

A detailed grayscale illustration of an industrial and urban environment. In the foreground, a worker wearing a hard hat and safety vest holds a clipboard. Behind him, a large gear mechanism is visible, with a worker in the background. To the right, there are industrial tanks and a recycling symbol. In the lower left, a bar chart and a circular arrow icon are shown. The overall scene depicts a complex industrial and urban setting.

INDUSTRIAL & URBAN LIGHTING

i-LED

INDUSTRIAL, STREET & URBAN PROFESSIONAL LIGHTING

linealightgroup

LINEA LIGHT GROUP

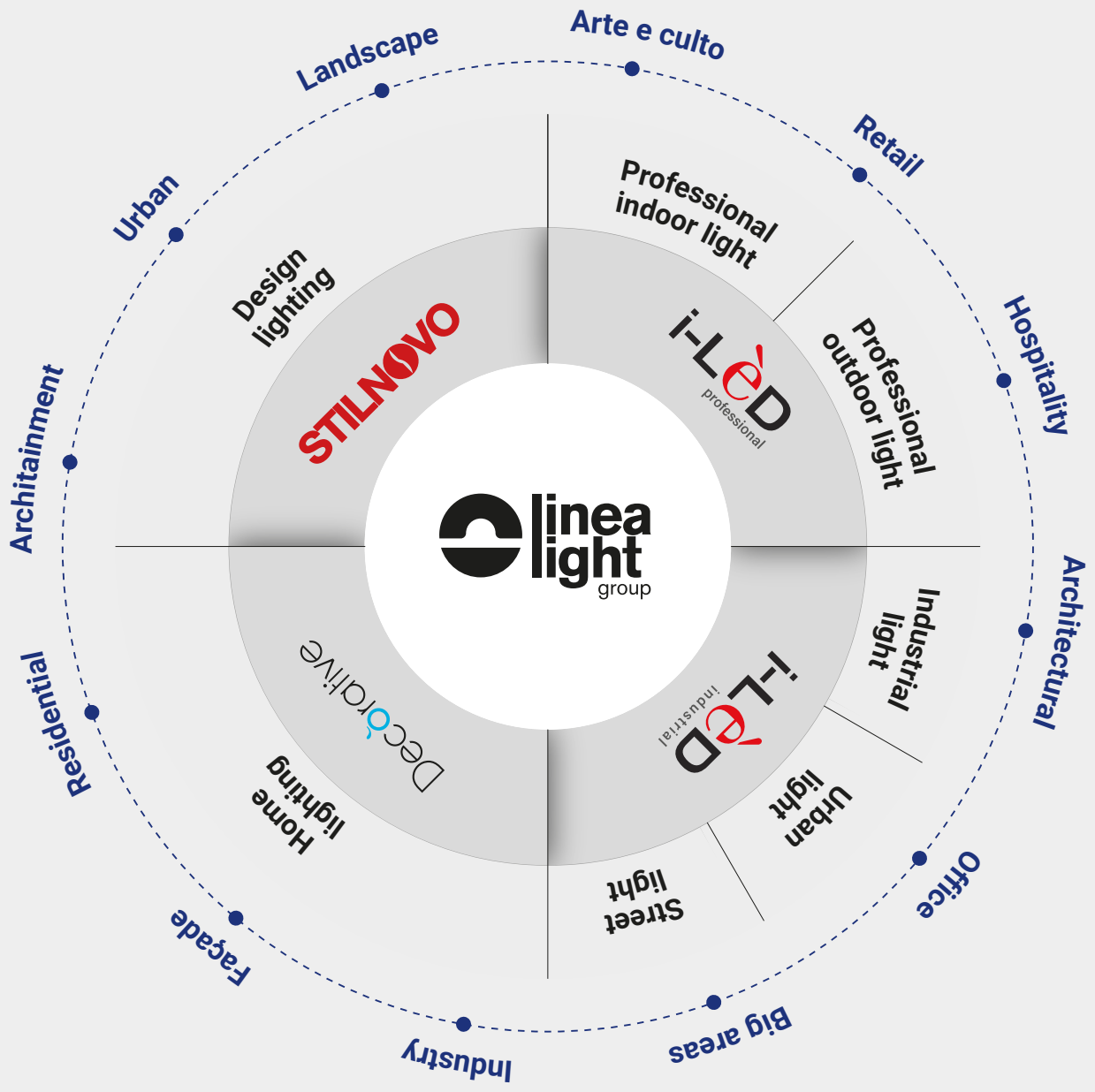
From the time of its establishment in 1985 to the present, Linea Light Group has grown to the point of becoming and being known as one of the major players in technical and decorative lighting. These two spirits co-exist and fuel one another thanks to the group's constant and continuous technological research.

With the recent acquisition of the historic Stilnovo brand, famous for its innovative and experimental products, Linea Light Group's decorative range is enriched. From Stilnovo, we inherited lighting items designed by Ettore Sottsass and De Pas D'urbino Lomazzi, as well as Joe Colombo, and we brought new lights alongside these icons, developed entirely in-house. The acquisition completes the Decòrative collection made up of products with great personality and a strong dramatic presence.

Linea Light Group simultaneously maintains its presence as a leader in professional lighting with the I-Lèd brand, acknowledged as one of the major innovators in the LED area. From 2019, we have been in the urban & industrial lighting segment with dedicated products, reinforcing our presence in the technical lighting market with efficient and innovative products.

The completeness of our catalogues allows us to be present and active on diversified sales channels, so we are able to supply all our customers optimally and quickly. Precision, speed and reliability are the characteristics that have always defined Linea Light Group.








INTERNATIONAL COMPANY

Three production hubs to guarantee
tailored global service at the disposal of
lighting professionals



-  Headquarter
-  Hub-Branches
-  Branches



Linea Light Group is a unique group specialised in a diverse range of domains within the world of lighting. It is independent yet coordinated at the same time. Its formula allows for the creation of complete, unique solutions in any given context: from integrated systems for large residential or public buildings to outdoors or underwater lighting; from home environments to commercial, industrial, institutional or public spaces.

Linea Light Group stands out thanks to a market approach that is attentive to specific requirements and to the demands of local partners. Its "Think Global, Act Local" vision focusses on making connections between different areas and on managing services from a shorter distance. Today, Linea Light Group is a company with a strong international presence and an extensive network: wherever their projects may take them, their partners will be right by their side.





linea
light
group

SUSTAINABILITY, QUALITY AND GUARANTEE

Linea Light Group invests in and continues to pursue a green-oriented philosophy for all company departments, from offices to production to the warehouse. The company has dedicated resources to containing the environmental impact of the various operations for many years, thanks to measures in favour of sustainable development such as the use of almost entirely self-produced renewable energies, the reduction of consumption and CO2 emissions, as well as the recovery and recycling of production scrap and raw materials. These are just a few of the eco-compatible operations undertaken to grow a virtuous economic model. Waste disposal and recycling are two important issues for the Group: all company waste is correctly disposed of, following precise regulations and strict protocols in order to avoid any dispersal into the soil or waterways. This is why, as a Group, our efforts are constantly focused on the research and development of solutions intended to reduce environmental impact to a minimum.

One example is the use of new organic oils as lubricants for our production machinery such as C.N.C. machines and cutting lines. For this instrumentation, we use plant-origin lubricating coolants (synthetic esters-based) and free of mineral oil, chlorine, secondary amines, formaldehyde-releasing preservatives, boron and derivatives thereof. At the end of the production cycle, the depleted oils are recovered and recycled by specialised and certified companies. In addition to this, we also manage other aspects that have led us to an increasingly lower environmental impact. In the first place, the replacement of obsolete and energy-intensive machinery with new, more efficient and therefore more effective equipment. Secondly, the use of special air filters which significantly reduce the emissions of the laser-cutting machinery. The work stations in the individual departments have also been designed to reduce and optimise energy consumption.







MADE IN ITALY

Linea Light Group is a manufacturing organisation which, along with its industrial capacity, has skilfully preserved a measure of that manual craftsmanship which has always characterised "Made in Italy" products. From conception to creation and all the way to assembly, our products are the combination of high technology, research and know-how, a recipe that has made Italian companies unique the world over.

Alongside traditional machines, we have added new, high-performance technologies that allow us to carry out all the processes in-house that have made our products unique. Like the PMMA laser micro-etching machine that is fundamental to OptiLight Technology®.

Linea light Group has equipped itself with systems for waterproofing the luminaires with features for permanent immersion, for perfect sealing of the diffusers and for ultrasonic welding by creating dedicated departments. We have gone beyond construction, a perfect product must also be tested and certified, which is why Linea Light Group has its own in-house laboratory. All tests can be carried out here, from heat resistance, impact resistance, up light carriage ability testing to IP classes for immersion products.



Autostore headquarter, Treviso, Italy



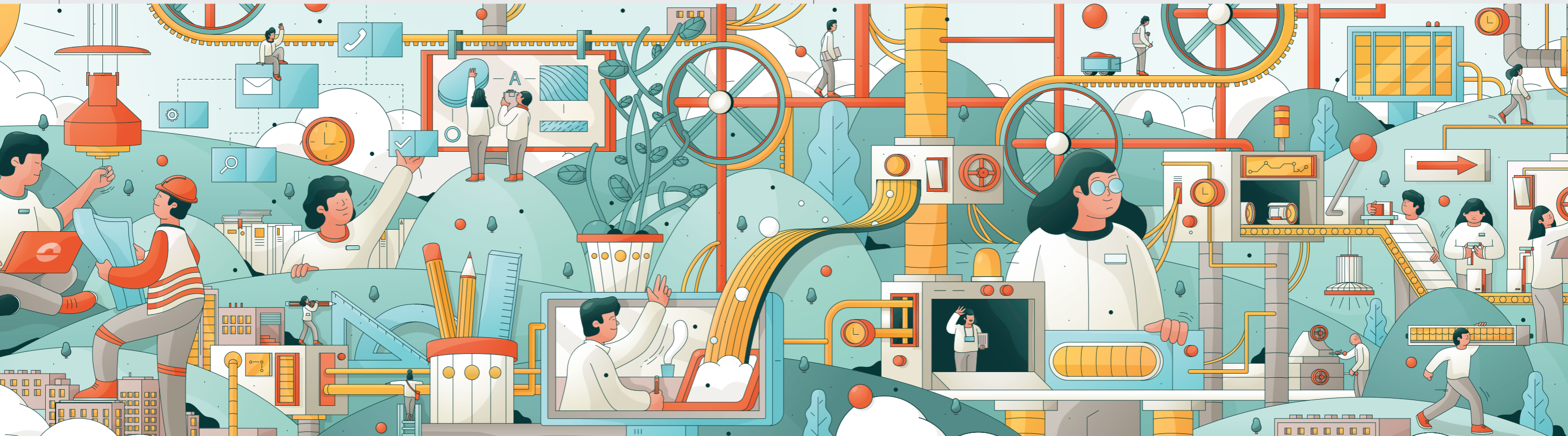
DESIGN

Knowledge of the product, of all its components and smallest details, of the relationship between each individual mechanical and electronic part and of the optics lets us design solutions conceived for the customer.

TEST

The test areas include machinery to conduct heat resistance and impact resistance tests, as well as to check the IP rating, the capability of the uprights to withstand traffic, the resistance of the materials to corrosion and saline environments, etc.

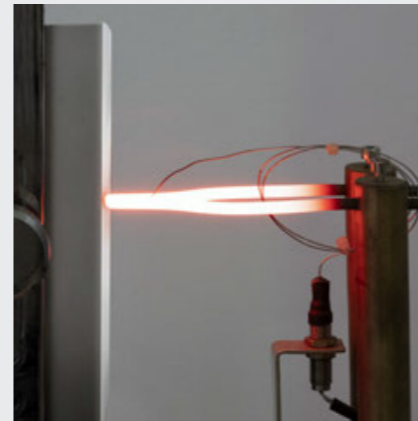
Using specific instrumentation, we are able to test the electronic components against power surges and electrostatic discharges, obtain precise photometric curves or check the reliability of the DALI and bluetooth protocols.



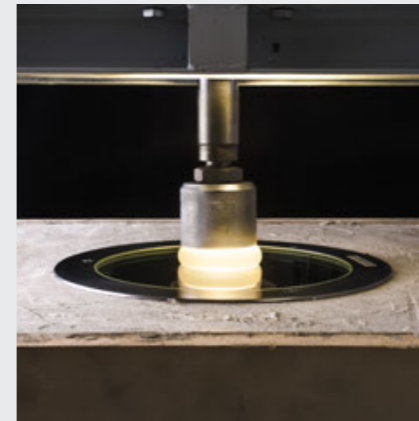
Low temperatures (-30°) resistance test



IP Test



Glow wire test



IK Test



Silencing of the diffuser.

PRODUCTION

Linea Light Group adopts an industrial model which includes, in the various stages that make up the production, a manufacturing approach to the creation and assembly of the products. The typical “know-how” of the craftsman brought into a modern production situation.

LOGISTICS

The new storage warehouse, the heart of the Vazzola (TV) production site, makes up a total of 24,000 m² for a storage capacity of 21,000 load units, equivalent to about 420,000 Kg.



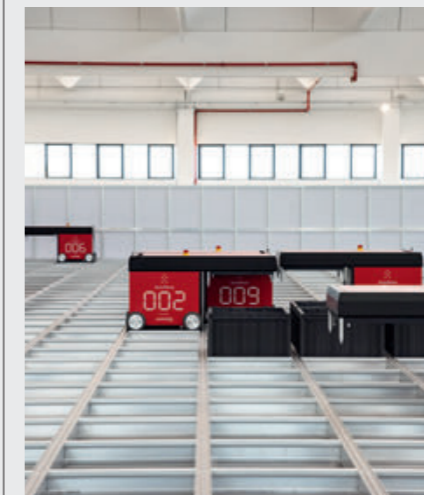
Ultrasonic welding.



CNC machining.



Laser micro-etching machine for PMMA.



10 high efficiency plug-and-play robots, weighing just 150 kg per robot and featuring an energy recovery system in braking, guarantee optimised energy consumption. The work stations have also been designed to reduced consumption.

SOLUTIONS FOR EVERY DESIGN CATEGORY



Sports Areas

Thanks to persistent research and study, Linea Light Group has created specific luminaires for illuminating sports areas. The products in the i-LèD Industrial collection have been designed to express high performance in terms of lumens, visual comfort and durability. The projectors – be they single or modular – come with optics for uniform light distribution and are customisable according to the various sporting needs. The products are equipped with safeguards able to withstand high stresses and shocks as a result of play. What's more, these special devices also offer high aerodynamic efficiency, excellent heat dispersion and excellent resistance to climatic stress.

H-FARM | Treviso, Italy



Office

The modern Office environment is a functional mixture of open and closed spaces. Our i-Lèd products combine power, visual comfort, and glare control and, thanks to their great versatility, perfectly meet all the needs expressed by our customers.

Suspended, recessed and modular systems incorporate light sources designed to avoid eye strain in front of the video terminals to achieve comfortable lighting that enhances occupancy and productivity and stimulates creativity and operability.

Hendress + Hauser | Cernusco, Italy



Street & Urban Lights

The new series of products for illuminating the urban streets and walkways has been designed specifically for the city and its routes. Through i-LèD Industrial, Linea Light Group has defined a complete and high-performance collection, with optics designed to adapt to various road calibrations in respect of the strict regulations in force on visual comfort. Each device is available in a range of forms: symmetrical and asymmetrical, with different types of poles and in four configurations: bike, street, urban and park. All luminaires have variable power and colour temperatures, guaranteeing high visibility and perfect integration into any urban area, tunnel or parking lot.

Capricorn Bridge | Germany



Landscape & Historical Centres

The proper lighting of urban and suburban spaces, gardens and parks has increased their liveability and safety, extending the use of such areas even throughout the evening. i-LèD Industrial luminaires have been designed and manufactured to meet the arduous challenges that outdoor lighting imposes. In view of such objectives, the catalogue has been completed with solutions ranging from contemporary to classic, satisfying the various configurations present in urban hubs. From the historic centre to the small village with lanterns through to the modern metropolis with Smart technological installations.

Krujë castle | Rruga Kala, Krujë, Albania



Industrial

Light in the workplace and, more specifically, in industrial settings is a key issue for human well-being. Working in proper lighting and visual comfort improves efficiency, operability, and productivity. Thanks to IP69 protection, the latest protocols, and ultra-technological materials such as nano polymers, Linea Light Group offers robust and durable solutions. Our luminaires i-Lèd in fact can be used in even the most extreme industrial sectors, including Atex, in complete safety and compliance with regulations.

Parkhaus Zeche Zollverein | Essen, Germany

PROFESSIONAL LIGHTING SYSTEMS FOR INDOOR CULTIVATION



Light is the fundamental element of photosynthesis. Growing is a technology applied to special LED sources and easily adaptable to numerous i-L&D Industrial products. It is the ideal support for the ever-increasing production requirement of vegetables and fruit in all seasons. To obtain the very best results, careful planning is required that includes the type of crop, height of the light units, the growing area and degree of ambient humidity



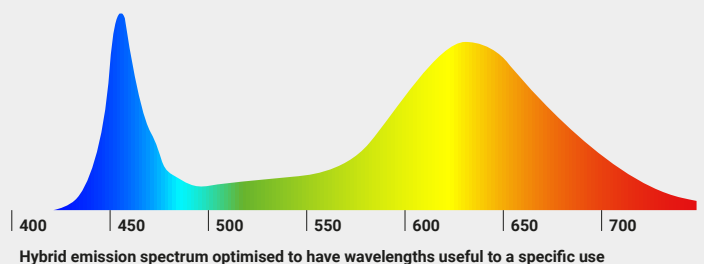
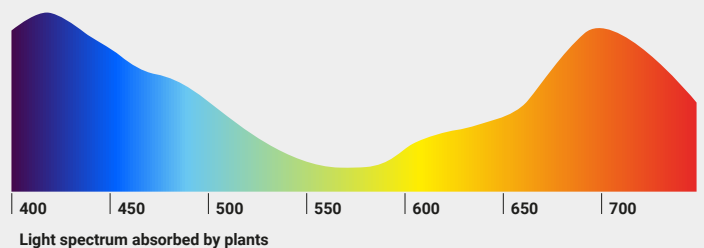
THE RIGHT LIGHT AT ANY TIME, IN ANY SEASON

Growing technology can be applied to the various products of the i-LéD Industrial collection, which allows the greenhouses to remain constantly illuminated, regardless of the weather conditions. Whether it is sunny or totally overcast, the lights, equipped with this technology, make it easier to maintain crop growth and productivity levels. A technological and sustainable opportunity created for the agricultural entrepreneurs of today and tomorrow.



PHOTOSYNTHETIC ACTION SPECTRUM: THE RIGHT LIGHT FOR EVERY CROP

I-LéD Growing technology differs from those currently on the market, with fixed parameters, through its excellent flexibility for adaptation and customisation of the types of crop sources. By working on a particular emission spectrum and adapting it to the different types of crop, it is possible to implement or, in adverse weather conditions, to replace natural sunlight.



PERFORMANCE, RELIABILITY AND RESISTANCE

DESIGNED FOR A LONG LIFESPAN

In order to guarantee increasingly higher corrosion resistance levels, the aluminium body of the outdoor fixtures is coated with a surface pretreatment that uses nanotechnology polymers. The body is subsequently powder coated with polyester, TGIC free powder coating, specifically researched for use in highly corrosive outdoor environments.



TCS® Valve

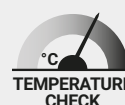
High transpiration
and impermeability to
humidity



Excellent
chemical
resistance



High electrical
resistance



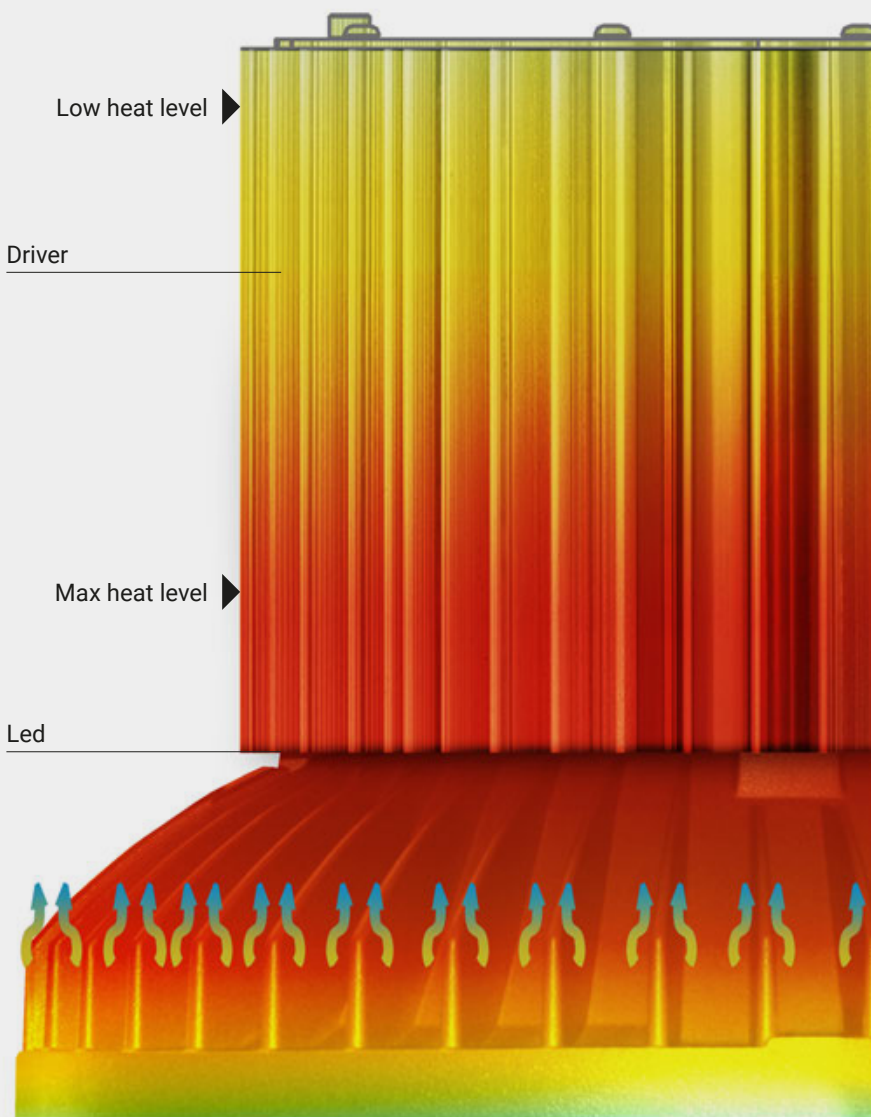
High resistance to
temperature changes
-20°C +50°C

EVERY FIXTURE IS RESEARCHED AND DESIGNED TO EXPRESS THE MAXIMUM POTENTIAL OF THE SOURCE

In the design phase of a lamp, more than just the aesthetic aspect counts: the main role of the body is to guarantee efficient heat dissipation in order not to alter the performance of the LED and the life cycle of the lamp.

