T5021EL	259
1T5022DA	260
1T5022EL	259
1T5023DA	260
1T5023EL	259
1T5024DA	260
1T5024EL	259
1T5025DA	260
1T5025EL	259
1T5026DA	260
1T5026EL	259
1T5027DA	260
1T5027EL	259
1T5028DA	260
1T5028EL	259
1T5029DA	260
1T5029EL	259
1T5030DA	260
1T5030EL	259
1T5031DA	260
1T5031EL	259
1T5032DA	260
1T5032EL	259
1T5033DA	260
1T5033EL	259
1T5034DA	254
1T5034EL	253
1T5035DA	256
1T5035EL	255
1T5036DA	254
1T5036EL	253
1T5037DA	256
1T5037EL	255
1T5038DA	254
1T5038EL	253
1T5039DA	256
1T5039EL	255
1T5040DA	254
1T5040EL	253
1T5041DA	256
1T5041EL	255
1T5042DA	254
1T5042EL	253
1T5043DA	256
1T5043EL	255
1T5044DA	254
1T5044EL	253
1T5045DA	256
1T5045EL	255
1T5046DA	254
1T5046EL	253
1T5047DA	256
1T5047EL	255
1T5048DA	254

Code	Page
1T5048EL	253
1T5049DA	256
1T5049EL	255
1T5050DA	254
1T5050EL	253
1T5051DA	256
1T5051EL	255
1T5052DA	254
1T5052EL	253
1T5053DA	256
1T5053EL	255
1T5054DA	254
1T5054EL	253
1T5055DA	256
1T5055EL	255
1T5056DA	254
1T5056EL	253
1T5057DA	256
1T5057EL	255
1T5058DA	254
1T5058EL	253
1T5059DA	256
1T5059EL	255
1T5060DA	254
1T5060EL	253
1T5061DA	256
1T5061EL	255
1T5062DA	254
1T5062EL	253
1T5063DA	256
1T5063EL	255
1T5064DA	254
1T5064EL	253
1T5065DA	256
1T5065EL	255
1T5066DA	254
1T5066EL	253
1T5067DA	256
1T5067EL	255
1T5068DA	254
1T5068EL	253
1T5069DA	256
1T5069EL	255
1T5070DA	254
1T5070EL	253
1T5071DA	256
1T5071EL	255
1T5072DA	254
1T5072EL	253
1T5073DA	256
1T5073EL	255
1T5074DA	254
1T5074EL	253
1T5075DA	256
1T5075EL	255
1T5076DA	254
1T5076EL	253
1T5077DA	256

INDEX FOR CODE

Code	Page
1T5077EL	255
1T5078DA	254
1T5078EL	253
1T5079DA	256
1T5079EL	255
1T5080DA	254
1T5080EL	253
1T5081DA	256
1T5081EL	255
1T5082DA	254
1T5082EL	253
1T5083DA	256
1T5083EL	255
1T5084DA	254
1T5084EL	253
1T5085DA	256
1T5085EL	255
1T5086DA	254
1T5086EL	253
1T5087DA	256
1T5087EL	255
1T5088DA	254
1T5088EL	253
1T5089DA	256
1T5089EL	255
1T5090DA	254
1T5090EL	253
1T5091DA	256
1T5091EL	255
1T5092DA	254
1T5092EL	253
1T5093DA	256
1T5093EL	255
1T5094DA	254
1T5094EL	253
1T5095DA	256
1T5095EL	255
1T5096DA	254
1T5096EL	253
1T5097DA	256
1T5097EL	255
1T5098DA	96
1T5098EL	95
1T5099DA	98
1T5099EL	97
1T5100DA	96
1T5100EL	95
1T5101DA	98
1T5101EL	97
1T5102DA	96
1T5102EL	95
1T5103DA	98
1T5103EL	97
1T5104DA	96
1T5104EL	95
1T5105DA	98
1T5105EL	97
1T5106DA	96