To ensure the correct thermal dissipation, the joint temperature is used as a reference point. This is measured where the diode substrate and the printed circuit meet.

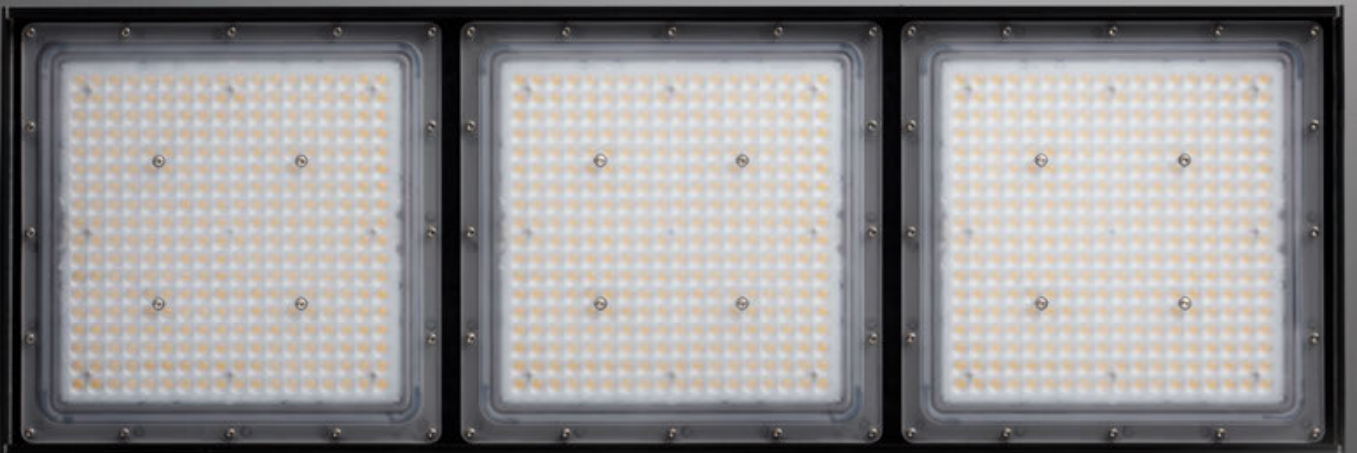
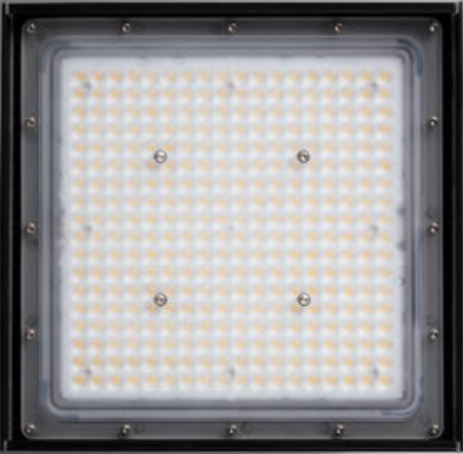
This allows us to be certain that no light source used will undergo fluctuations that could compromise the quality and performance of the lamp.



LED LIEFSPAN

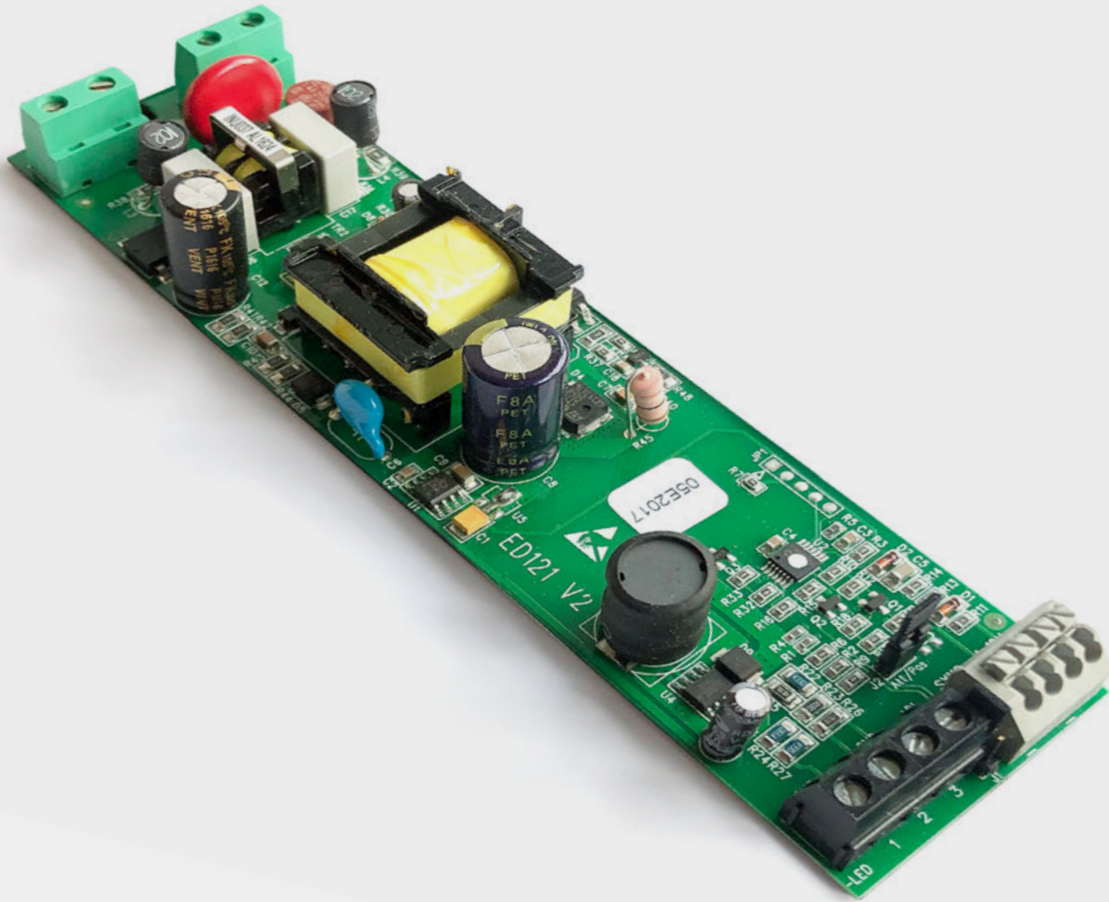
The “l” and “b” values indicate respectively the percentage of residual flow and the percentage of LEDs that do not respect the specification in the time period indicated by the manufacturer, considering a constant ambient temperature (at) of 25°C and a contact temperature (ct) of 60°C. A LED declared l70b10=223’824 Hours indicates that upon reaching 223’824 Hours, 90% (b10) of the diodes have a residual luminous flow equal to or greater than 70% of the initial flow (l70).

TopLED	145.770 hrs >
ArrayLED	223.824 hrs >
PowerLED	360.000 hrs >





ELECTRONIC HEART



BETTER LONGEVITY GUARANTEED

Electronics, the beating heart of any modern piece of technology, is central to the field of LED and, consequently, to the development of Linea Light Group projects. This is because, although this technology is extremely adaptable, a bespoke circuit created for a specific purpose is better able to fully emphasise the lighting quality of the selected diodes and how they fulfil the purpose for which the LED fixtures were designed and created. Compatibility, safety, performance: a trio of excellence enabling us to guarantee safe and efficient products.

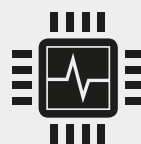
THE POWER SUPPLIES USED IN i-Lèd ITEMS FEATURE VARIOUS PROTECTION TECHNOLOGIES:



Surge protection



Protection against electrostatic discharge



Thermal protection to prevent abnormal overheating

PRECISE AND HIGH-PERFORMING OPTICAL SYSTEMS

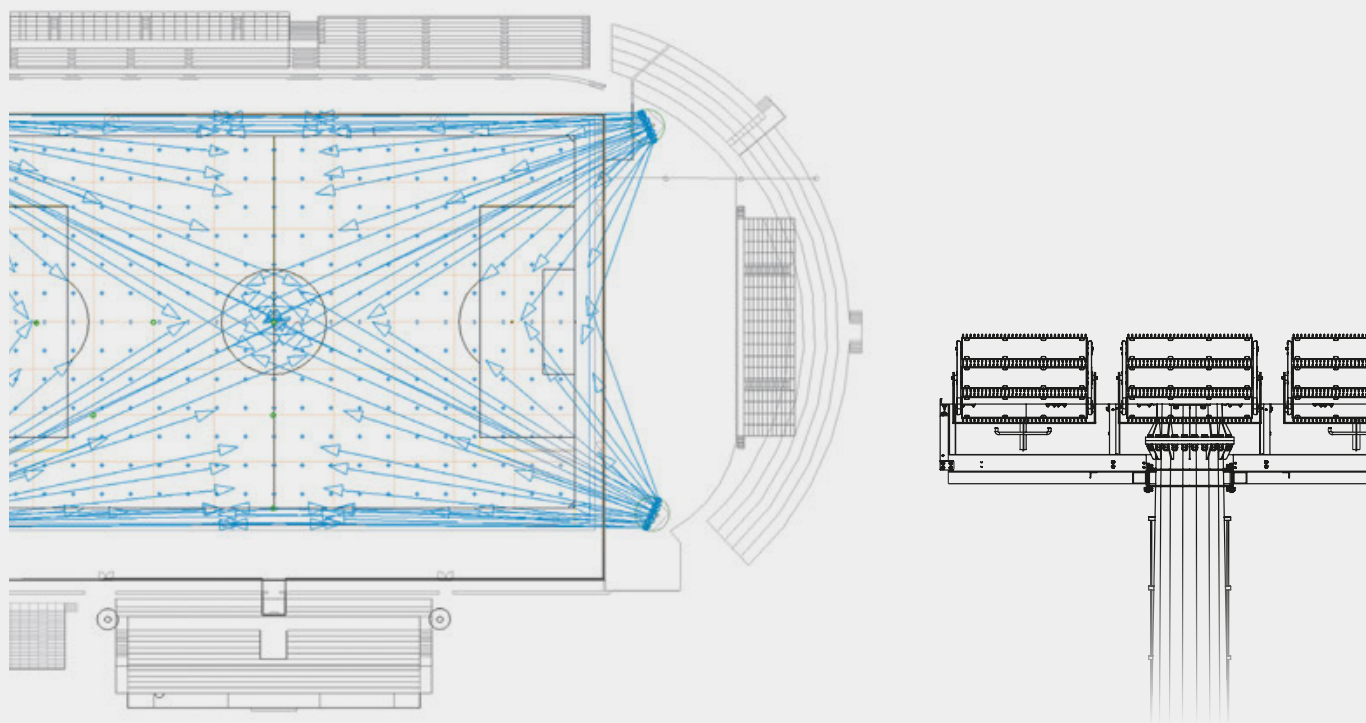
TECHNOLOGY IN THE FOREGROUND

A vast range of optics are the key to the performance of our products. An unparalleled offer, the result of years of experience. A powerful tool in your hands. The i-LèD optics systems are the result of intense research and development activity. The reflection technique used in the development of reflectors and lenses allows us to achieve better performance, reduction of glare and high visual comfort. The high transparency and high resistance protective glass has by now become a consolidated choice. This guarantees adequate protection of the optics assembly and easy cleaning of the product, maintaining efficiency over time.

i-LèD high lighting performance optics system is undoubtedly an ambitious challenge, in terms of both design and production. Highly advanced software systems and modern photometric laboratories have allowed the optimisation of multiple optics technologies suitable for the widest variety of lighting applications.



FROM DESIGN TO REALITY



Linea Light Group supports lighting designers, providing one of the most articulated and unique photometric portfolios on the market that let them simulate the achievable performance with our products in industrial, street and commercial applications. Projects designed in observance of the prevailing local regulations and maximising energy savings: even a slight reduction in power for each lamp installed makes a big difference over time. On request, a complete assessment is made of all the lighting parameters, also including a three-dimensional model.

Economic assessment of the project, with analysis of the initial cost, energy savings, return on investment (payback) and white certificates, including cost of installation and future maintenance.



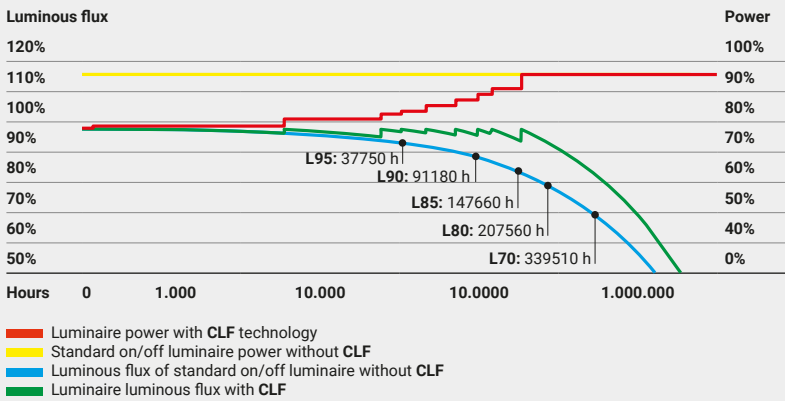


CONSTANT LIGHT FLUX



CLF TECHNOLOGY - RECOVERY OF THE LED LUMINOUS FLOW (on request)

The light emitted from a LED light fixture diminishes over the course of its life due to the deterioration of the diode's luminous flow. This irreversible process cannot be eliminated. Although progress in LED technology has made this flow deterioration process very slow, the luminous flow of a new lamp will be greater than that of a lamp at the end of its life. CLF (Constant light flux) technology is available on request for all light fixtures with power greater than or equal to 70W and it allows the entirely autonomous compensation of luminous flow deterioration through the increase of the power supply current based on predefined time steps. This technology guarantees a practically constant level of the luminous flow emitted, consequently also increasing the useful life of the system.



Time (h)	Luminaire power with CLF technology	Luminaire luminous flux without CLF	Luminaire luminous flux with CLF
0	80%	100%	
10.000	81,3%	98,75%	~100%
10.000	83,2%	97,5%	
30.000	84,8%	96,25%	The luminous flux is kept at a constant level
37.750	86%	95%	
50.000	88%	93,75%	(non perceptible variations from the human eye)
70.000	90%	92,5%	
90.000	92%	90%	
110.000	94%	88,5%	
147.000	99%	85%	

EXAMPLE OF POWER AND SYSTEM SIZING

The sizing of the electrical system should be made considering the final power of the LED fixtures. Therefore, there will be no difference between a system with standard lamps (on/off without CLF) and one with lamps featuring CLF technology. The CLF system can be disabled at any time using software, immediately restoring the full power of the lamp. It follows that, with CLF installed, the final power never exceeds the nominal power of the lamp. In fact, the LED light fixture is never over-powered, guaranteeing a long life.

Technical characteristics	Standard fixture On/off lamp without CLF	Fixture Lamp with CLF
Initial power	200W AC	180W AC
Final power	200W AC	200W AC
Luminous flow Initial nominal (natural white led)	28256 lm	~25608 lm
Luminous flow Nominal after 90,000 hours	25466 lm	~25608 lm

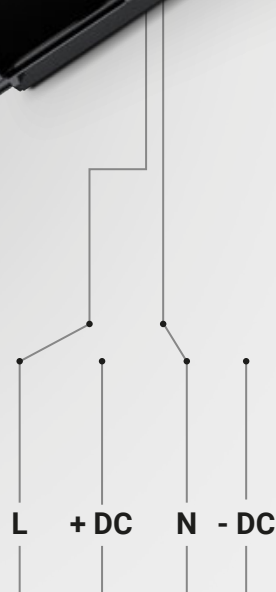


UPS



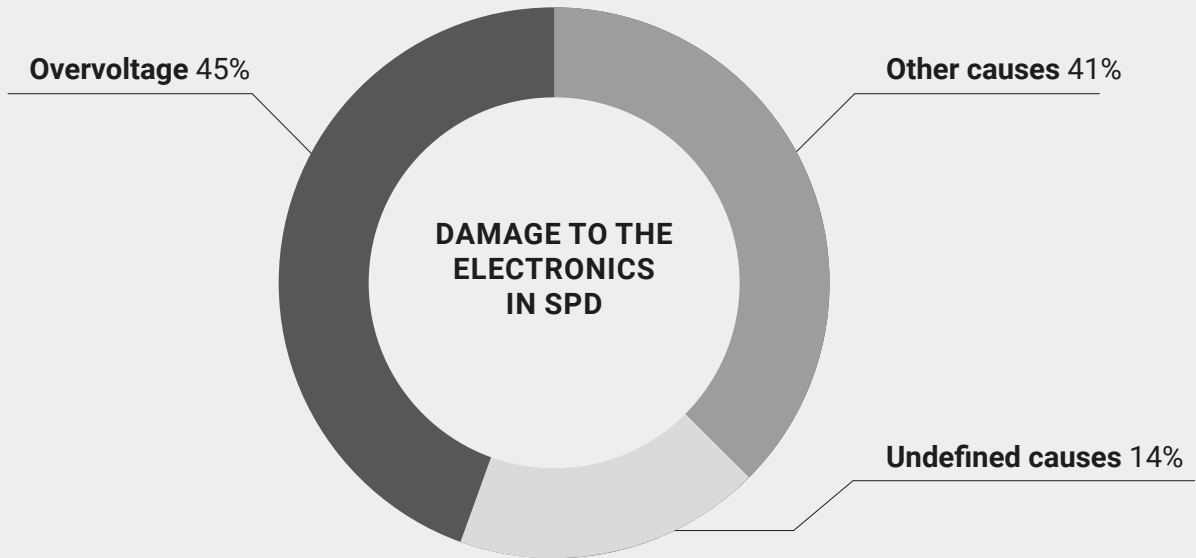
COMPATIBLE FIXTURES IN DIRECT CURRENT

All our light fixtures with power equal to or greater than 100W AC work both in alternating current (190/305Vac 50/60Hz) and direct current (186/275Vdc), therefore, they lend themselves well for use as emergency lighting in compliance with the prevailing standards.






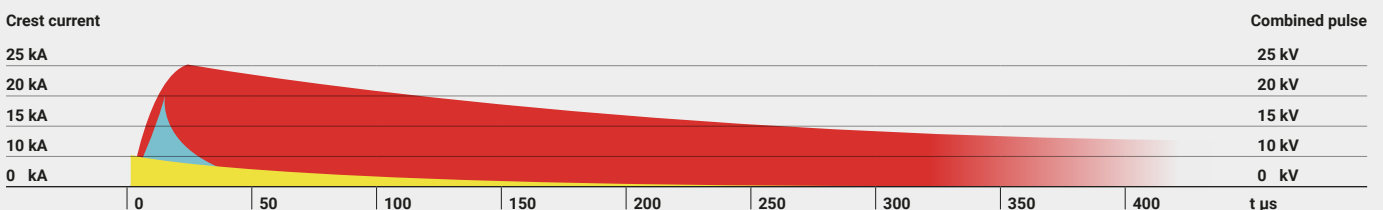
INPUT:
190/305VAC 50/60Hz
186/275V DC

OVERVOLTAGE LIMITERS



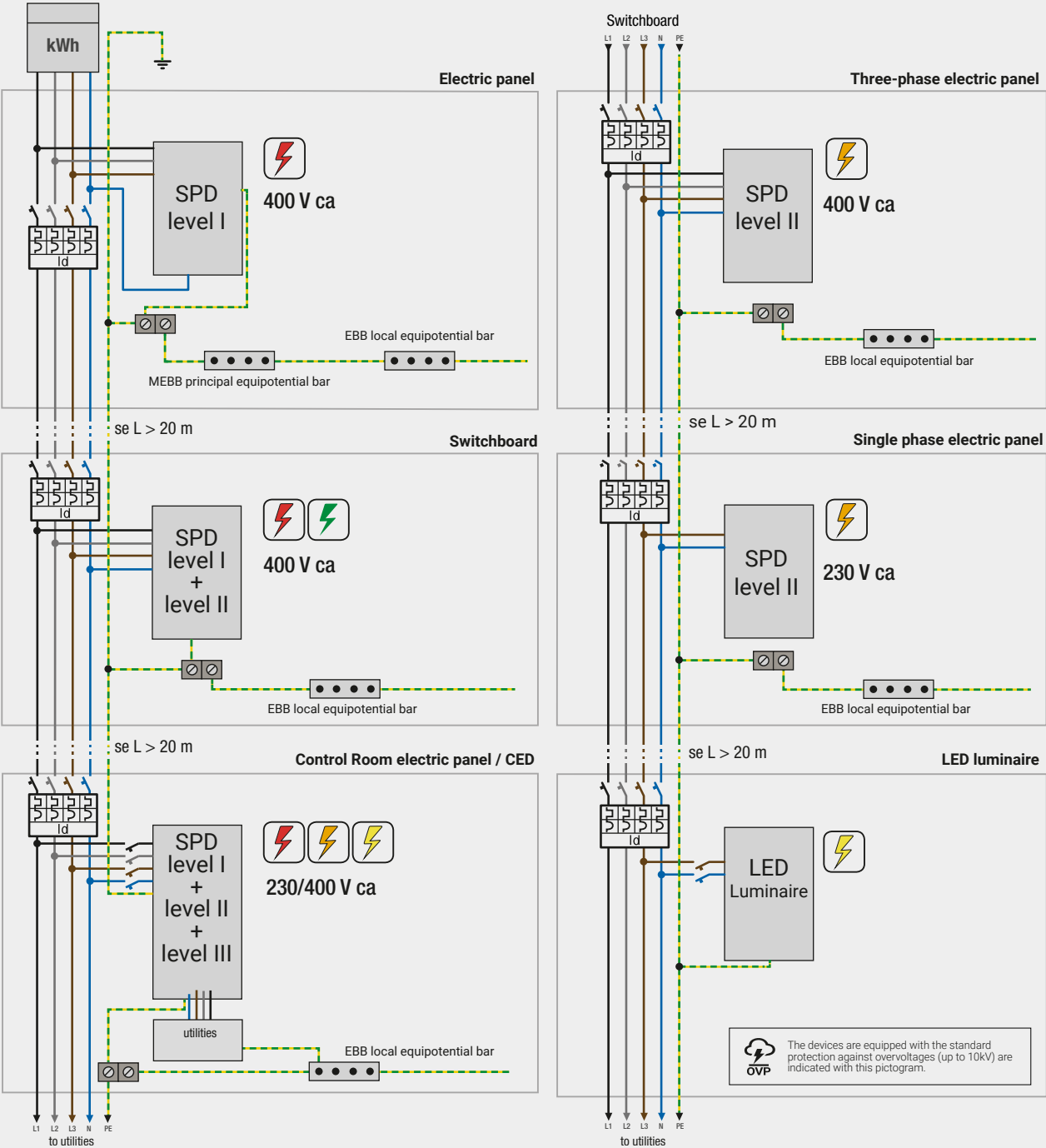
These days, with the ever-increasing use of electrical equipment and with the exponential increase of the level of semiconductor integration, more and more attention is given to the phenomena related to transitory surge voltage of atmospheric origins and surge voltage due to electrical switching on distribution systems because of the substantial economic damage that they can cause. There is consequently a need to adopt increasingly greater safety measures inside building and system infrastructures in order to ensure that the electrical and electronic equipment is not damaged and can provide its performance, even in the presence of interferences. The SPDs, depending on the parameters of the lightning current pulse they are called upon to discharge to earth, are tested and then classified in different ways. The IEC 61643-11 Ed.1 (2011-03) standard and the corresponding CEI EN 61643-11/A11 standard, although using different, but substantially identical definitions, divide them up as follows:

IEC 61643-11 (2011-03)	CEI EN 61643-11/A11	SPD		WAVE FORM	DISCHARGE CURRENT	COMBINED PULSE	
Class 1 SPD	Type 1 SPD T	SPD for lightning current		Tested with limp pulse current (10/350 μ s) and with the nominal I_n discharge current (8/20 μ s)	10/350 μ s	limp 25 kA	-
Class 2 SPD	Type 2 SPD T	Overvoltage limiter		Tested with nominal I_n discharge current (8/20 μ s) and with maximum I_{max} discharge current (8/20 μ s). The I_{max} , nevertheless, is neither useful nor usable to choose the SPD	8/20 μ s	limp 20 kA	-
Class 3 SPD	Type 3 SPD T	Overvoltage limiter		Tested with the combined generator that applies U_{oc} no-load voltage (1,2/50 μ s) and in short circuit a presumed I_n current (8/20 μ s)	1,2/50 μ s	-	10 kV



OPTIMAL ELECTRICAL SYSTEM

The proposed example shows a typical, medium-sized industrial system with avanquadro.



CONNECTED WITH THE FUTURE



Twil light connection is an innovative wireless lighting management technology that allows units to be set and controlled via smart devices and PCs. A lighting system using Twil technology can include high-efficiency lighting fixtures and automatic brightness controls based on the intended use for the space being lit, the illumination to be ensured within the field of view, and the occupancy and/or the availability of natural light in a certain space. The Twil system involves the use of dual-function sensors that detect both brightness and movement.

The sensors interact with fixtures to provide smart lighting across a space, saving energy and maintaining a constant level of illumination where necessary; they can be installed at heights of up to 11m and are therefore compatible with industrial and commercial (high bay) applications. Thanks to the App, Twil users can manage, monitor, and control many of the fixtures' functional parameters, including the consumption of both the individual fixtures and the entire system; it is also possible to clearly determine the energy savings accumulated thanks to the use of any sensors or the time-planning of light settings. Twil technology enters the world of the new network-based industrial revolution, namely industry 4.0. Machines and manufacturing systems connect with each other and speak to the world.



Twil light connection introduces a simple but effective connection system, thanks to the absence of control wiring it is in fact possible to vary the positioning of the lighting fixtures. The Twil light connection application allows complete interaction with the system that does not require a pre-existing network for regular operation.

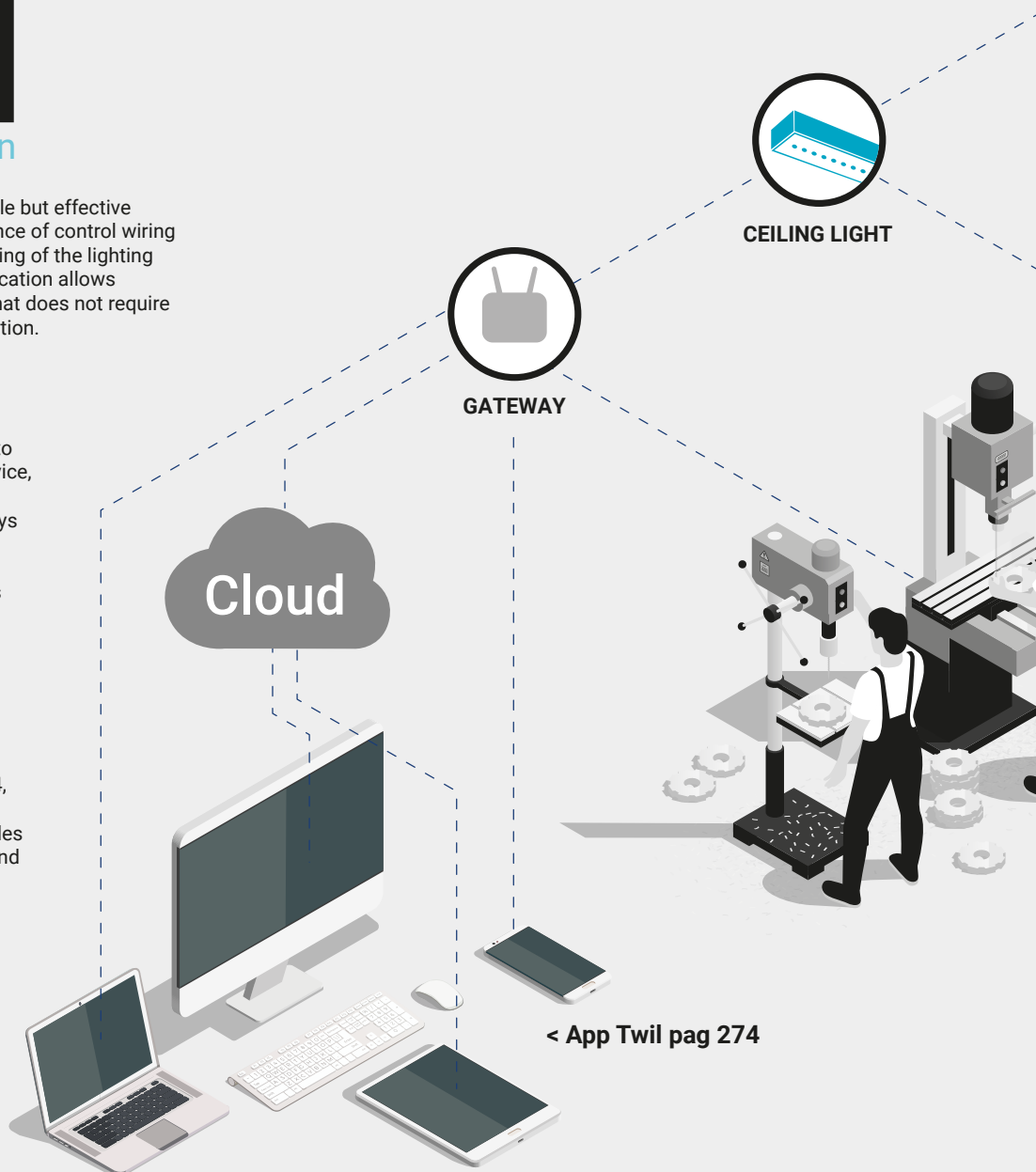
Fixture control

The Twil system ensures control of up to 80 gateway devices from the single device, it is possible to expand the number of devices by associating existing gateways to the IT network. As well as controlling devices individually, Twil allows them to be managed in Broadcast or in groups (maximum 16 groups per gateway).

System safety

Twil is safe because it complies in all its aspects with the applicable communication standard IEEE 802.15.4, based on AES 128 cryptography.

Wi-Fi network: IEEE 802.11b/g/n includes all the management that we normally find in any Wi-Fi network (access password, etc...).



< App Twil pag 274

Automated and simplified management.

Installation: saving of network settings and system start-up are managed almost completely through the applications.

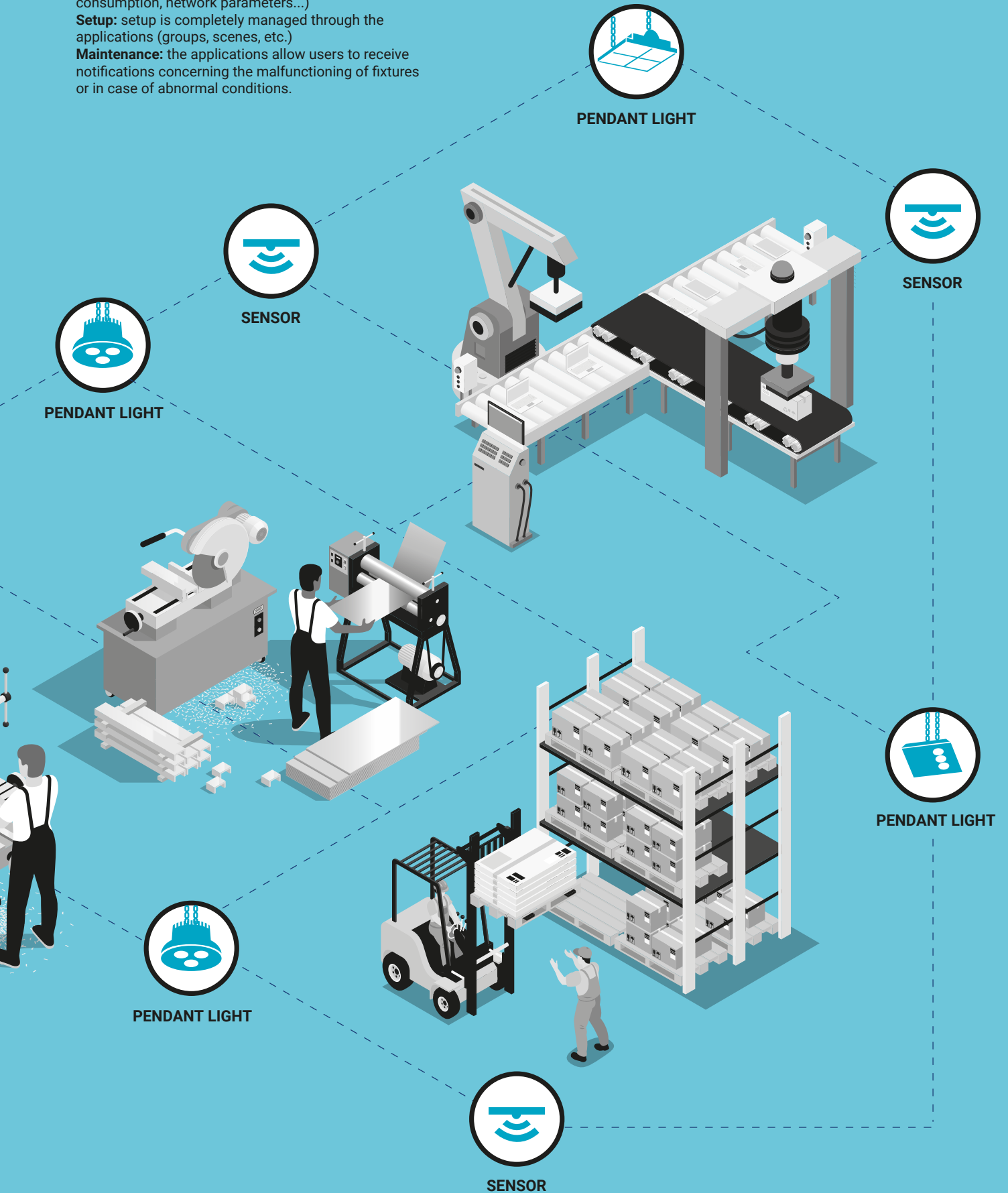
Monitoring: display and detailed history of a considerable number of parameters linked to the power supply and the light fixture itself (voltage and current to the LED, internal temperature, dimming level, consumption, network parameters...)

Setup: setup is completely managed through the applications (groups, scenes, etc.)

Maintenance: the applications allow users to receive notifications concerning the malfunctioning of fixtures or in case of abnormal conditions.

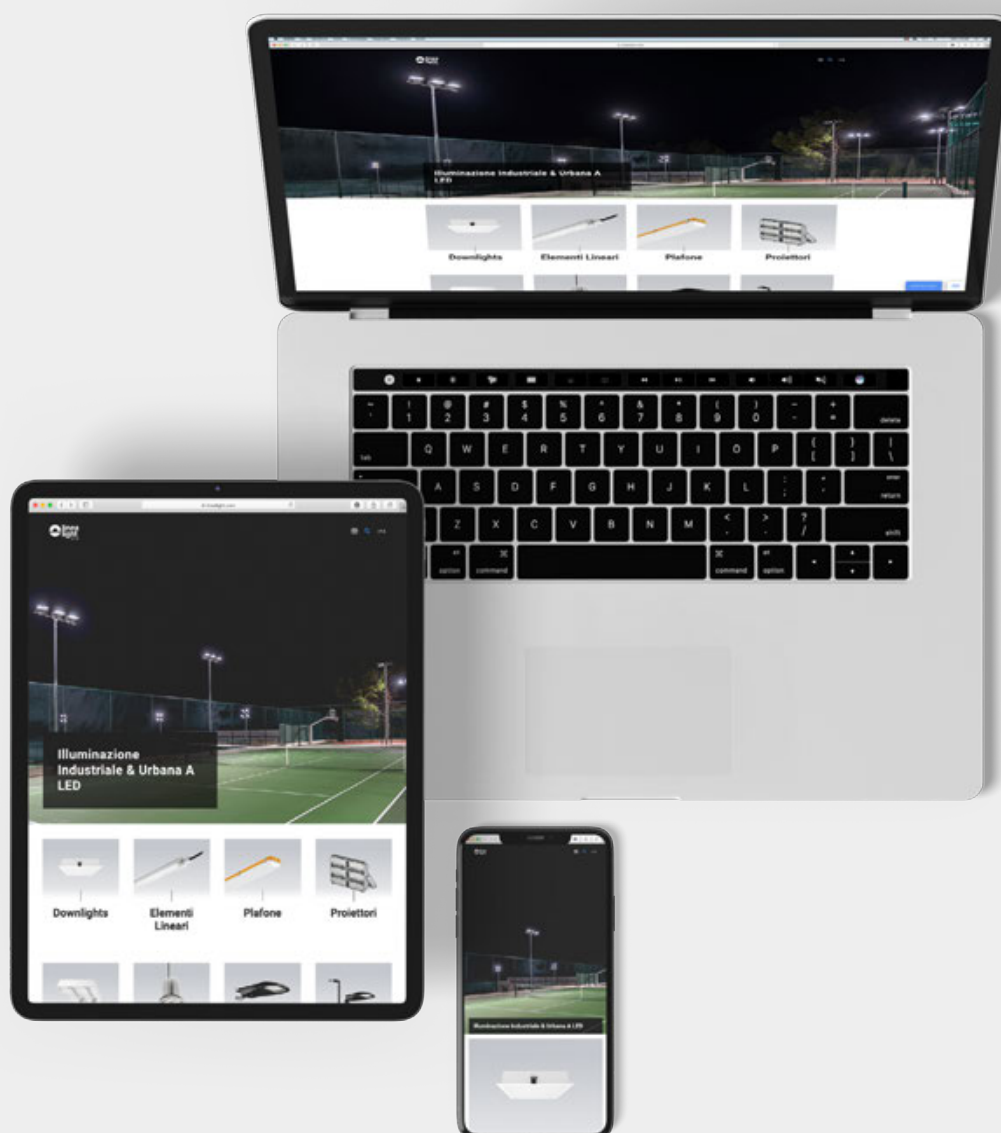
System scalability

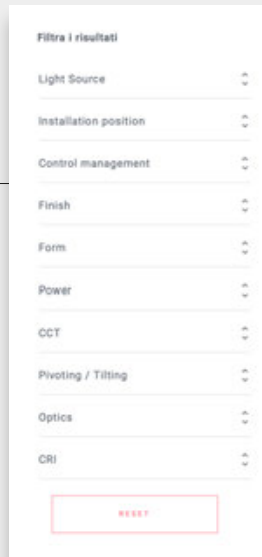
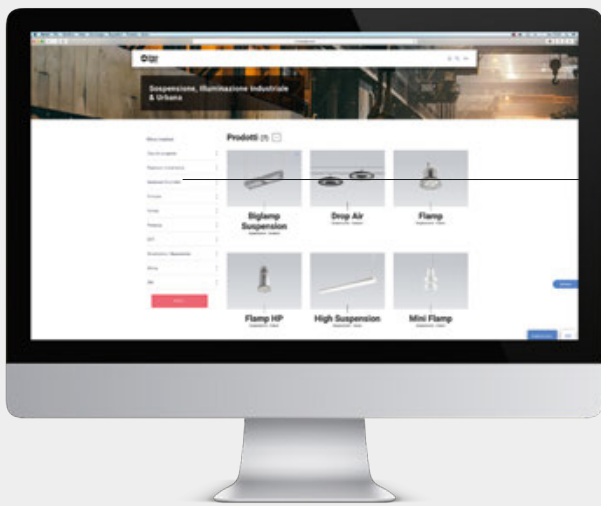
Each point of the networks functions as a bridge to the subsequent point, simplifying implementation and updates to the network. This technology's extraordinary versatility allows users to install fixtures up to 30 m apart from one another in indoor settings.



ALL INFORMATION JUST A CLICK AWAY

Always and everywhere, the website is a container of information and news on the whole world of Linea Light Group. A constantly updated tool where it is possible to find project references, training articles, but also advanced code search systems, as well as offering "comparison" solutions for comparing product families. In short, everything you need for the development of your project!



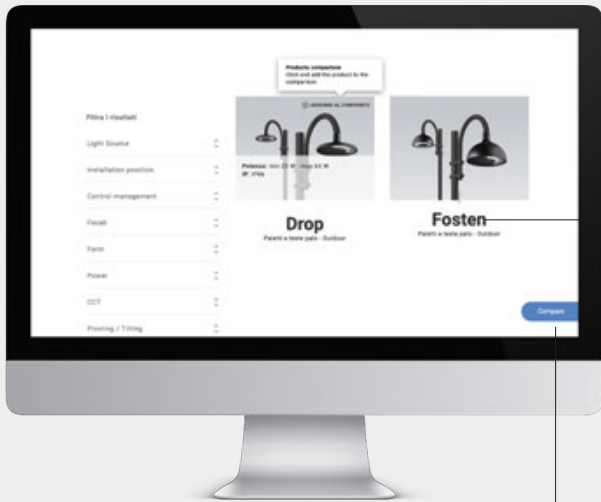


Search using filters

On all the product family pages, there are filters on the side that let you narrow down your search by entering the characteristics (type of source, installation position, control management, etc.). Use this function to arrive at the selection of the desired product.

If you are undecided, compare the products!

You can compare up to 5 products by simply moving the cursor over the product images and clicking the "add to comparison" icon at the top right. A blue tick will indicate that the products have been added to the comparison.



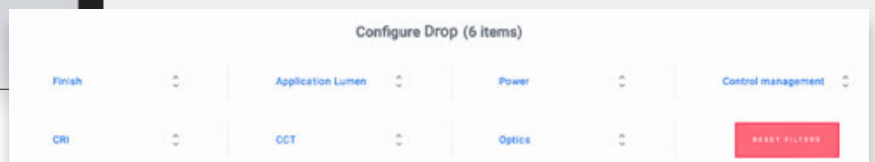
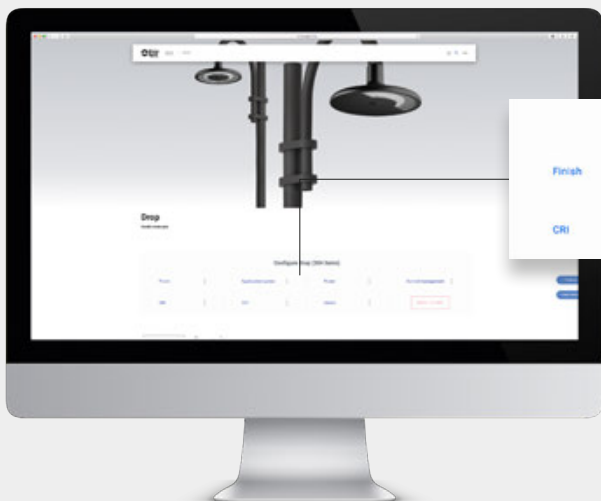
Drop



Fosten

Compare

When the blue "Compare" button anchored on the right side of the screen is clicked, a page will open with a comparison of the selected product families.



Configure your code

Use the code configurator found on every product page. This tool will help you find the exact code based on your needs.