Code	Page
1T5106EL	95
1T5107DA	98
1T5107EL	97
1T5108DA	96
1T5108EL	95
1T5109DA	98
1T5109EL	97
1T5110DA	96
1T5110EL	95
1T5111DA	98
1T5111EL	97
1T5112DA	96
1T5112EL	95
1T5113DA	98
1T5113EL	97
1T5114DA	96
1T5114EL	95
1T5115DA	98
1T5115EL	97
1T5116DA	96
1T5116EL	95
1T5117DA	98
1T5117EL	97
1T5118DA	96
1T5118EL	95
1T5119DA	98
1T5119EL	97
1T5120DA	96
1T5120EL	95
1T5121DA	98
1T5121EL	97
1T5122DA	96
1T5122EL	95
1T5123DA	98
1T5123EL	97
1T5124DA	96
1T5124EL	95
1T5125DA	98
1T5125EL	97
1T5126DA	96
1T5126EL	95
1T5127DA	98
1T5127EL	97
1T5128DA	96
1T5128EL	95
1T5129DA	98
1T5129EL	97
1T5130DA	96
1T5130EL	95
1T5131DA	98
1T5131EL	97
1T5132DA	96
1T5132EL	95
1T5133DA	98
1T5133EL	97
1T5134DA	96
1T5134EL	95
1T5135DA	98

Code	Page
1T5135EL	97
1T5136DA	96
1T5136EL	95
1T5137DA	98
1T5137EL	97
1T5138DA	96
1T5138EL	95
1T5139DA	98
1T5139EL	97
1T5140DA	96
1T5140EL	95
1T5141DA	98
1T5141EL	97
1T5142DA	96
1T5142EL	95
1T5143DA	98
1T5143EL	97
1T5144DA	96
1T5144EL	95
1T5145DA	98
1T5145EL	97
1T5146DA	96
1T5146EL	95
1T5147DA	98
1T5147EL	97
1T5148DA	96
1T5148EL	95
1T5149DA	98
1T5149EL	97
1T5150DA	96
1T5150EL	95
1T5151DA	98
1T5151EL	97
1T5152DA	96
1T5152EL	95
1T5153DA	98
1T5153EL	97
1T5154DA	96
1T5154EL	95
1T5155DA	98
1T5155EL	97
1T5156DA	96
1T5156EL	95
1T5157DA	98
1T5157EL	97
1T5158DA	96
1T5158EL	95
1T5159DA	98
1T5159EL	97
1T5160DA	96
1T5160EL	95
1T5161DA	98
1T5161EL	97
1T5162DA	100
1T5162EL	99
1T5163DA	102
1T5163EL	101
1T5164DA	100

Code	Page
1T5164EL	99
1T5165DA	102
1T5165EL	101
1T5166DA	100
1T5166EL	99
1T5167DA	102
1T5167EL	101
1T5168DA	100
1T5168EL	99
1T5169DA	102
1T5169EL	101
1T5170DA	100
1T5170EL	99
1T5171DA	102
1T5171EL	101
1T5172DA	100
1T5172EL	99
1T5173DA	102
1T5173EL	101
1T5174DA	100
1T5174EL	99
1T5175DA	102
1T5175EL	101
1T5176DA	100
1T5176EL	99
1T5177DA	102
1T5177EL	101
1T5178DA	100
1T5178EL	99
1T5179DA	102
1T5179EL	101
1T5180DA	100
1T5180EL	99
1T5181DA	102
1T5181EL	101
1T5182DA	100
1T5182EL	99
1T5183DA	102
1T5183EL	101
1T5184DA	100
1T5184EL	99
1T5185DA	102
1T5185EL	101
1T5186DA	100
1T5186EL	99
1T5187DA	102
1T5187EL	101
1T5188DA	100
1T5188EL	99
1T5189DA	102
1T5189EL	101
1T5190DA	100
1T5190EL	99
1T5191DA	102
1T5191EL	101
1T5192DA	100
1T5192EL	99
1T5193DA	102

Code	Page
1T5193EL	101
1T5194DA	100
1T5194EL	99
1T5195DA	102
1T5195EL	101
1T5196DA	100
1T5196EL	99
1T5197DA	102
1T5197EL	101
1T5198DA	100
1T5198EL	99
1T5199DA	102
1T5199EL	101
1T5200DA	100
1T5200EL	99
1T5201DA	102
1T5201EL	101
1T5202DA	104
1T5202EL	103
1T5203DA	106
1T5203EL	105
1T5204DA	104
1T5204EL	103
1T5205DA	106
1T5205EL	105
1T5206DA	104
1T5206EL	103
1T5207DA	106
1T5207EL	105
1T5208DA	104
1T5208EL	103
1T5209DA	106
1T5209EL	105
1T5210DA	104
1T5210EL	103
1T5211DA	106
1T5211EL	105
1T5212DA	104
1T5212EL	103
1T5213DA	106
1T5213EL	105
1T5214DA	104
1T5214EL	103
1T5215DA	106
1T5215EL	105
1T5216DA	104
1T5216EL	103
1T5217DA	106
1T5217EL	105
1T5218DA	104
1T5218EL	103
1T5219DA	106
1T5219EL	105
1T5220DA	104
1T5220EL	103
1T5221DA	106
1T5221EL	105
1T5222DA	104