HOW TO READ PRODUCTS

Biglamp Pro | Projector | powerLED 450 W DC

Family Name | Chapter | L.E.D. Type | Power | Electronics Characteristic



Pictograms
How to read symbols
see Page 296

Light emission

Image of the product with relative technical dimension drawing

Finish | Product code

C.C. - 2700 mA - CRI 70

Allum. **84435**

Cct	Im S - D	Optic
N 4000	76720 - On req	10 N.Spot (12°)
C 5700	76720 - On req	15 Spot (15°)
		30 Flood (28°)
		60 W.Flood (56°)
		23 Elliptic (23°x40°)
		26 Elliptic (20°x26°)

Code and Colour temperature

Im-S
Lumen Source

Im-D
Lumen Delivery

Code Optics

Angle of opening of the light beam

The effective flux (**Im-D**) is detected, taking as a reference the intermediate optics and a neutral colour finish. For more in-depth details, please consult the technical data sheets on the website: linealight.com

How to configure a product: guide to the composition of the finished code

$$84435 + C + 30 = 84435C30$$

1st product code

2nd temperature code

3rd optics code

Composed finished code

Code Electronics

Electronic and dimensional information

83218

Input 220 V AC
ON/OFF 0/1-10V
p 262 x l 125 x h 44

83217

Input 380 V AC
ON/OFF 0/1-10V
p 262 x l 125 x h 44

83030

Signal converter
DALI to 0/1-10V
p 53 x l 27 x h 22

83031

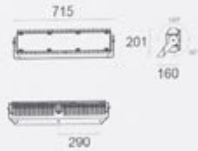
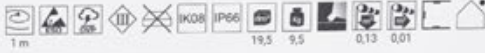
Signal converter
DMX to 0/1-10V
p 90 x l 38 x h 27

Controller

DALI pag 283
DMX pag 286

Accessories Pag. 38

Biglamp Pro | Projector | powerLED | 450 W DC



C.C. - 3600 mA - CRI 70

Alum. **84432**

Cct	lm S - D	Optic
N 4000	78781 - On req	15 Spot (18")
C 5700	78781 - On req	20 Spot (21")
		35 Flood (35")
		60 W.Flood (62")
		23 Elliptic (23"x40")
		26 Elliptic (20"x26")

Electronics

83212	83211	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

C.C. - 2700 mA - CRI 70

Alum. **84435**

Cct	lm S - D	Optic
N 4000	76720 - On req	10 N.Spot (12")
C 5700	76720 - On req	15 Spot (15")
		30 Flood (28")
		60 W.Flood (56")
		23 Elliptic (23"x40")
		26 Elliptic (20"x26")

Electronics

83216	83215	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

C.C. - 2500 mA - CRI 70

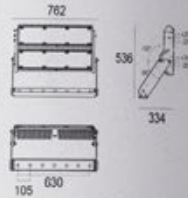
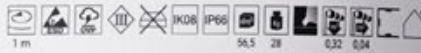
Alum. **84438**

Cct	lm S - D	Optic
N 4000	66666 - On req	07 Asymm. -
C 5700	66666 - On req	

Electronics

83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

Biglamp Pro | Projector | powerLED | 2 x 450 W DC



C.C. - 3600 mA/module - CRI 70

Alum. **84433**

Cct	lm S - D	Optic
N 4000	157562 - On req	15 Spot (18")
C 5700	157562 - On req	20 Spot (21")
		35 Flood (35")
		60 W.Flood (62")
		23 Elliptic (23"x40")
		26 Elliptic (20"x26")

Electronic (for single module)

83212	83211	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

C.C. - 2700 mA/module - CRI 70

Alum. **84436**

Cct	lm S - D	Optic
N 4000	153440 - On req	10 N.Spot (12")
C 5700	153440 - On req	15 Spot (15")
		30 Flood (28")
		60 W.Flood (56")
		23 Elliptic (23"x40")
		26 Elliptic (20"x26")

Electronic (for single module)

83216	83215	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

C.C. - 2500 mA/module - CRI 70

Alum. **84439**

Cct	lm S - D	Optic
N 4000	133332 - On req	07 Asymm. -
C 5700	133332 - On req	

Electronic (for single module)

83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x 1125 x h 44	Signal converter DALI to 0/1-10V p 53 x 127 x h 22	Signal converter DMX to 0/1-10V p 90 x 138 x h 27	DALI pag 283 DMX pag 286

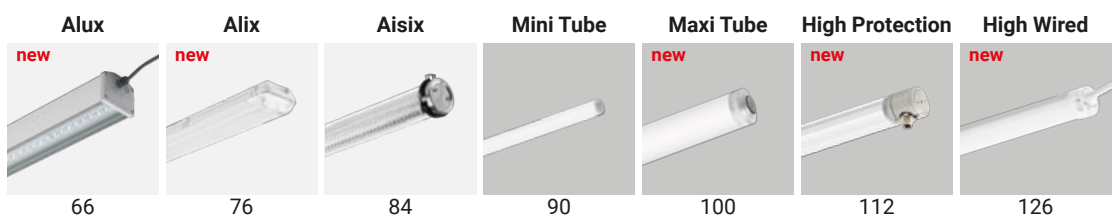
The Driver and Control equipment is to be considered for each individual module (2x)

general range index

Projectors & Pendants



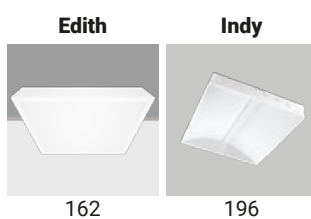
Ceiling light



Extreme environments lighting



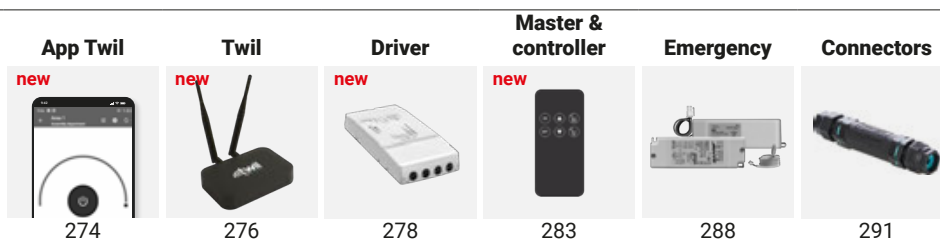
General lighting



Street & urban lighting



Electronics



**Projectors &
Pendants**

McFit | Roma, Italy

**Ceiling
light**

**Extreme
environments
lighting**

**General
lighting**

**Street &
urban
lighting**

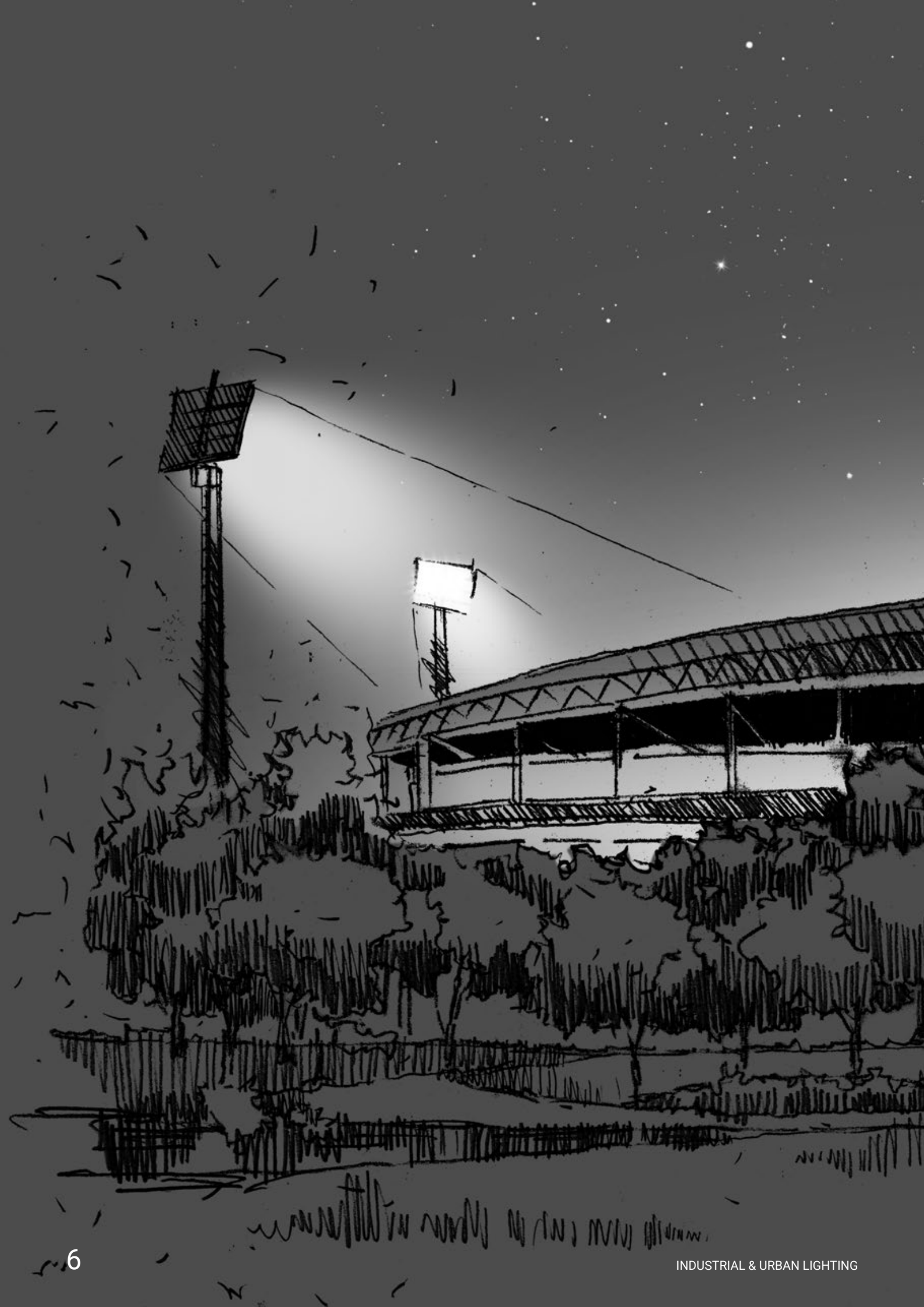
Electronics

**Index
Credits**

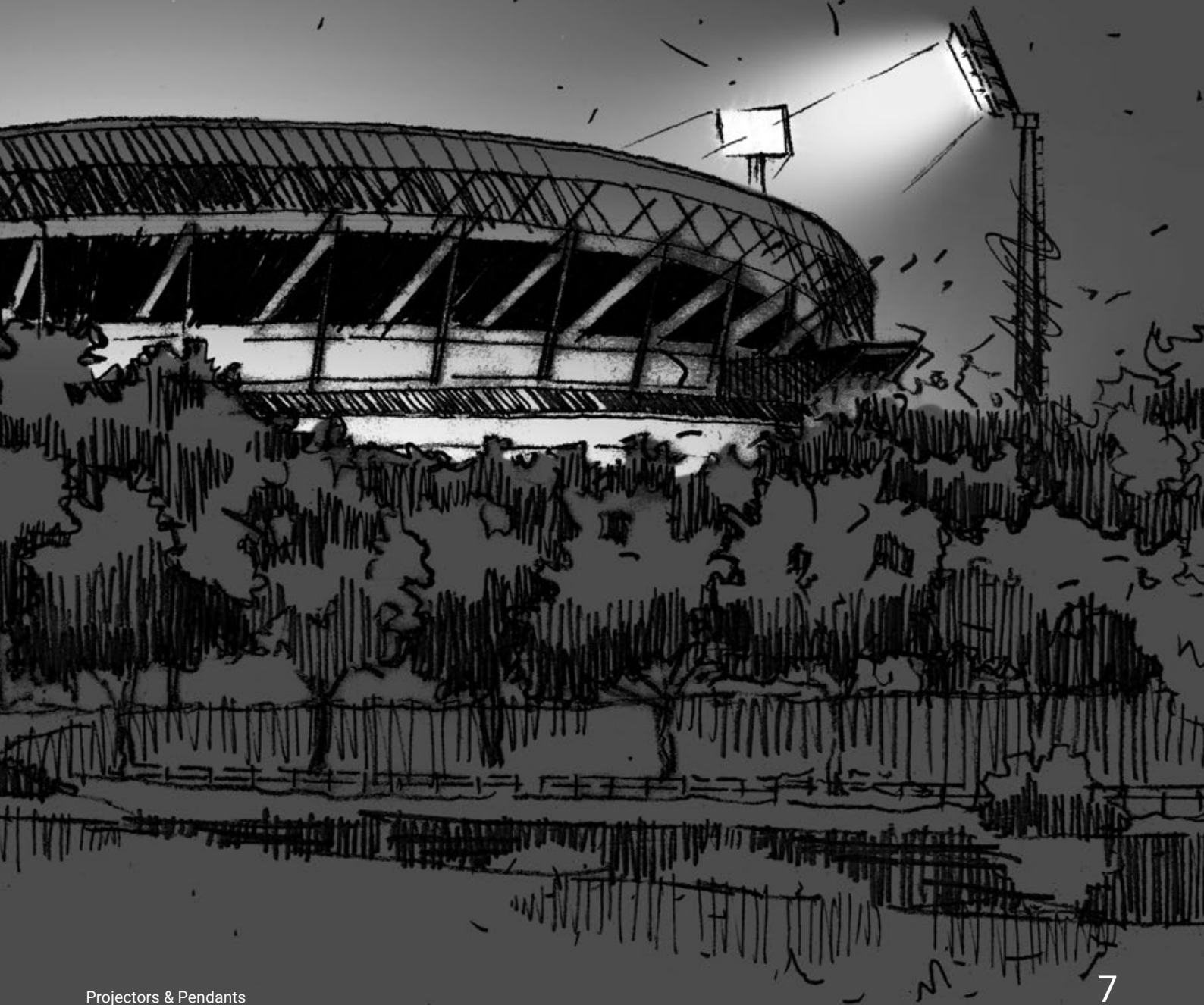


LIGHT UP NEW IDEAS!





Projectors & Pendants






projectors range index

Prolamp

40W  18	80W  18	100W new  18	120W  19	150W new  19
180W  19	200W new  19	250W  20	280W  20	

Biglamp

300W  32	2 x 300W  32	3 x 300W  32
--	--	--

Biglamp Pro

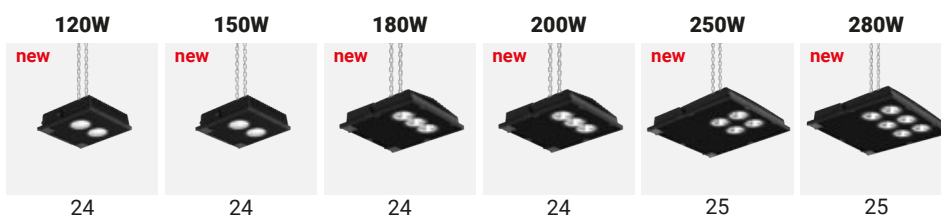
450W new  36	2 x 450W new  36	3 x 450W new  37
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Multilamp

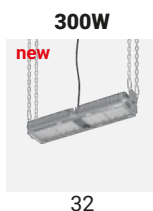
70W new  44	130W new  44	200W  44	260W new  44
--	---	--	---

pendants range index

Prolamp_P



Biglamp_P



Multilamp



Flamp



Mini Flamp







prolamp

Materials

Body in die-cast aluminium.

Tempered glass.

EPD treated iron bracket,
power-coated in RAL9005.





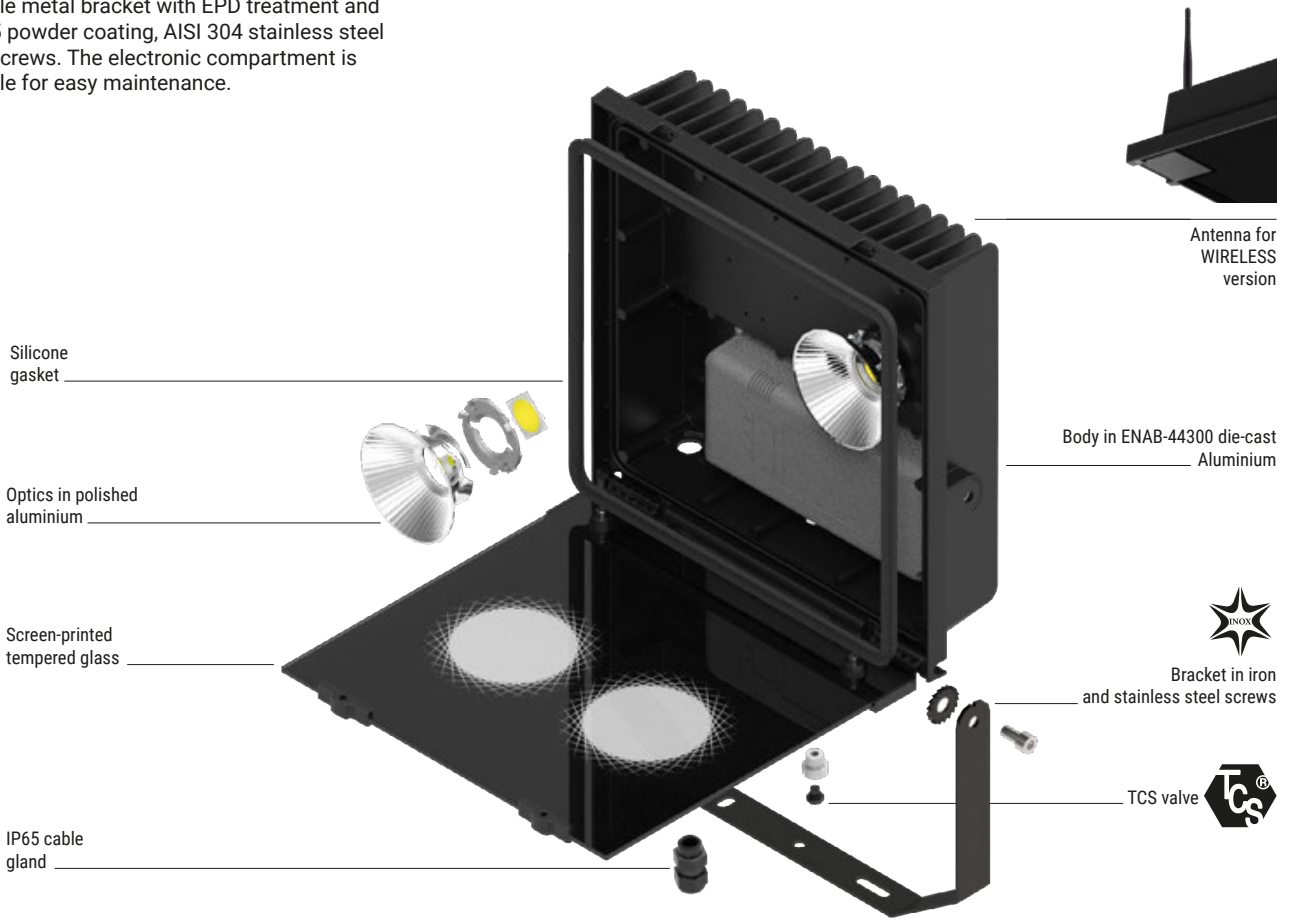
prolamp range



	40 W	80 W / 100 W	120 W / 150 W	180 W / 200 W	250 W / 280 W
Projectors	192 x 240 mm	292 x 300 mm	324 x 301 mm	391 x 439 mm	502 x 548 mm
Pendants	-	-	300 x 301 mm	360 x 389 mm	476 x 500 mm
Accessories	Protective cage	Protective cage	Protective cage	Protective cage	Protective cage
Finish	Black	Black	Black	Black	Black
Led n.	1	1 (80 W) 2 (100 W)	2	3	4 (250 W) 6 (280 W)
Efficiency CRI 80	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K
Optics	Spot Wide Flood Extra Wide Flood Asymmetric	Spot Flood Wide Flood Extra Wide Flood Asymmetric	Flood Wide Flood Extra Wide Flood Asymmetric	Spot Flood Wide Flood Extra Wide Flood Asymmetric	Spot Flood Wide Flood Extra Wide Flood Asymmetric
Control	On/Off DALI	On/Off DALI	On/Off DALI Wireless	On/Off DALI Wireless	On/Off DALI Wireless

Construction details

Light fixture made entirely in ENAB-44300 die-cast Aluminium, textured RAL9005 powder coating, UV ray stabilised. On request, an electrochemical open-pore anodising pretreatment is carried out on the base alloy which guarantees outstanding corrosion resistance. Adjustable metal bracket with EPD treatment and RAL9005 powder coating, AISI 304 stainless steel locking screws. The electronic compartment is accessible for easy maintenance.



IK08 → IK10

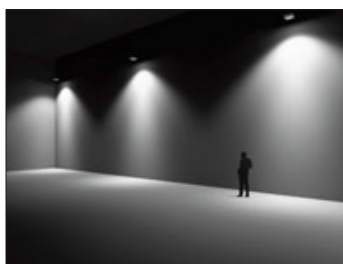
With protection, compliant with standards EN13964 (annex D) and DIN 57710-13.



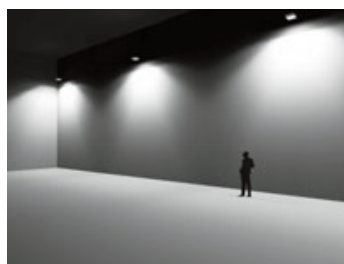
Metallic cage to protect against impact.

Technical lighting characteristics

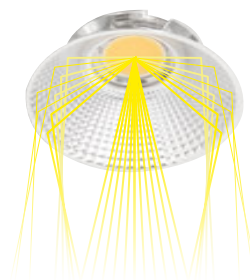
Direct light lighting system fitted with high efficiency COB LED channelled through optics in iridescence-free, polished aluminium. Light fixture characterised by quality light and outstanding chromatic yield, combined with a vast range of optics with narrow or wide beam to adapt to a wide variety of situations. The available optics are: Spot, Flood, Wide Flood, Extra Wide Flood and Asymmetrical.