Code	Page
1T5222EL	103
1T5223DA	106
1T5223EL	105
1T5224DA	104
1T5224EL	103
1T5225DA	106
1T5225EL	105
1T5226DA	104
1T5226EL	103
1T5227DA	106
1T5227EL	105
1T5228DA	104
1T5228EL	103
1T5229DA	106
1T5229EL	105
1T5230DA	104
1T5230EL	103
1T5231DA	106
1T5231EL	105
1T5232DA	104
1T5232EL	103
1T5233DA	106
1T5233EL	105
1T5234DA	104
1T5234EL	103
1T5235DA	106
1T5235EL	105
1T5236DA	104
1T5236EL	103
1T5237DA	106
1T5237EL	105
1T5238DA	104
1T5238EL	103
1T5239DA	106
1T5239EL	105
1T5240DA	104
1T5240EL	103
1T5241DA	106
1T5241EL	105
1T5242	51, 53, 151
1T5243	51, 53, 151
1T5244	51, 53, 151
1T5245	51, 53, 151
1T5246	51, 53, 151
1T5247DA	244
1T5247EL	244
1T5248DA	246
1T5248EL	246
1T5249DA	245
1T5249EL	245
1T5250DA	247
1T5250EL	247
1T5251DA	244
1T5251EL	244
1T5252DA	246
1T5252EL	246
1T5253DA	245
1T5253EL	245

INDEX FOR CODE

Code	Page	Code	Page	Code	Page
1T5254DA	247	1T5283DA	244	1T5334DA	266
1T5254EL	247	1T5283EL	244	1T5335	265
1T5255DA	244	1T5284DA	246	1T5335DA	266
1T5255EL	244	1T5284EL	246	1T5336	265
1T5256DA	246	1T5285DA	245	1T5336DA	266
1T5256EL	246	1T5285EL	245	1T5337	268
1T5257DA	245	1T5286DA	247	1T5337DA	268
1T5257EL	245	1T5286EL	247	1T5338	268
1T5258DA	247	1T5287DA	244	1T5338DA	268
1T5258EL	247	1T5287EL	244	1T5339	268
1T5259DA	244	1T5288DA	246	1T5339DA	268
1T5259EL	244	1T5288EL	246	1T5340	268
1T5260DA	246	1T5289DA	245	1T5340DA	268
1T5260EL	246	1T5289EL	245	1T5341	268
1T5261DA	245	1T5290DA	247	1T5341DA	268
1T5261EL	245	1T5290EL	247	1T5342	268
1T5262DA	247	1T5291DA	244	1T5342DA	268
1T5262EL	247	1T5291EL	244	1T5343	269
1T5263DA	244	1T5292DA	246	1T5343DA	269
1T5263EL	244	1T5292EL	246	1T5344	269
1T5264DA	246	1T5293DA	245	1T5344DA	269
1T5264EL	246	1T5293EL	245	1T5345	269
1T5265DA	245	1T5294DA	247	1T5345DA	269
1T5265EL	245	1T5294EL	247	1T5346	269
1T5266DA	247	1T5295D	586	1T5346DA	269
1T5266EL	247	1T5295DA	586	1T5347	269
1T5267DA	244	1T5295EL	586	1T5347DA	269
1T5267EL	244	1T5317	115	1T5348	269
1T5268DA	246	1T5318	115	1T5348DA	269
1T5268EL	246	1T5319	107	1V7134	71, 73
1T5269DA	245	1T5320	107	1V7134S	70, 72
1T5269EL	245	1T5321	264	1V7160	220
1T5270DA	247	1T5321DA	265	1V7161	221
1T5270EL	247	1T5322	264	1V7163	225, 229
1T5271DA	244	1T5322DA	265	1V7164	220
1T5271EL	244	1T5323	264	1V7166	221
1T5272DA	246	1T5323DA	265	1V7171	444
1T5272EL	246	1T5324	264	1V7172	444
1T5273DA	245	1T5324DA	265	1V7173	384
1T5273EL	245	1T5325	264	1V7174	385
1T5274DA	247	1T5325DA	265	1V7177	386, 445
1T5274EL	247	1T5326	264	1V7178	444
1T5275DA	244	1T5326DA	265	1V7179	444
1T5275EL	244	1T5327	264	1V7180	384
1T5276DA	246	1T5327DA	265	1V7181	385
1T5276EL	246	1T5328	264	1V7184	386, 445
1T5277DA	245	1T5328DA	265	1V7213	411, 413
1T5277EL	245	1T5329	265	1V7213AB	411, 413
1T5278DA	247	1T5329DA	266	1V7213DA	411, 413
1T5278EL	247	1T5330	265	1V7244	223
1T5279DA	244	1T5330DA	266	1V7245	224
1T5279EL	244	1T5331	265	1V7246	225
1T5280DA	246	1T5331DA	266	1V7247	223
1T5280EL	246	1T5332	265	1V7248	224
1T5281DA	245	1T5332DA	266	1V7249	225
1T5281EL	245	1T5333	265	1V7250	223
1T5282DA	247	1T5333DA	266	1V7251	224
1T5282EL	247	1T5334	265	1V7252	225