Optic Flood



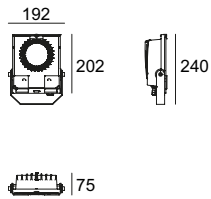
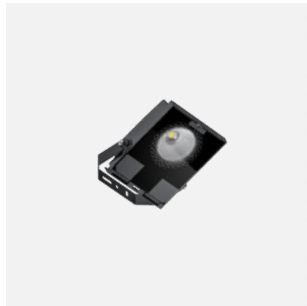
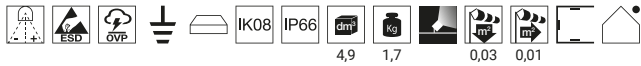
Optic Extra Wide Flood







Prolamp | Projector | arrayLED | 198-264 V AC | 35 W DC - 40 W AC

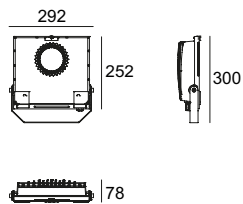


	CRI 80	CRI 80 - DALI
Black	82270	82271

	Cct	lm S - D	Optic
W	3000	4870 - 3542	30 Spot (21°)
N	4000	5140 - 3741	60 W.Flood (54°)
C	5000	5199 - 3855	90 E.W.Flood (93°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 71 W DC - 80 W AC

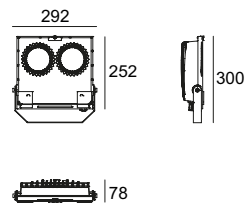


	CRI 80	CRI 80 - DALI
Black	82272	82273

	Cct	lm S - D	Optic
W	3000	9973 - 7803	30 Flood (27°)
N	4000	10528 - 8243	60 W.Flood (59°)
C	5000	10649 - 8496	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 90 W DC - 100 W AC

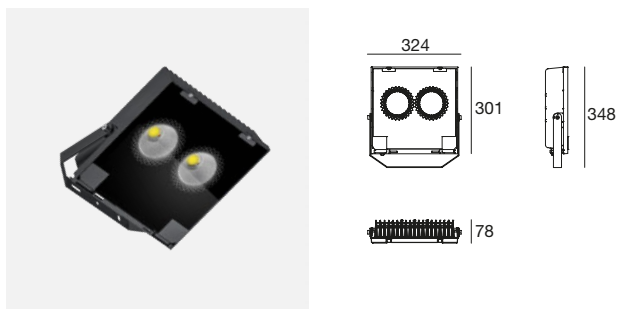


	CRI 80	CRI 80 - DALI
Black	84068	84441

	Cct	lm S - D	Optic
W	3000	13108 - On req	30 Spot (22°)
N	4000	13836 - On req	60 W.Flood (53°)
C	5000	13994 - On req	90 E.W.Flood (92°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 110 W DC - 120 W AC

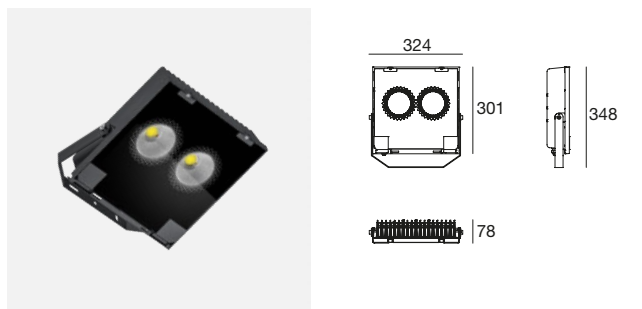


	CRI 80	CRI 80 - DALI
Black	82274	82275

	Cct	lm S - D	Optic
W	3000	16460 - 12827	30 Flood (27°)
N	4000	17375 - 13545	60 W.Flood (59°)
C	5000	17575 - 13960	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 144 W DC - 150 W AC

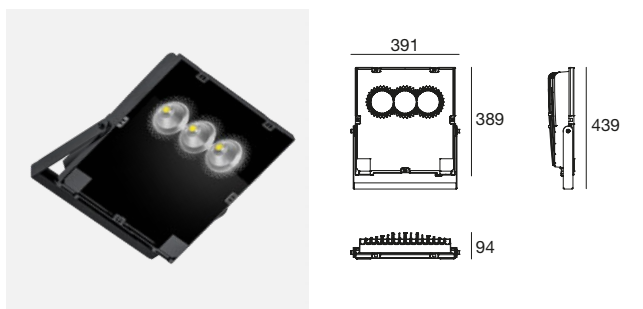
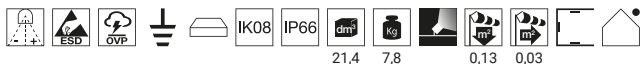


	CRI 80	CRI 80 - DALI
Black	84069	84442

	Cct	lm S - D	Optic
W	3000	20364 - On req	30 Flood (27°)
N	4000	21498 - On req	60 W.Flood (59°)
C	5000	21744 - On req	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 170 W DC - 180 W AC

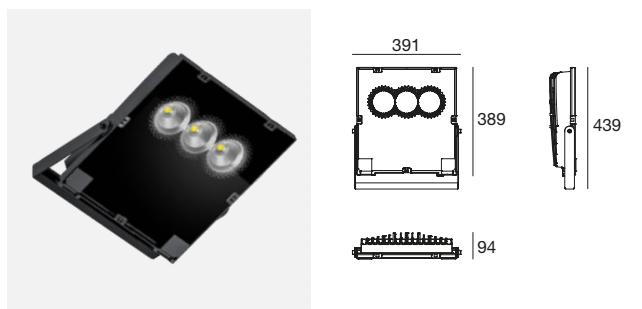


	CRI 80	CRI 80 - DALI
Black	82286	82287

	Cct	lm S - D	Optic
W	3000	23815 - 18060	30 Spot (22°)
N	4000	25141 - 19011	60 W.Flood (53°)
C	5000	25428 - 19403	90 E.W.Flood (92°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 185 W DC - 200 W AC

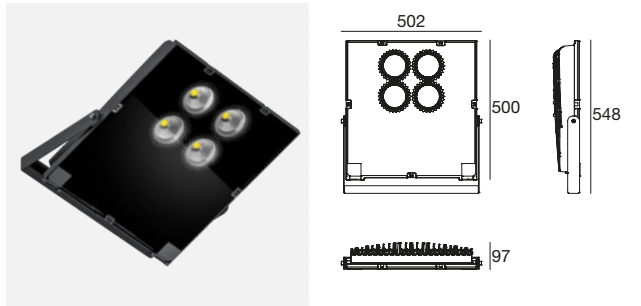
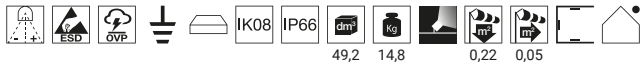


	CRI 80	CRI 80 - DALI
Black	84070	84443

	Cct	lm S - D	Optic
W	3000	28008 - On req	30 Flood (27°)
N	4000	29568 - On req	60 W.Flood (59°)
C	5000	29907 - On req	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 230 W DC - 250 W AC

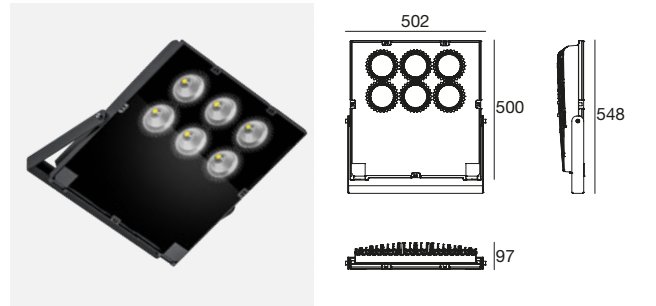
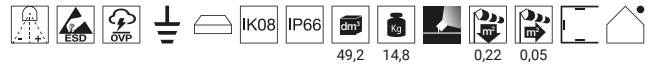


	CRI 80	CRI 80 - DALI
Black	82276	82277

	Cct	lm S - D	Optic
W	3000	34716 - 27065	30 Flood (28°)
N	4000	36648 - 28580	60 W.Flood (58°)
C	5000	37068 - 29456	90 E.W.Flood (88°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20

Prolamp | Projector | arrayLED | 198-264 V AC | 264 W DC - 280 W AC



	CRI 80	CRI 80 - DALI
Black	82278	82279

	Cct	lm S - D	Optic
W	3000	39321 - 29800	30 Spot (22°)
N	4000	41510 - 31368	60 W.Flood (53°)
C	5000	41985 - 32015	90 E.W.Flood (92°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 20



Prolamp optic 30 - 60 - 90



Prolamp optic 07



Prolamp optic 12

Accessories



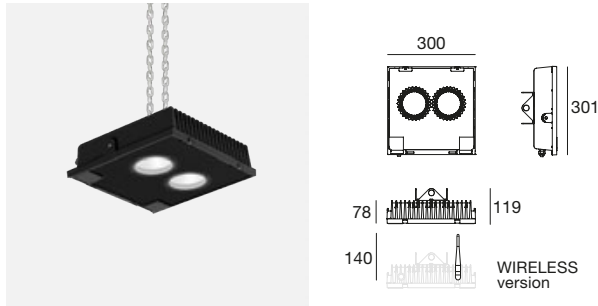
	suitable for:	description
99391	Prolamp 40W	Protective cage
99392	Prolamp 80W/100W	in steel wire, ideal
99574	Prolamp 120W/150W	for increasing the
83035	Prolamp 180W/200W	impact resistance
99393	Prolamp 250W/280W	of the fixture.







Prolamp_P | Pendant | arrayLED | 198-264 V AC | 110 W DC - 120 W AC

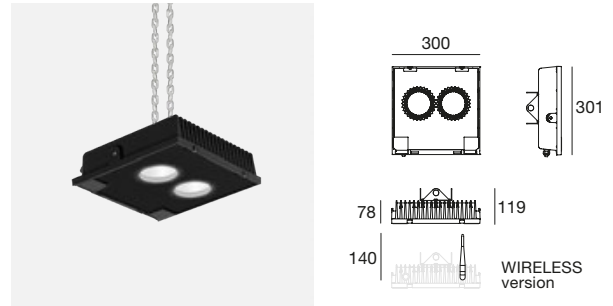


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	82280	82281	76001

	Cct	lm S - D	Optic
W	3000	16460 - 12827	30 Flood (27°)
N	4000	17375 - 13545	60 W.Flood (59°)
C	5000	17575 - 13960	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Prolamp_P | Pendant | arrayLED | 198-264 V AC | 144 W DC - 150 W AC

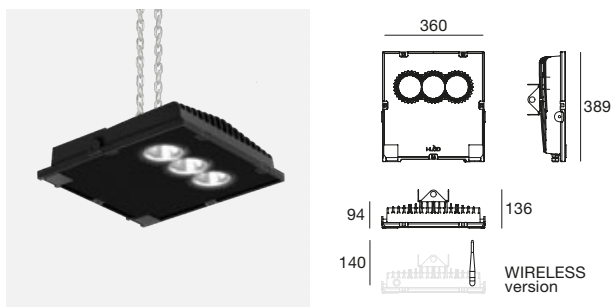


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	84353	84444	76002

	Cct	lm S - D	Optic
W	3000	20364 - On req	30 Flood (27°)
N	4000	21498 - On req	60 W.Flood (59°)
C	5000	21744 - On req	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Prolamp_P | Pendant | arrayLED | 198-264 V AC | 170 W DC - 180 W AC

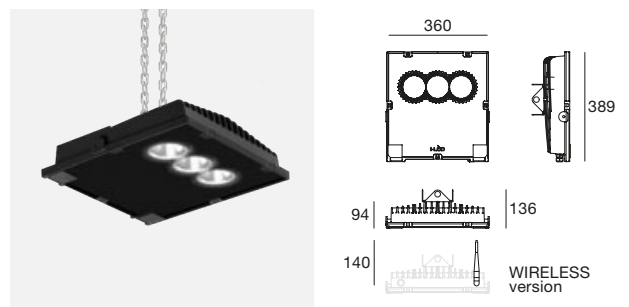


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	82288	82289	76003

	Cct	lm S - D	Optic
W	3000	23815 - 18060	30 Spot (22°)
N	4000	25141 - 19011	60 W.Flood (53°)
C	5000	25428 - 19403	90 E.W.Flood (92°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Prolamp_P | Pendant | arrayLED | 198-264 V AC | 185 W DC - 200 W AC

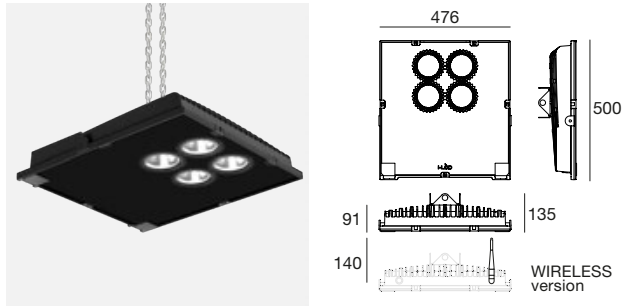


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	84354	84445	76004

	Cct	lm S - D	Optic
W	3000	28008 - On req	30 Flood (27°)
N	4000	29568 - On req	60 W.Flood (59°)
C	5000	29907 - On req	90 E.W.Flood (91°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Prolamp_P | Pendant | arrayLED | 198-264 V AC | 230 W DC - 250 W AC

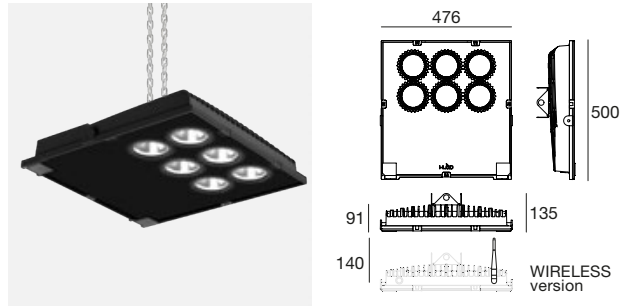


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	82282	82283	76005

	Cct	lm S - D	Optic
W	3000	34716 - 27065	30 Flood (28°)
N	4000	36648 - 28580	60 W.Flood (58°)
C	5000	37068 - 29456	90 E.W.Flood (88°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Prolamp_P | Pendant | arrayLED | 198-264 V AC | 264 W DC - 280 W AC

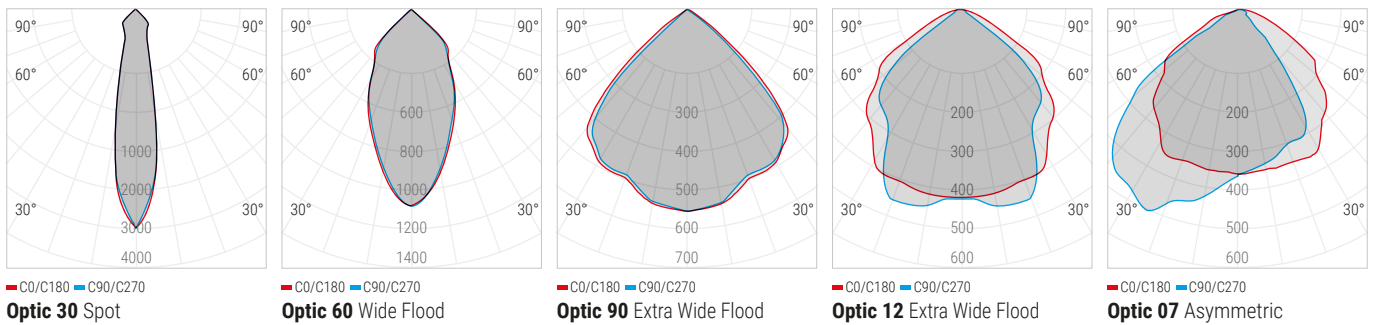


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	82284	82285	76006

	Cct	lm S - D	Optic
W	3000	39321 - 29800	30 Spot (22°)
N	4000	41510 - 31368	60 W.Flood (53°)
C	5000	41985 - 32015	90 E.W.Flood (92°)
			12 E.W.Flood -
			07 Asymm. -

Accessories Pag. 25

Photometric curves of Prolamp 180W (82286 - 82288)



Accessories



	suitable for:	description
99574	Prolamp_P 120W/150W	Protective cage in steel wire, ideal for increasing the impact resistance of the fixture.
83035	Prolamp_P 180W/200W	
99393	Prolamp_P 250W/280W	





biglamp

Materials

Body in die-cast aluminium.

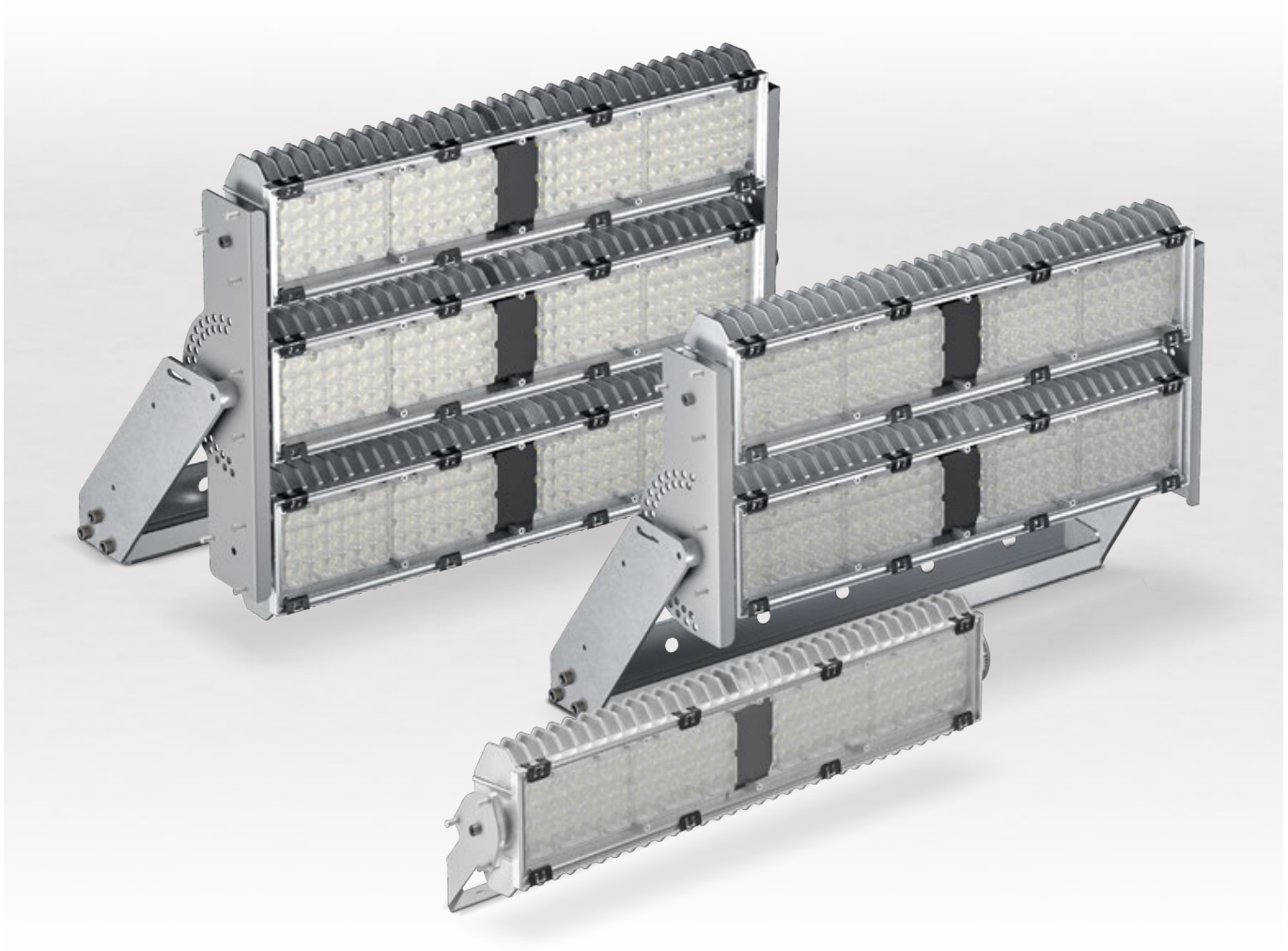
Tempered glass.

EPD treated iron bracket,
power-coated in RAL9006.





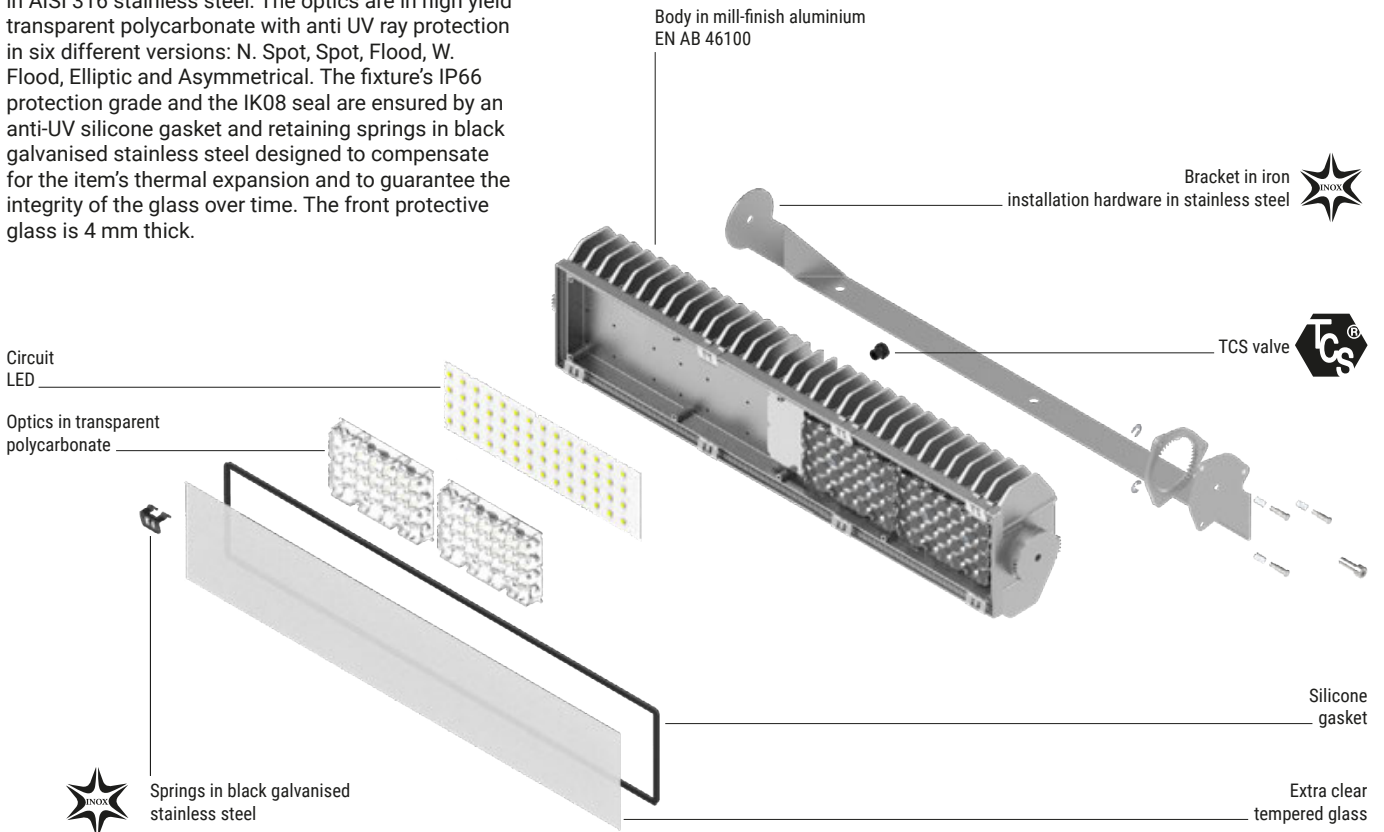
biglamp range



Biglamp	300 W	300 W	2 x 300 W	3 x 300 W
Biglamp Pro	-	450 W	2 x 450 W	3 x 450 W
Size	715 x H 170 mm	715 x H 201 mm	762 x H 536 mm	762 x H 536 mm
Finish	Allum.	Allum.	Allum.	Allum.
CCT	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K
Optics	Spot Flood Wide Flood Asymmetric	Narrow Spot Spot Flood Wide Flood Asymmetric Elliptic	Narrow Spot Spot Flood Wide Flood Asymmetric Elliptic	Narrow Spot Spot Flood Wide Flood Asymmetric Elliptic
Control	On/Off Wireless	On/Off 1-10 V DALI DMX	On/Off 1-10 V DALI DMX	On/Off 1-10 V DALI DMX

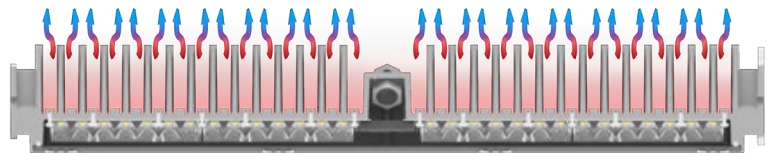
Construction details

The body of the LED module is made of EN AB 46100 die-cast untreated aluminium while the fastening bracket is in EPD treated iron with a final RAL9006 grey powder coating. All the light fixture's screws are in AISI 316 stainless steel. The optics are in high yield transparent polycarbonate with anti UV ray protection in six different versions: N. Spot, Spot, Flood, W. Flood, Elliptic and Asymmetrical. The fixture's IP66 protection grade and the IK08 seal are ensured by an anti-UV silicone gasket and retaining springs in black galvanised stainless steel designed to compensate for the item's thermal expansion and to guarantee the integrity of the glass over time. The front protective glass is 4 mm thick.