Code	Page
1V7262	385, 411, 413
1V7263	385, 411, 413
1V7264	385, 411, 413
1V7331	386, 445
1V7332	386, 445
1V7333	413
1V7333DA	413
1V7334	413
1V7334DA	413
1V7335	411
1V7335DA	411
1V7336	411
1V7336DA	411
1V7337	411
1V7337DA	411
1V7338	411
1V7338DA	411
1V7339	437
1V7340	437
1V7341	437
1V7341DA	437
1V7342	437
1V7342DA	437
1V7343	413
1V7344	411
1V7345	411
1V7360	386, 445
1V7361	386, 445
1V7364	386, 445
1V7367	386, 445
1V7368	444
1V7369	444
1V7370	384
1V7371	385
1V7372	444
1V7373	444
1V7374	384
1V7375	385
1V7400	74
1V7401	74
1V7402	75
1V7403	75
1V7404	72
1V7405	73
1V7411	229
1V7412	228
1V7413	228
1V7414	229
1V7415	228
1V7416	228
1V7417	229
1V7418	228
1V7419	228
1V7423	229
1V7427	228
1V7431	229
1V7435	228
1V7439	229

Code	Page
1V7443	228
1V7491	70, 72
1V7492	70, 72
1V7493	70, 72
1V7495	70, 72
1V7496	70, 72
1V7497	70, 72
1V7498	70, 72
1V7499	70, 72
1V7500	70, 72
1V7505	71, 73
1V7506	71, 73
1V7507	71, 73
1V7509	71, 73
1V7510	71, 73
1V7511	71, 73
1V7512	71, 73
1V7513	71, 73
1V7514	71, 73
1V7523	411, 413
1V7524	411, 413
1V7543	70
1V7544	71
1V7545	220
1V7546	221
1V7568	384
1V7569	384
1V7613	158, 159, 163
1V7614	172, 173, 177
1V7615	181
323404IP	424
323414E	425
323414EE	424
323414IP	425
323424E	425
323424IP	425
323434E	425
323434IP	425
323494IP	424
323900	426
34331	355
34333	355
34335	355
34335DA	355
34335H	355
34337	354
34337DA	354
34337H	354
34338	354
34338DA	354
34338H	354
34344	354
34345	354
34361	355
34363	355
34364	355
34381	355
34382	355

Code	Page
34383	355
34385	355
344540	433
349400IP	428
349410E	429
349410EE	428
349410IP	429
349420E	429
349420IP	429
349430E	429
349430IP	429
349490IP	428
374404E	420
374404IP	420
374414E	421
374414IP	420
374424E	421
374424IP	421
374604IP	420
380454IP	430
380514	431
396409	374
396419	374
396509	376
396519	377
396529	376
396539	377
396609	439
396619	439
396629	439
396639	439
39762B	448
39762N	448
39763B	448
39763N	448
39764B	448
39764N	448
39765B	448
39765N	448
398400	381
398410	381
398500	380
398510	380
398620	432
398630	432
398640	432
398650	432
40240B	367
40240N	367
40241B	367
40241N	367
40250B	366
40250N	366
40251B	366
40251N	366
41155B	366
41155N	366
41157B	366