Heat dissipation

Heat dissipation is optimised thanks to the radiator with fins designed to achieve maximum dissipation through natural convection in order to ensure a long life for the LED light source.

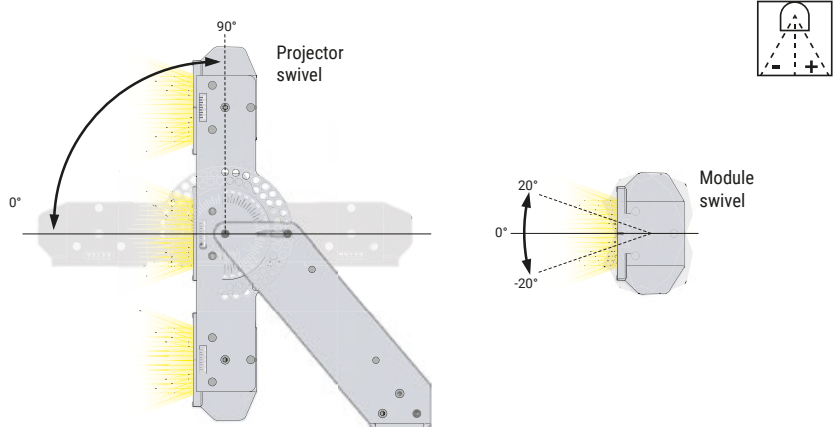


Swivelling

Independent swivelling of each individual module by manually pressing the three-spring mechanism with practical hook and release system. Adjustment of $\pm 20^\circ$ with a step every 5° . The entire luminaire can be adjusted on the horizontal axis by 90° with a step every 5° .



Three-spring hook/release mechanism.

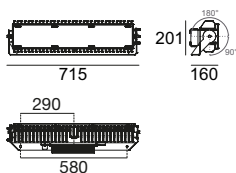


Television Lighting Consistency Index

On request, the fixtures are available with a colour rendering index of ≥ 90 and colour temperature of 5700K. With these characteristics, the light fixtures are in compliance with TV broadcasting requirements with filming in HDTV and super slow motion quality.



Biglamp | Projector | powerLED | 90-305 V AC | 280 W DC - 300 W AC

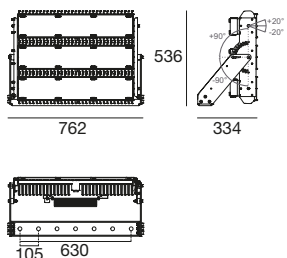


CRI 80

Allum. **82424**

	Cct	lm S - D	Optic
W	3000	42795 - On req	15 Spot (25°)
N	4000	46155 - On req	30 Flood (38°)
C	5700	46155 - On req	60 W.Flood (62°)
			07 Asymm. -

Biglamp | Projector | powerLED | 90-305 V AC | 3 x 280 W DC - 3 x 300 W AC

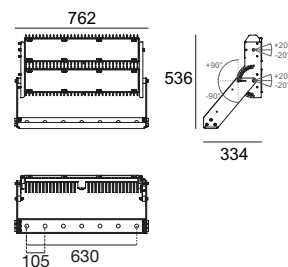


CRI 80

Allum. **82426**

	Cct	lm S - D	Optic
W	3000	128385 - On req	15 Spot (25°)
N	4000	138465 - On req	30 Flood (38°)
C	5700	138465 - On req	60 W.Flood (62°)
			07 Asymm. -

Biglamp | Projector | powerLED | 90-305 V AC | 2 x 280 W DC - 2 x 300 W AC

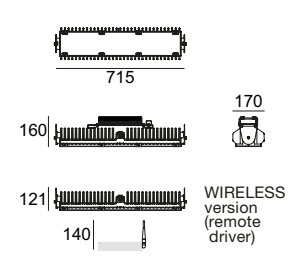


CRI 80

Allum. **82425**

	Cct	lm S - D	Optic
W	3000	85590 - On req	15 Spot (25°)
N	4000	92310 - On req	30 Flood (38°)
C	5700	92310 - On req	60 W.Flood (62°)
			07 Asymm. -

Biglamp_P | Pendant | powerLED | 198-264 V AC | 280 W AC - 300 W AC



CRI 80

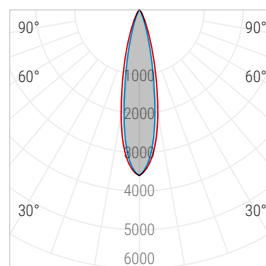
Allum. **82428**

CRI 80 - WIRELESS

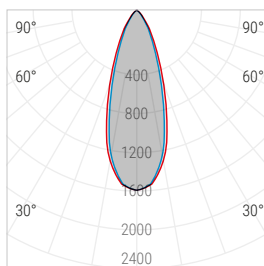
70613

	Cct	lm S - D	Optic
W	3000	42795 - On req	15 Spot (25°)
N	4000	46155 - On req	30 Flood (38°)
C	5700	46155 - On req	60 W.Flood (62°)
			07 Asymm. -

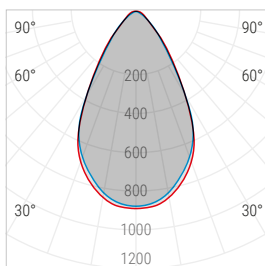
Photometric curves of Biglamp 300W (82424)



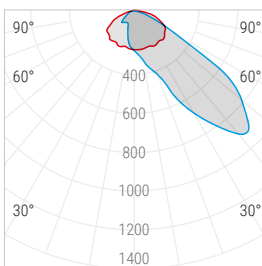
— C0/C180 — C90/C270
Optic 15 Spot



— C0/C180 — C90/C270
Optic 30 Flood



— C0/C180 — C90/C270
Optic 60 Wide Flood



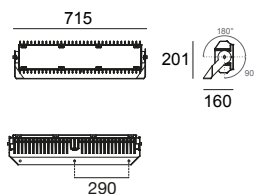
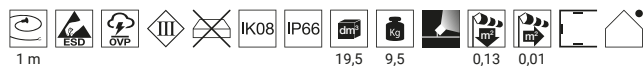
— C0/C180 — C90/C270
Optic 07 Asymmetric







Biglamp Pro | Projector | powerLED | 450 W DC



C.C. - 3600 mA - CRI 70

Allum. **84432**

Cct	Im S - D	Optic
N 4000	78781 - On req	15 Spot (18°)
C 5700	78781 - On req	20 Spot (21°)
		35 Flood (35°)
		60 W.Flood (62°)
		23 Elliptic (23°x40°)
		26 Elliptic (20°x26°)

Electronics

83212	83211	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2700 mA - CRI 70

Allum. **84435**

Cct	Im S - D	Optic
N 4000	76720 - On req	10 N.Spot (12°)
C 5700	76720 - On req	15 Spot (15°)
		30 Flood (28°)
		60 W.Flood (56°)
		23 Elliptic (23°x40°)
		26 Elliptic (20°x26°)

Electronics

83216	83215	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2500 mA - CRI 70

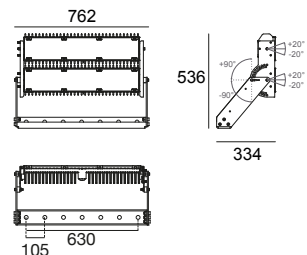
Allum. **84438**

Cct	Im S - D	Optic
N 4000	66666 - On req	07 Asymm. -
C 5700	66666 - On req	

Electronics

83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

Biglamp Pro | Projector | powerLED | 2 x 450 W DC



C.C. - 3600 mA/module - CRI 70

Allum. **84433**

Cct	Im S - D	Optic
N 4000	157562 - On req	15 Spot (18°)
C 5700	157562 - On req	20 Spot (21°)
		35 Flood (35°)
		60 W.Flood (62°)
		23 Elliptic (23°x40°)
		26 Elliptic (20°x26°)

Electronic (for single module)

83212	83211	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2700 mA/module - CRI 70

Allum. **84436**

Cct	Im S - D	Optic
N 4000	153440 - On req	10 N.Spot (12°)
C 5700	153440 - On req	15 Spot (15°)
		30 Flood (28°)
		60 W.Flood (56°)
		23 Elliptic (23°x40°)
		26 Elliptic (20°x26°)

Electronic (for single module)

83216	83215	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2500 mA/module - CRI 70

Allum. **84439**

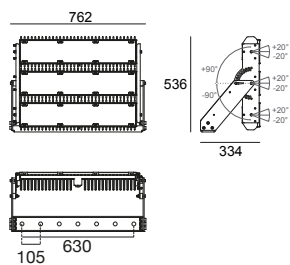
Cct	Im S - D	Optic
N 4000	133332 - On req	07 Asymm. -
C 5700	133332 - On req	

Electronic (for single module)

83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

The Driver and Control equipment is to be considered for each individual module (2x)

Biglamp Pro | Projector | powerLED | 3 x 450 W DC



C.C. - 3600 mA/module - CRI 70

Allum. **84434**

	Cct	lm S - D	Optic
N	4000	236343 - On req	15 Spot (18°)
C	5700	236343 - On req	20 Spot (21°)
			35 Flood (35°)
			60 W.Flood (62°)
			23 Elliptic (23°x40°)
			26 Elliptic (20°x26°)

Electronic (for single module)

83212	83211	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2700 mA/module - CRI 70

Allum. **84437**

	Cct	lm S - D	Optic
N	4000	230160 - On req	10 N.Spot (12°)
C	5700	230160 - On req	15 Spot (15°)
			30 Flood (28°)
			60 W.Flood (56°)
			23 Elliptic (23°x40°)
			26 Elliptic (20°x26°)

Electronic (for single module)

83216	83215	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

C.C. - 2500 mA/module - CRI 70

Allum. **84440**

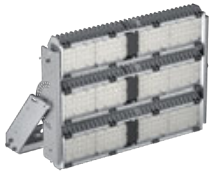
	Cct	lm S - D	Optic
N	4000	199998 - On req	07 Asymm. -
C	5700	199998 - On req	

Electronic (for single module)

83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

The Driver and Control equipment is to be considered for each individual module (3x)

Installation applications



Biglamp:

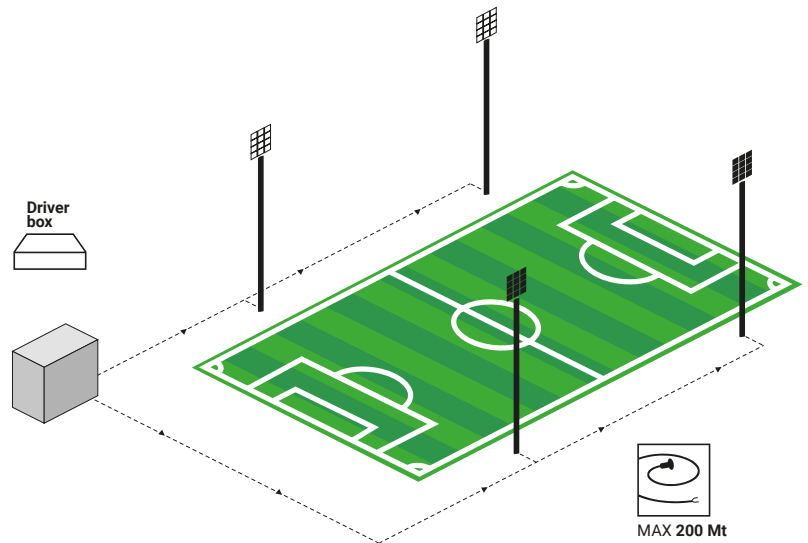
- Industry
- Gyms and sports centres
- Indoor sports activities and under tensile structures
- Tennis courts
- Basketball courts
- Volleyball courts
- Ice hockey rinks
- Large areas requiring continuous lighting

Biglamp Pro:

- Stadiums
- Medium-large football pitches
- Racecourses
- Race tracks
- Rugby pitches
- Baseball diamonds
- Golf courses
- Sports clubs with outdoor activities
- Ski slopes

Remote connection

In certain situations where the distances between the power substation and the light fixtures may be extensive, correct installation of the lighting system prevents any electrical voltage drops. To prevent this from occurring, in the cases where Biglamp is used in the versions without driver included, using a 2 x 2.5mm² gauge cable can cover up to 200 m of distance between Driver and light source, without suffering any voltage drop in the system.



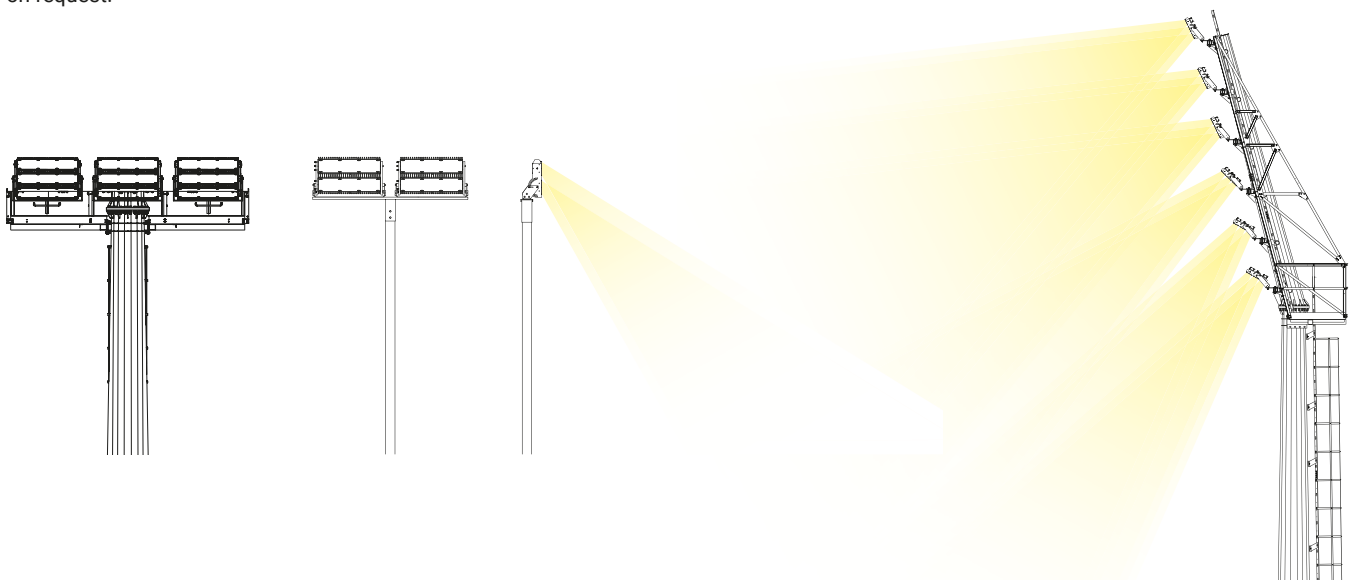
Installation on light tower

The Biglamp protector design was conceived to make installation and directing of the light beam as easy as possible. Considering the possibility of swivelling the projector and the individual modules, Biglamp is ideal for applications on any type of light tower.



Aiming

Projector aiming service is available on request.







multilamp

Materials

Body in extruded aluminium.

Side plugs in iron with galvanising treatment and polyester powder coating.

Optics screen in polycarbonate with UV protection.



multilamp range



70 W



130 W



200 W



260 W

	70 W	130 W	200 W	260 W
Size	245 x 240 mm	482 x 240 mm	719 x 240 mm	481 x 505 mm
Finish	<input type="checkbox"/> Black An <input type="checkbox"/> White	<input type="checkbox"/> Black An <input type="checkbox"/> White	<input type="checkbox"/> Black An <input type="checkbox"/> White	<input type="checkbox"/> Black An <input type="checkbox"/> White
Led n.	324	648	972	1296
Efficiency CRI 80	3000K 4000K 6500K	3000K 4000K 6500K	3000K 4000K 6500K	3000K 4000K 6500K
Optics	Flood Extra Wide Flood	Flood Extra Wide Flood	Wide Flood Extra Wide Flood	Wide Flood Extra Wide Flood
Control	On/Off DALI Wireless	On/Off DALI Wireless	On/Off DALI	On/Off DALI Wireless

Construction details

Light fixture with rectangular shape made in 6060 anodised black or RAL9003 White painted extruded aluminium. Side plugs in painted steel (black or white to match the projector body). Optics assembly in transparent, UV ray stabilised polycarbonate that also acts as a protective screen. Tightening screws and brackets in AISI 316 steel.



Antenna for WIRELESS version



Professional illumination for outdoor cultivation, available upon request. Information on page XIV

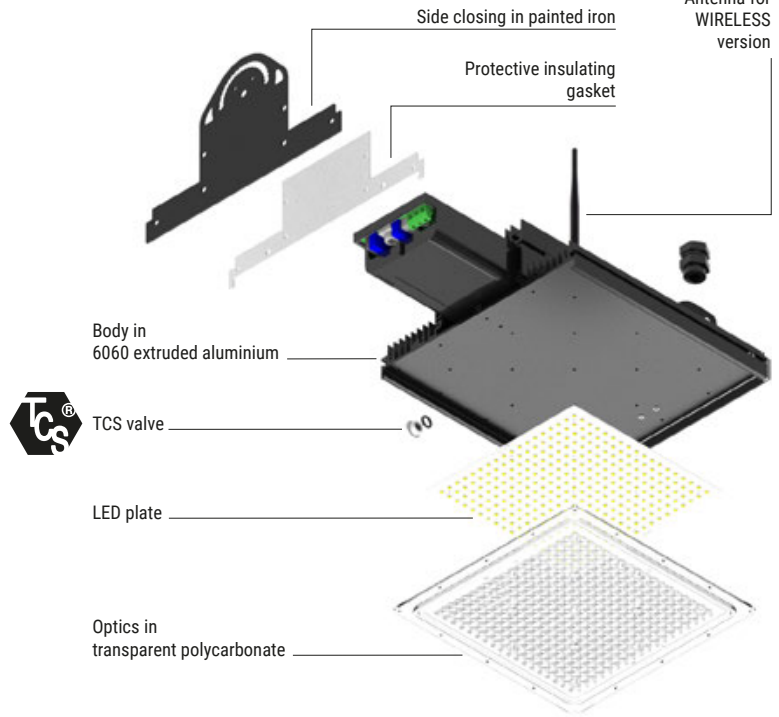


Metallic cage to protect against impact.

IK08 → IK10



With protection, compliant with standards EN13964 (annex D) and DIN 57710-13.



Installation options

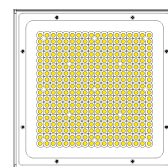
Numerous installation solutions: ceiling or wall, on busbar, hanging and recessed, thanks to the numerous accessories.



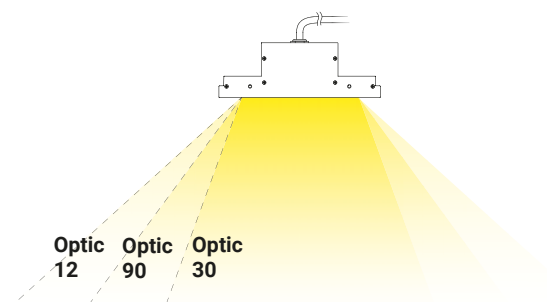
Technical lighting characteristics

Thanks to its modular nature, Multilamp is easy to expand. Each module contains 324 highly efficient power diodes.

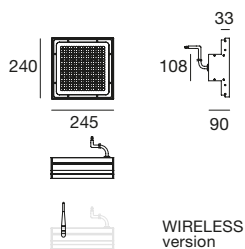
It can be assembled with 1, 2, 3 or 4 modules that can be combined with three different types of optics to make the projector as versatile as possible.



Single module: 324 Power LEDs (18x18)



Multilamp | Projector | topLED | 198-264 V AC | 63 W DC - 70 W AC

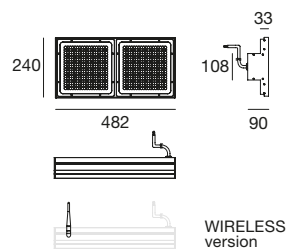


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black An	90442	90444	90473
White	90443	90445	

	Cct	lm S - D	Optic
W	3000	10180 - 8394	30 Flood (40°)
N	4000	10638 - 8772	90 E.W.Flood (84°)
C	6500	11201 - 9237	12 E.W.Flood (103°)

Accessories Pag. 45 - 46

Multilamp | Projector | topLED | 198-264 V AC | 120 W DC-130 W AC

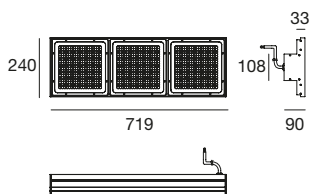


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black An	90446	90448	90475
White	90447	90449	

	Cct	lm S - D	Optic
W	3000	16459 - 16009	30 Flood (42°)
N	4000	17237 - 16764	90 E.W.Flood (82°)
C	6500	18144 - 17655	12 E.W.Flood (102°)

Accessories Pag. 45 - 46

Multilamp | Projector | topLED | 198-264 V AC | 190 W DC-200 W AC

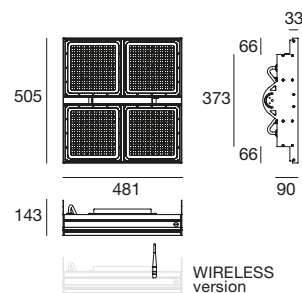


	CRI 80	CRI 80 - DALI
Black An	90450	90452
White	90451	90453

	Cct	lm S - D	Optic
W	3000	28480 - 23583	30 W.Flood (47°)
N	4000	29743 - 24630	90 E.W.Flood (86°)
C	6500	31396 - 25998	12 E.W.Flood (102°)

Accessories Pag. 45 - 46

Multilamp | Projector | topLED | 198-264 V AC | 240 W DC-260 W AC

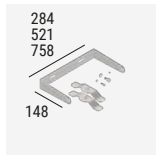


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black An	90454	90456	90476
White	90455	90457	

	Cct	lm S - D	Optic
W	3000	32918 - 31626	30 W.Flood (54°)
N	4000	34474 - 32392	90 E.W.Flood (86°)
C	6500	36288 - 34032	12 E.W.Flood (107°)

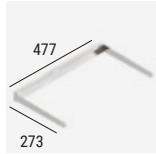
Accessories Pag. 45 - 46

Protective cage accessory



description

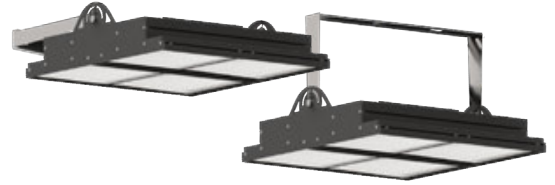
98755	Multilamp 70W	Adjustable bracket in steel with screws and safety pins for wall or ceiling installation.
98756	Multilamp 130W	
98757	Multilamp 200W	



description

99581	Adjustable bracket in steel with screws and safety pins for wall or ceiling installation.
--------------	---

suitable for: Multilamp 260W (1x**99581**)



description

99582	Adjustable bracket in steel with screws and safety pins. Ideal for installation on busbar, surface installation or hanging.
--------------	---

suitable for: Multilamp 260W (1x**99582**)



Hanging bracket accessory



description

98754	Steel bracket for ceiling installation (chains not included).
--------------	---

suitable for: Multilamp 70W (2x**98754**) / Multilamp 130W (2x**98754**)
Multilamp 200W (3x**98754**)



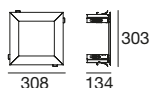
description

98748	Steel clip bracket for dual installation, hanging or surface mounted (chains not included).
--------------	---

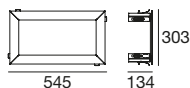
suitable for: Multilamp 70W (2x**98748**) / Multilamp 130W (2x**98748**)
Multilamp 200W (3x**98748**)



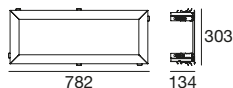
Flush frame accessory



description		
Black	98764	Multilamp 70W
White	98761	Multilamp 70W

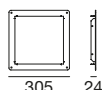
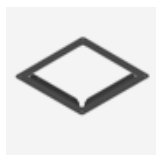
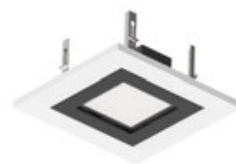


Black	98765	Multilamp 130W
White	98762	Multilamp 130W



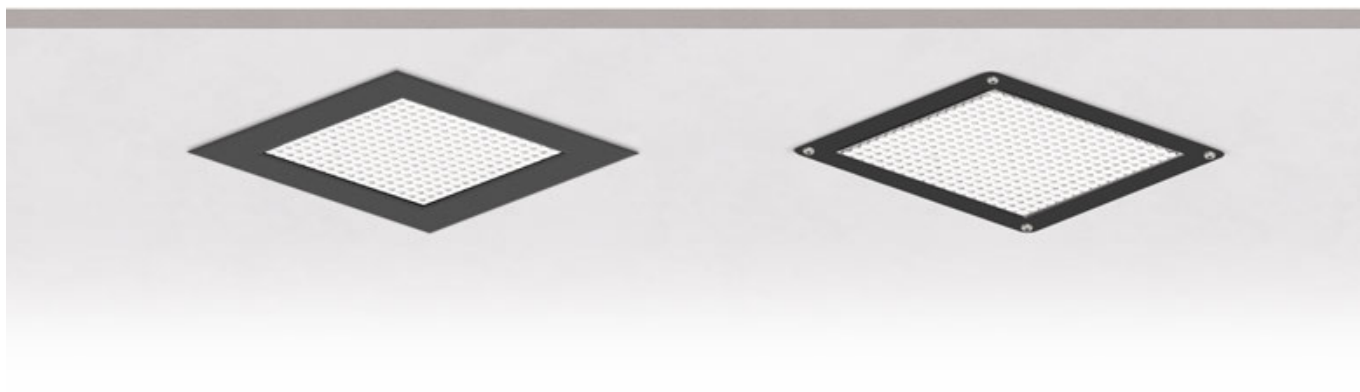
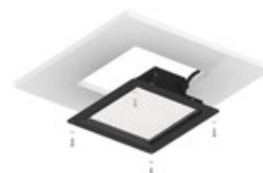
Black	98766	Multilamp 200W
White	98763	Multilamp 200W

Protective metallic cage, ideal for increasing the impact resistance of the fixture.

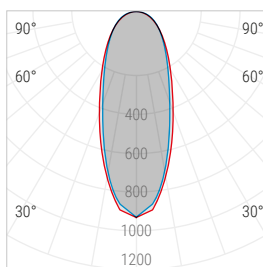


description		
Black	99484	Multilamp 70W
White	99585	Multilamp 70W

Frame in painted aluminium for direct recessed installation with screws.

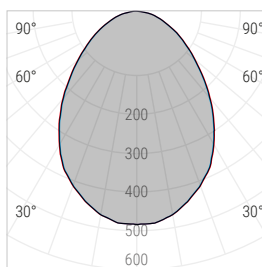


Photometric curves of Multilamp 70W (90442)



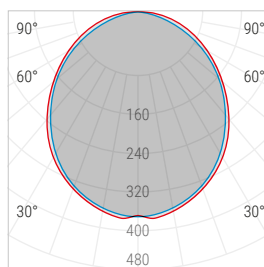
■ C0/C180 ■ C90/C270

Optic 30 Flood



■ C0/C180 ■ C90/C270

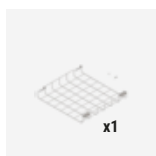
Optic 90 Extra Wide Flood



■ C0/C180 ■ C90/C270

Optic 12 Extra Wide Flood

Protective cage accessory



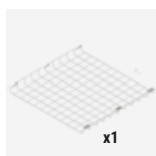
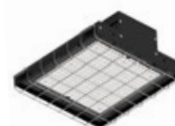
x1

description

98758

Protective metallic cage, ideal for increasing the impact resistance of the fixture.

suitable for: Multilamp 70W (1x**98758**) / Multilamp 130W (2x**98758**)
Multilamp 200W (3x**98758**)



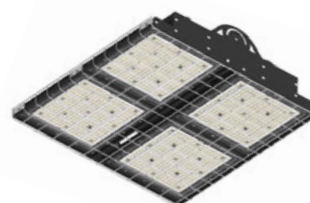
x1

description

98760

Protective metallic cage, ideal for increasing the impact resistance of the fixture.

suitable for: Multilamp 260W (1x**98760**)







flamp

Materials

Structure in die-cast aluminium.
Radiator in extruded aluminium.
Tempered glass.



flamp range



100 W



130 W



150 W



180 W



200 W



245 W



280 W

	100 W	130 W	150 W	180 W	200 W	245 W	280 W
Size	Ø 300 x H 180 mm	Ø 300 x H 180 mm	Ø 300 x H 230 mm	Ø 300 x H 280 mm	Ø 300 x H 280 mm	Ø 300 x H 330 mm	Ø 300 x H 575 mm
Finish	Alum Zr	Alum Zr	Alum Zr	Alum Zr	Alum Zr	Alum Zr	Alum Zr
Led n.	3	3	3	3	4	4	6
Efficiency CRI 80	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K
Optics	Flood Wide Flood Extra Wide Flood Oval	Flood Wide Flood Extra Wide Flood Oval	Flood Wide Flood Extra Wide Flood Oval	Flood Wide Flood Extra Wide Flood Oval	Flood Wide Flood Extra Wide Flood Oval	Flood Wide Flood Extra Wide Flood Oval	Wide Flood Extra Wide Flood Oval
Driver	On/Off DALI	On/Off DALI Wireless	On/Off DALI	On/Off DALI Wireless	On/Off DALI	On/Off DALI Wireless	On/Off DALI

Construction details

Structure made of epoxy powder coated die-cast aluminium (EN AB 46100). An electrochemical open-pore anodising pretreatment is carried out on the base alloy which guarantees outstanding corrosion resistance. Front cover in extra clear tempered glass (4 mm thick) that ensures high impact resistance. The grade of protection and the seal are guaranteed by a silicone gasket. High mechanical resistance (IK08) LED suspension. Hook system to allow installation with suspension cables/chains (not included). All of the light fixture's screws and brackets are in stainless steel.

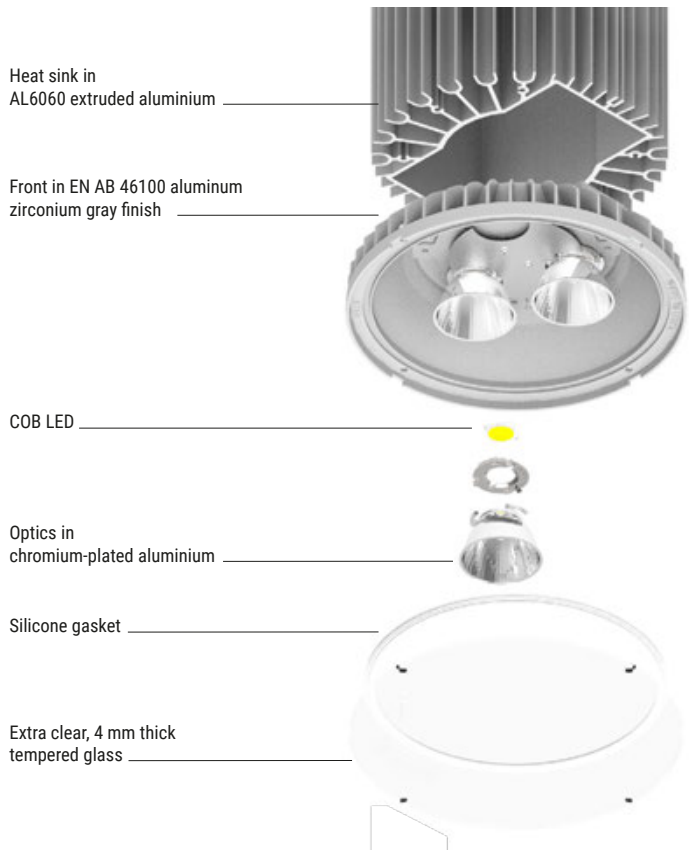


Metallic cage available on request to protect against impact.



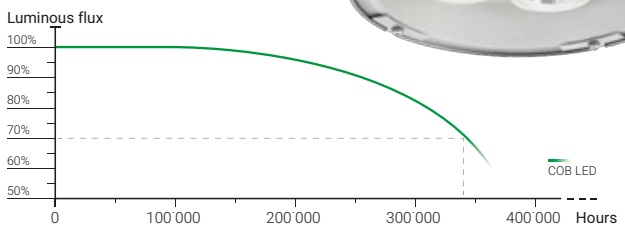
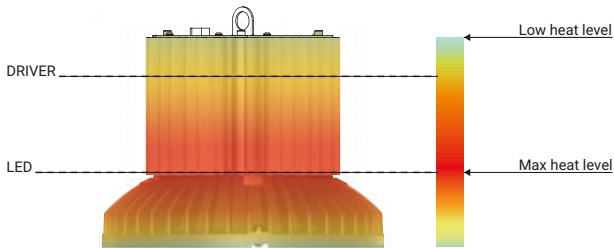
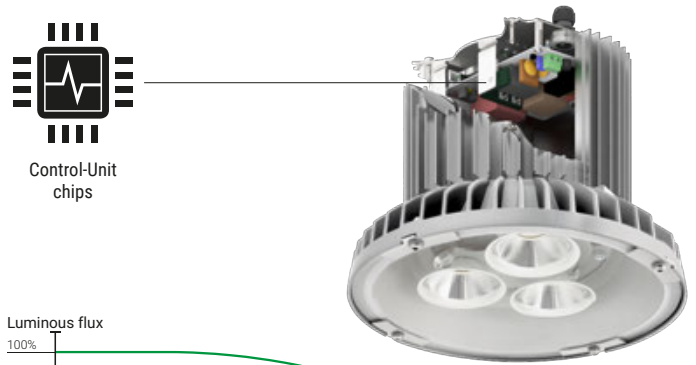
With protection, compliant with standards EN13964 (annex D) and DIN 57710-13.

IK08 → IK10



High performance and efficiency

Lamp body integrated with electronic system and hardware control which allows the power supply and operation to be managed with optimum efficiency. The excellent heat dissipation of the dissipating body, designed specifically in the fins form, guarantees further efficiency and a long life for Flamp projectors.



Visual comfort

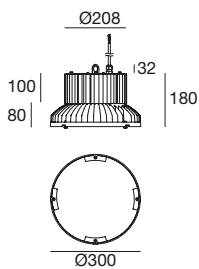
For safety reasons, in certain work environments, lighting with controlled and specific glare values is required. In these environments, the reference UGR values must be equal to or lower than 22. We recommend the use of 30 and 60 optics designed specifically to guarantee UGR values in compliance with the standards for work environments.



UGR ≤ 22



Flamp | Pendant | arrayLED | 198-264 V AC | 91 W DC - 100 W AC

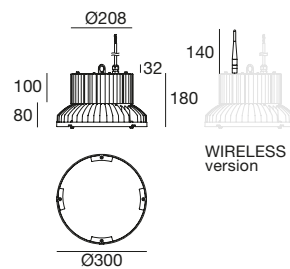


	CRI 80	CRI 80 - DALI
Alum Zr	80761	80762

	Cct	lm S - D	Optic
W	3000	12810 - On req	30 Flood* (36°)
N	4000	13764 - On req	60 W.Flood* (65°)
C	5000	13764 - On req	90 E.W.Flood (93°)
			11 E.W.Flood (112°)
			88 Oval (35°x70°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 120 W DC - 130 W AC

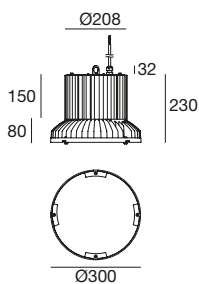


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Alum Zr	80536	80537	76007

	Cct	lm S - D	Optic
W	3000	16278 - On req	30 Flood* (36°)
N	4000	17500 - On req	60 W.Flood* (65°)
C	5000	18723 - On req	90 E.W.Flood (98°)
			11 E.W.Flood (112°)
			88 Oval (35°x70°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 140 W DC - 150 W AC

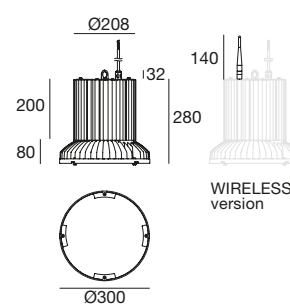


	CRI 80	CRI 80 - DALI
Alum Zr	80538	80539

	Cct	lm S - D	Optic
W	3000	18460 - On req	30 Flood* (38°)
N	4000	21222 - On req	60 W.Flood* (64°)
C	5000	22695 - On req	90 E.W.Flood (92°)
			11 E.W.Flood (111°)
			88 Oval (36°x71°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 170 W DC - 180 W AC

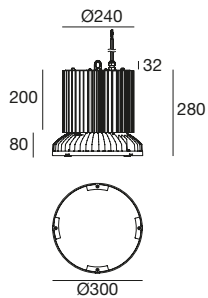


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Alum Zr	80540	80541	76008

	Cct	lm S - D	Optic
W	3000	25380 - On req	30 Flood* (38°)
N	4000	28200 - On req	60 W.Flood* (63°)
C	5000	28200 - On req	90 E.W.Flood (92°)
			11 E.W.Flood (112°)
			88 Oval (36°x71°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 183 W DC - 200 W AC

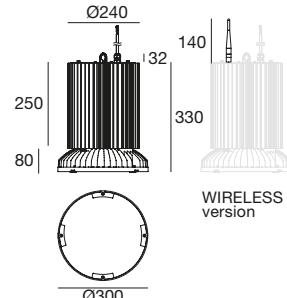


	CRI 80	CRI 80 - DALI
Alum Zr	80542	80543

	Cct	lm S - D	Optic
W	3000	24612 - On req	30 Flood* (38°)
N	4000	28296 - On req	60 W.Flood* (64°)
C	5000	30260 - On req	90 E.W.Flood (92°)
			11 E.W.Flood (116°)
			88 Oval (37°x71°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 220 W DC - 245 W AC

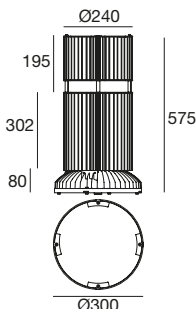


	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Alum Zr	80544	80545	76009

	Cct	lm S - D	Optic
W	3000	31376 - On req	30 Flood* (38°)
N	4000	36072 - On req	60 W.Flood* (64°)
C	5000	38576 - On req	90 E.W.Flood (91°)
			11 E.W.Flood (116°)
			88 Oval (37°x71°)

Accessories Pag. 54

Flamp | Pendant | arrayLED | 198-264 V AC | 256 W DC - 280 W AC



	CRI 80	CRI 80 - DALI
Alum Zr	80766	80767

	Cct	lm S - D	Optic
W	3000	35718 - On req	60 W.Flood (69°)
N	4000	41070 - On req	90 E.W.Flood (94°)
C	5000	43920 - On req	11 E.W.Flood (113°)
			88 Oval (57°x89°)

Accessories Pag. 54

Optic 11 Extra Wide Flood

The fixtures with 11 optic have an internal surface adjacent to the LED source painted reflective white.

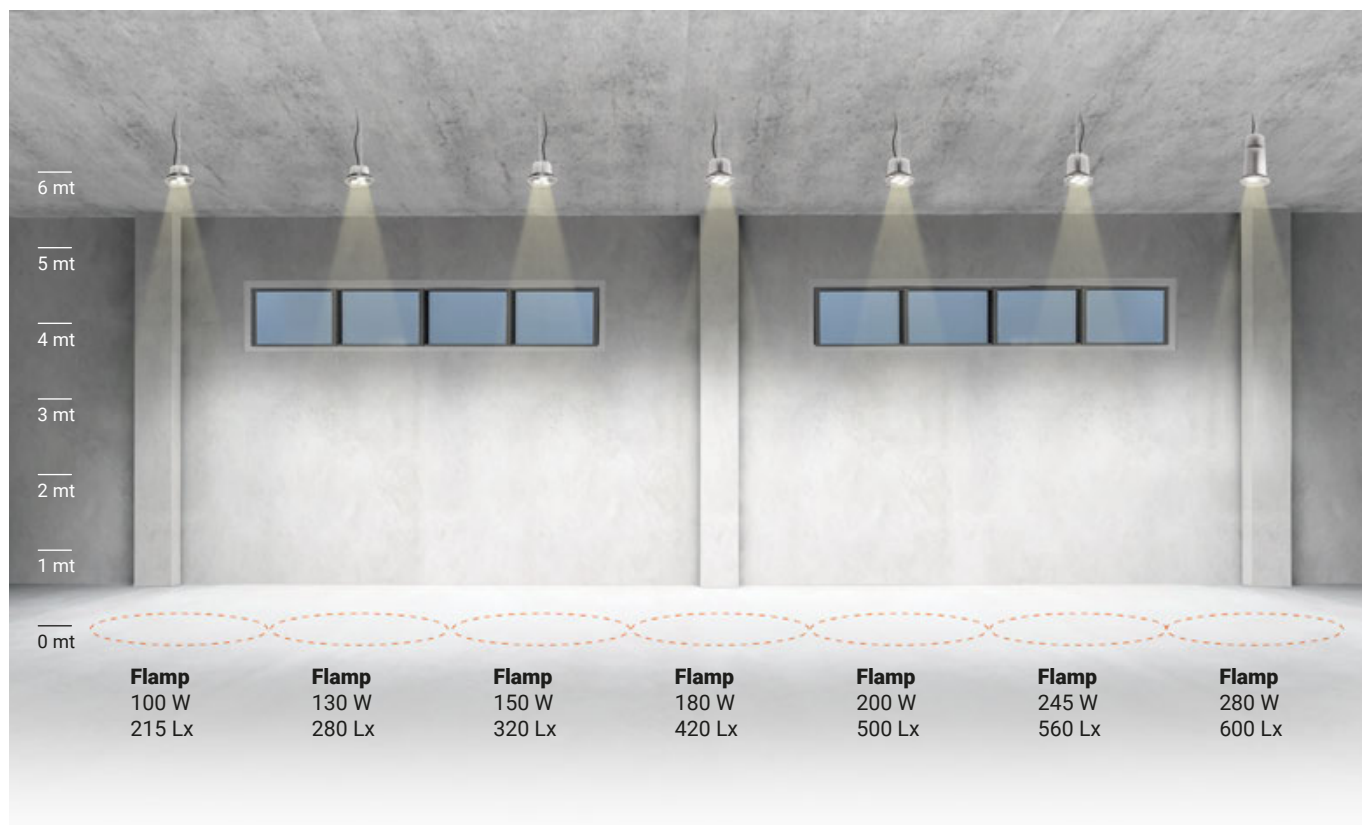


Optic 88 Oval

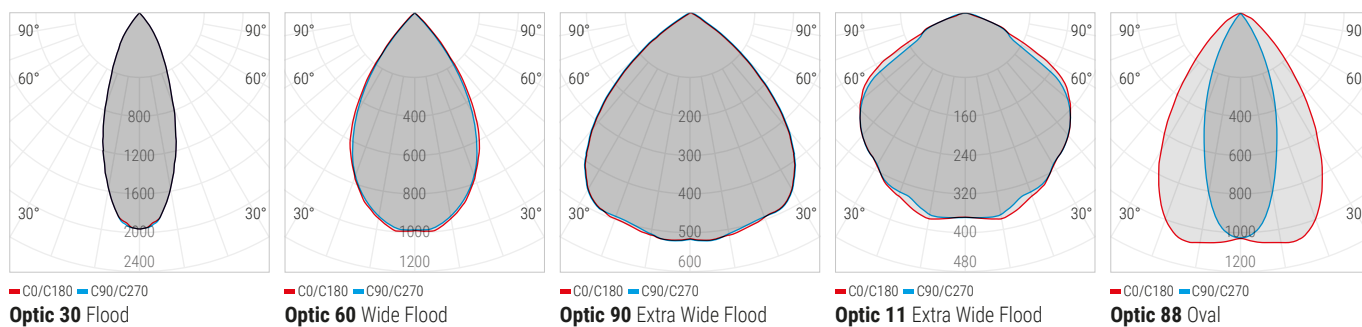
The fixtures with 88 optic have a fastening system with double connection. This way, the fixtures can be hung with the chains, keeping the light beam direction fixed. The transparent glass diffuser is tempered with a grooved pattern.