INDEX FOR CODE

Code	Page	Code	Page	Code	Page
41157N	366	47263	67	49975	491
413500	376	47274	67	49979	491
413600	439	47276	67	49981	491
413610	439	47282	67	49982	491
414400	378	47291	67	54000D	58
414409	378	47292	67	54000DA	58
414500	379	47293	67	54000EL	58
414509	379	47294	67	54000H	58
414600	441	47298	67	54002D	60
414609	441	47374	67	54002DA	60
414610	441	47376	67	54002EL	60
414619	441	47382	67	54002H	60
41740B	363	47383	67	54003D	59
41740N	363	47385	67	54003DA	59
41741B	363	47386	67	54003EL	59
41741N	363	47391	67	54003H	59
41742B	363	47392	67	54004D	59
41742N	363	47393	67	54004DA	59
41750B	362	47394	67	54004EL	59
41750N	362	47398	67	54004H	59
41751B	362	47567	75, 169, 171, 173, 174, 176, 177, 179, 180, 181, 203, 221, 223, 225, 229, 231	54006D	61
41751N	362	47568	75, 155, 157, 159, 180, 181, 201, 203, 221, 223, 225, 229, 231	54006DA	61
41752B	362	49880	183, 303	54006EL	61
41752N	362	49881	115, 151, 183, 197, 261, 303, 491, 540, 548, 620	54006H	61
41790B	362, 363	49882	115, 151, 183, 197, 261, 303, 491, 540, 548, 620	54008D	58
41790N	362, 363	49886	115, 151, 183, 197, 261, 303, 491, 540, 548, 620	54008DA	58
41791B	362, 363	49887	115, 151, 183, 197, 261, 303, 491, 540, 548, 620	54008EL	58
41791N	362, 363	49891	491	54008H	58
41792B	362, 363	49892	491	54010D	60
41792N	362, 363	49896	491	54010DA	60
42349	179, 181	49897	491	54010EL	60
42650B	371	49898	491	54010H	60
42650N	371	49943	493	54012D	61
42651B	371	49944	493	54012DA	61
42651N	371	49948	307, 493	54012EL	61
42653B	371	49949	307, 493	54012H	61
42653N	371	49950	182, 303, 307, 491	54014D	58
42654B	371	49951	182, 303, 307, 491	54014DA	58
42654N	371	49952	182, 303, 307, 491	54014EL	58
44180	182, 303, 307, 494	49953	182, 303, 307, 491	54014H	58
45010	307	49954	182, 303, 307, 491	54016D	60
45014	307	49956	303, 307, 492	54016DA	60
45015	307	49957	303, 307, 492	54016EL	60
46960DA	64	49958	303, 307, 492	54016H	60
46960EL	64	49959	115, 151, 183, 197, 261, 303, 491, 540, 548, 620	54024D	61
46970DA	64	49969	182	54024DA	61
46970EL	64	49970	491	54024EL	61
46980DA	65	49971	491	54024H	61
46980EL	65	49972	491	54030	67
46990DA	65	49973	491	54034D	59
46990EL	65	49974	491	54034DA	59
47174	67			54034EL	59
47176	67			54034H	59
47191	67			54040	67
47192	67			54090	67
47194	67			54090L	67
47198	67			54091	67
47261	67			54091L	67
47262	67			54092	67

Code	Page
54092L	67
54500	155, 159
54502	155, 159
54503	155, 159
54504	155, 159
54510	154, 158
54511	154, 158
54512	154, 158
54513	154, 158
54518	165
57094	155, 157, 159, 161, 162, 163, 201, 213, 215, 221, 223, 225
57097	155, 157, 159, 161, 162, 163, 201, 213, 215, 221, 223, 225
57098	155, 157, 159, 161, 162, 163, 165, 201, 213, 215, 221
64130	678, 679
64131	678, 679
64132	678, 679
66600	616
66630	616
70115	528
70118	528
701946	479
70335	530
70410	548, 620
70430	530
70433	548, 620
70434	540, 548, 620
70444	530
70445	530
70460	548, 620
70461	548, 620
70462	548, 620
70466	548, 620
70467	548, 620
70632	541, 548, 621
70633	541, 548, 621
70634	541, 548, 621
70710	620
70720	620
712910	476
712920	476
712930	476
712930EM	476
712940	476
712980	479
712981	479
712982	479
712986	478
712993	478
712994	478
712996	479
712997	479
712999	478
714983	479
76600	544
76630	544
9000-1/B-R	315

Code	Page
9000-1/B-ST	315
9000-1/G-R	315
9000-1/G-ST	315
9000-1/W-R	315
9000-1/W-ST	315
9000-2/B-R	315
9000-2/B-ST	315
9000-2/G-R	315
9000-2/G-ST	315
9000-2/W-R	315
9000-2/W-ST	315
9000-3/B-R	315
9000-3/B-ST	315
9000-3/G-R	315
9000-3/G-ST	315
9000-3/W-R	315
9000-3/W-ST	315
9001/B	317
9001/W	317
9002/B	317
9002/W	317
9003/B	316
9003/W	316
9004/B	315
9004/W	315
9010/B	317
9010/W	317
9011/B	316
9011/W	316
9012/B	316
9012/W	316
9013/B	316
9013/W	316
9014/B	316
9014/W	316
9015/B	316
9015/W	316
9016/B	316
9016/W	316
9017/B	316
9017/W	316
9018/B	316
9018/W	316
N55001	311
N55002	311
N55003	311
N55011	311
N55015	312
N55020	313
N55021	313
N55022A	313
N55022B	313
N55023	311
N55024	312
N55027	312
N55037	312
N55039	312
N55040	312
N55042A	312

Code	Page
N55042B	312
N55042C	312
N55042D	312
N55043A	312
N55043B	312
N55044	312
N55082	312
N55101	311
N55102	311
N55103	311
N55120	313
N55121	313
N55122A	313
N55122B	313
N55123	311
N55124	312
N55127	312
N55137	312
N55139	312
N55140	312
N55142A	312
N55142B	312
N55142C	312
N55142D	312
N55143A	312
N55143B	312
N55144	312
N55201	311
N55202	311
N55203	311
N55227	312
N55282	312
N56001	311
N56002	311
N56003	311
N56101	311
N56102	311
N56103	311
N56201	311
N56202	311
N56203	311
N80204	451
N80209	451
N80224	451
N80229	451
N80244	451
N80249	451
S-9000/111	316
S-9000/123	316
S-9000/M-B-KIT	316
S-9000/M-W-KIT	316
S-9000/T	316
S-9000KIT	316
T1585	221, 231, 580
T1586	221, 231, 580
Y00029	339
Y00032	339
Y00043	339

TARGETTI IN THE WORLD

TARGETTI SANKEY S.p.A.

Via Pratese, 164
50145 Firenze - Italia
Phone 055 3791.1
Fax 055 3791.266
targetti@targetti.com
www.targetti.com

Lighting Consulting
project@targetti.com

China

TARGETTI LIGHTING (BEIJING) CO. LTD
Room 1206 Building B Winterless
Center, No.1 West Da Wang Road,
Chaoyang District
Beijing 100026
+86 10 65388956
teresa.yan@targetti.cn

France

TARGETTI FRANCE S.A.S.
8, rue Alfred de Vigny
Paris 75008
+33 (1) 44 29 09 09
targetti.fr@targetti.com

Italy

TARGETTI SANKEY S.P.A.
Via Pratese, 164
Firenze 50145
+39 055 37911
targetti@targetti.com

Russia

TARGETTI RUSSIA
Bolshoy Drovyanoy Pereulok 20 kor.2
Moscow 109004
+7 495 9152169
j.bigazzi@targetti.com

Spain

TARGETTI SPAIN S.A.U
Avda. de Roma, n°69, Bj
Barcelona 08029
+34 93 474 61 71
targetti.es@targetti.com

U.A.E.

TARGETTI MIDDLE EAST
Dubai Airport Free Zone Authority - Bldg.
6 West A - Office 731
Dubai P.O. Box 54744
+9714 6091033
jcoll@targetti.com

UK

TARGETTI UK
288 Bishopsgate
London EC2M 4QP
+ 44 (0) 203 709 4065
m.allen@targetti.com

U.S.A.

TARGETTI USA
750-A West 17th. Street
Costa Mesa, CA 92627
+1 714 513 1991
targetti.usa@targetti.com

Latin America

TARGETTI LATIN AMERICA
Cra 2 Oeste # 5-262,
Edificio Av. Belalcazar, Apt. 901
Cali, Colombia
+57 3128 317174
l.valdrighi@targetti.com

Other countries www.targetti.com

Realization by Marketing Team

project manager

Alessia Usuelli

art director

Francesco Gnozzi

contents

Alessandro Maurelli
Cesare Coppedè
Simone Masselli
Claudio Pucci

photos

Germano Borrelli
Gianni Biagi
Alessandro Maurelli
Federico Paoli
Studio Rinaldelli

print

VAL - Varigrafica Alto Lazio Srl