Ground lighting with optic 60



Photometric curves of Flamp 200W (80542)



Accessories

For all the Flamp versions, a micro-prismatic diffuser accessory in UV polycarbonate is available, ideal for reducing direct glare.



description

98727

Diffuser accessory in UV polycarbonate is available.

suitable for: All Flamp version











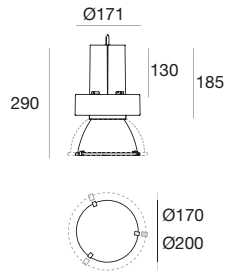
mini flamp

Materials

Die-cast aluminium.

Optics diffuser in PMMA with UV protection.

Mini Flamp | Pendant | arrayLED | 198-264 V AC | 46 W DC - 50 W AC



CRI 80

White	96759
Black	96760

	Cct	lm S - D	Optic
W	3000	6002 - 5020	15 Flood* (27°)
N	4000	6452 - 5397	30 Flood* (38°)
C	5000	6903 - 5774	60 W.Flood* (64°)
			99 E.W.Flood (76°)

On request, Mini Flamp available with 80-watt AC power



Ø 170

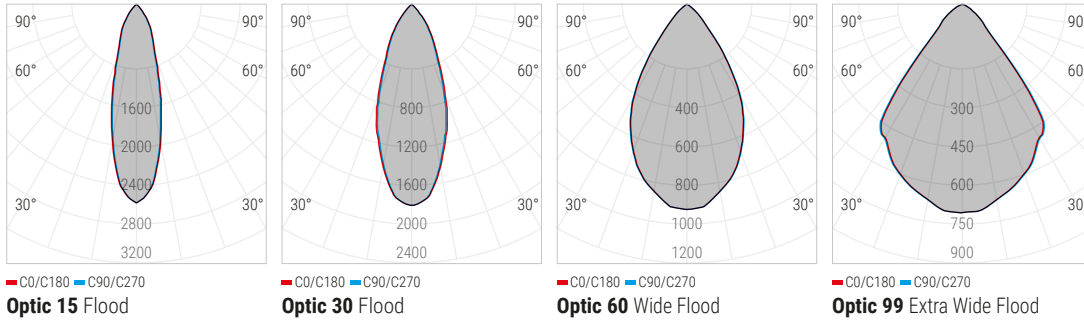


99
Extra
Wide
Flood

Ø 200

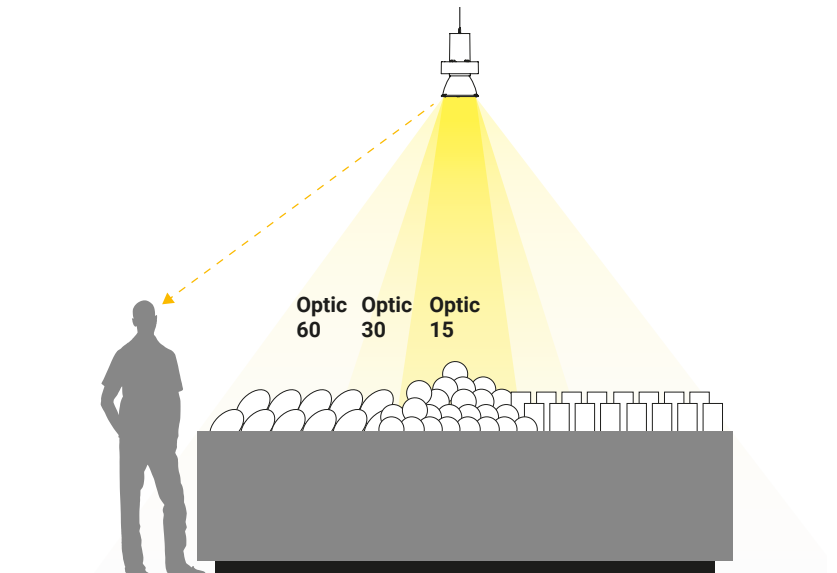
15 Flood **30** Flood **60** Wide Flood

Photometric curves of Mini Flamp 50W (96759)



Visual comfort

The 15, 30 and 60 are designed specifically to guarantee visual comfort and UGR values in compliance with the standards for certain environments.



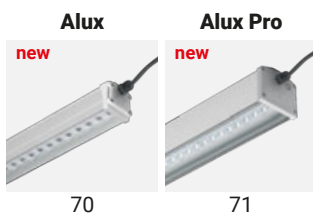




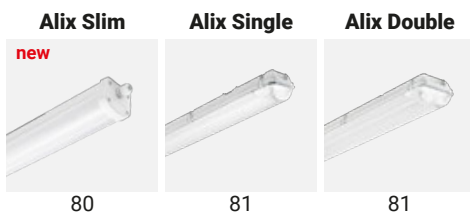
Ceiling light

ceiling light range index

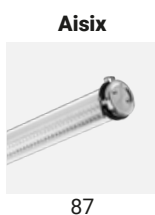
Alux



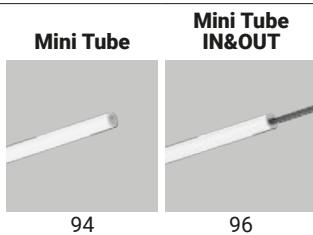
Alix



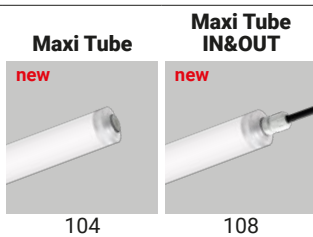
Aisix



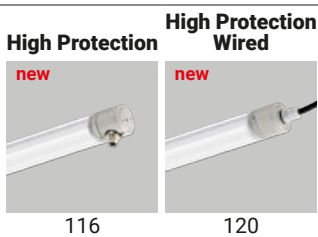
Mini Tube



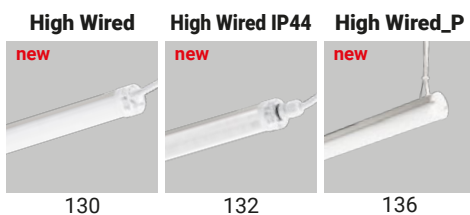
Maxi Tube



High Protection



High Wired









alux

Materials

Body in anodised extruded aluminium.
Extra-clear tempered glass or
polycarbonate diffuser.





alux range



	Alux			Alux Pro				
	27 W	54 W	64 W	40 W	70 W	100 W	130 W	170 W
Size	627 mm	1212 mm	1505 mm	454 mm	844 mm	1234 mm	1624 mm	2302 mm
Emergency	-	1227 mm EM	-	-	-	-	-	-
Finish	Alu Glass Alu Poly	Alu Glass Alu Poly	Alu Glass Alu Poly	Alu Glass	Alu Glass	Alu Glass	Alu Glass	Alu Glass
Efficiency CRI 80	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K
Optics	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.	Flood Wide Flood E.W. Flood Diffused Double Asymm.
Control	On/Off DALI	On/Off DALI	On/Off DALI	On/Off DALI	On/Off DALI	On/Off DALI Wireless	On/Off DALI Wireless	On/Off DALI Wireless

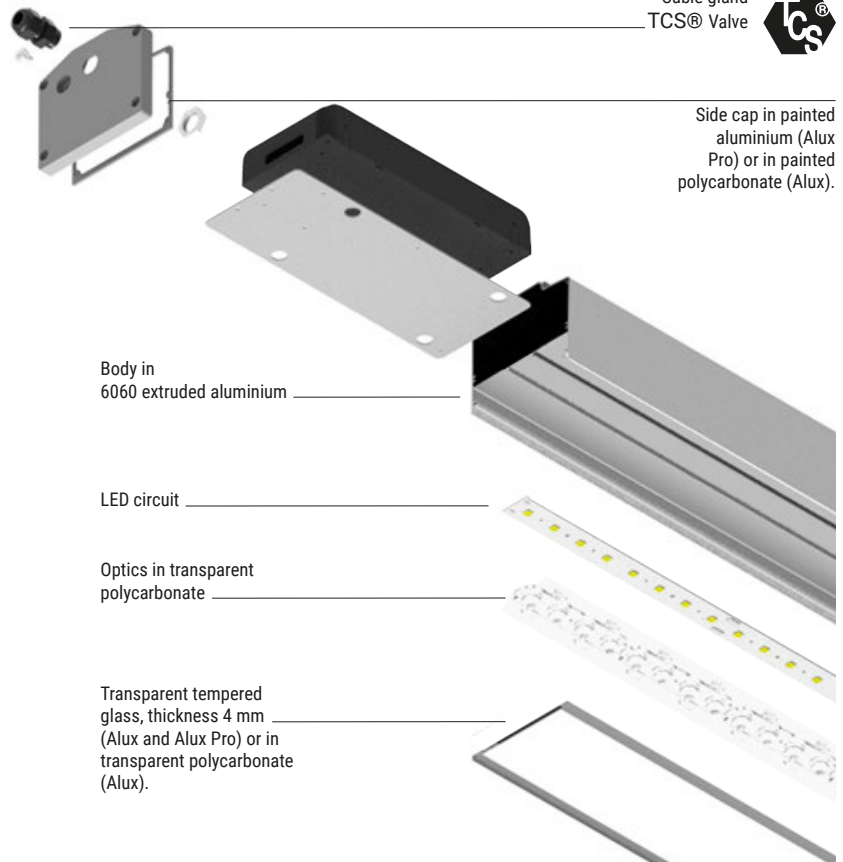
Construction details

Waterproof structure made in anodised extruded aluminium, cover in impact resistant tempered glass. Driver built into the lamp body with direct connection to the mains power via neoprene cable.



Resistance to corrosion (Side cap Alux Pro)

An electrochemical open-pore anodising pretreatment is carried out on the base allow to guarantee resistance to the corrosion typical in environments where aggressive substances are in the air. The TCS® valve is built into the closing plug of the profile for transpiration.



Professional illumination for outdoor cultivation, available upon request. Information on page XIV

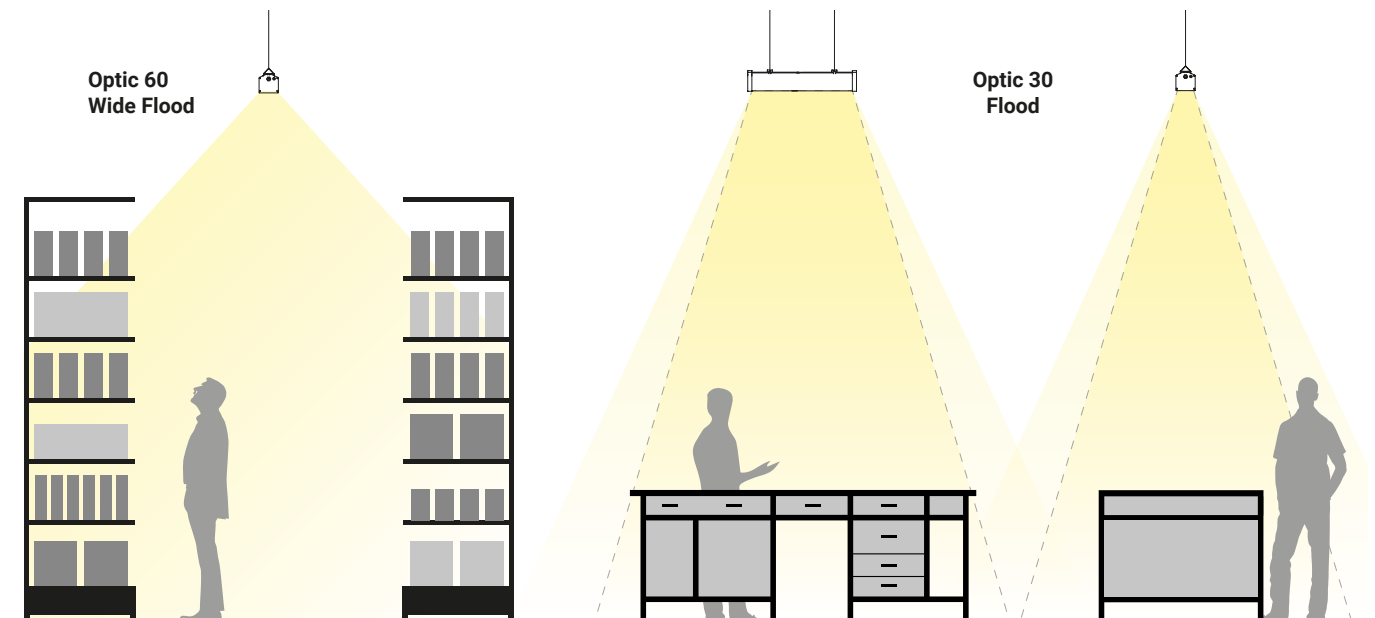


UGR controlled

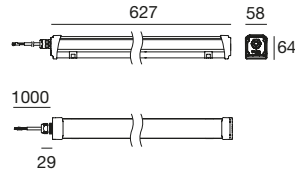
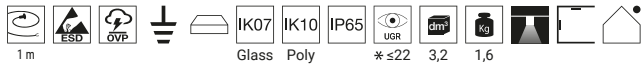
The high precision optics used perfectly convey the emission of the primary light cone, significantly decreasing the light of the secondary cone. This aspect is also guaranteed by the use of narrow optics which are notoriously more difficult due to unwanted glare.



By using Flood or W. Flood optics, the result is a particularly intense and uniform light, without reflections and with a controlled UGR ≤ 22.



Alux | Ceiling | topLED | 198-264 V AC | 24 W DC - 27 W AC

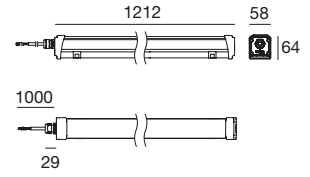
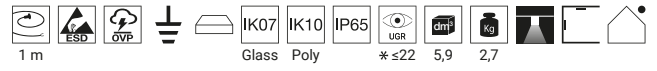


	CRI 80	CRI 80 - DALI
Alu Glass	84418	84424
Alu Poly	84421	84427

	Cct	lm S - D	Optic
W	3000	3852 - On req	30 Flood* -
N	4000	4029 - On req	60 W.Flood -
C	5700	4029 - On req	12 E.W.Flood -
			00 Diffused -
			69 D.Asymm -

Accessories Pag. 74

Alux | Ceiling | topLED | 198-264 V AC | 49 W DC - 54 W AC

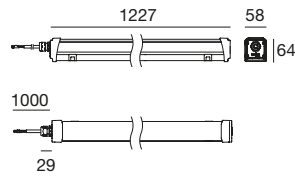
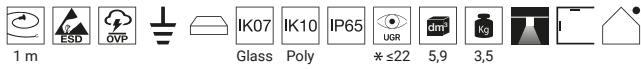


	CRI 80	CRI 80 - DALI
Alu Glass	84419	84425
Alu Poly	84422	84428

	Cct	lm S - D	Optic
W	3000	7704 - On req	30 Flood* -
N	4000	8057 - On req	60 W.Flood -
C	5700	8057 - On req	12 E.W.Flood -
			00 Diffused -
			69 D.Asymm -

Accessories Pag. 74

Alux EM | Ceiling | topLED | 198-264 V AC | 49 W DC - 54 W AC



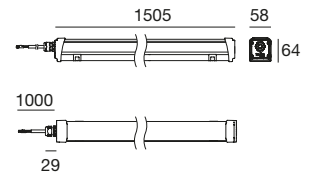
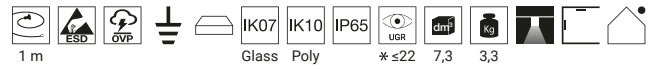
	CRI 80
Alu Glass	84430
Alu Poly	84431

	Cct	lm S - D	Optic
W	3000	7704 - On req	30 Flood* -
N	4000	8057 - On req	60 W.Flood* -
C	5700	8057 - On req	12 E.W.Flood -
			00 Diffused -
			69 D.Asymm -

Emergency: 1 Hours - 5W DC - lm D: (W) 768, (N) 813 (C) 813

Accessories Pag. 74

Alux | Ceiling | topLED | 198-264 V AC | 60 W DC - 64 W AC

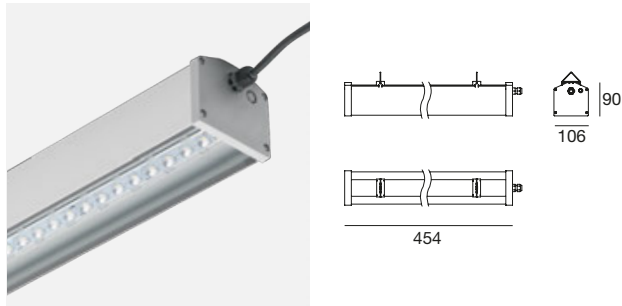


	CRI 80	CRI 80 - DALI
Alu Glass	84420	84426
Alu Poly	84423	84429

	Cct	lm S - D	Optic
W	3000	9340 - On req	30 Flood* -
N	4000	9768 - On req	60 W.Flood* -
C	5700	9768 - On req	12 E.W.Flood -
			00 Diffused -
			69 D.Asymm -

Accessories Pag. 74

Alux Pro | Ceiling | topLED | 198-264 V AC | 35 W DC - 40 W AC

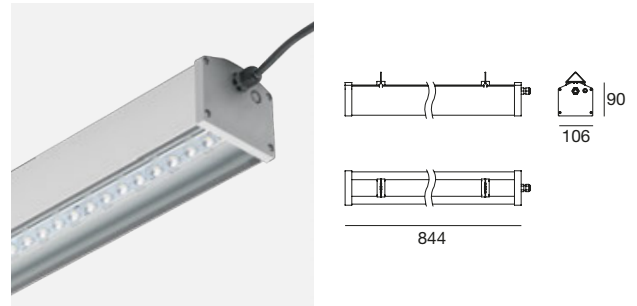


	CRI 80	CRI 80 - DALI
Alu Glass	81774	81775

	Cct	lm S - D	Optic
W	3000	5390 - 4839	30 Flood* (32°)
N	4000	5635 - 5056	60 W.Flood* (53°)
C	5700	5635 - 5056	12 E.W.Flood (117°)
			00 Diffused -
			69 D.Asymm -

Accessories Pag. 74

Alux Pro | Ceiling | topLED | 198-264 V AC | 65 W DC - 70 W AC

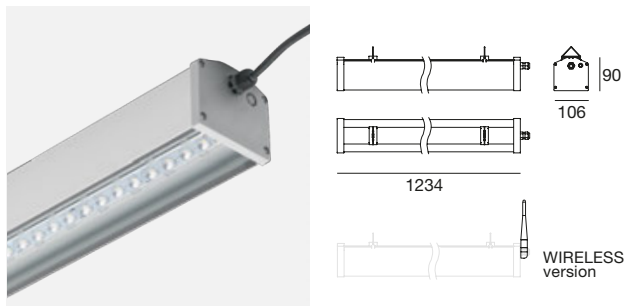


	CRI 80	CRI 80 - DALI
Alu Glass	81776	81777

	Cct	lm S - D	Optic
W	3000	10055 - 8702	30 Flood* (32°)
N	4000	10538 - 9093	60 W.Flood* (52°)
C	5700	10538 - 9093	12 E.W.Flood (117°)
			00 Diffused -
			69 D.Asymm -

Accessories Pag. 74

Alux Pro | Ceiling | topLED | 198-264 V AC | 90 W DC - 100 W AC



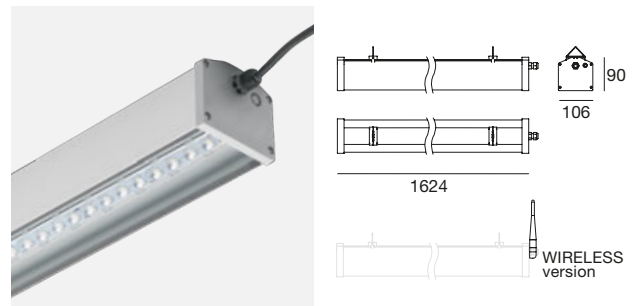
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS**
Alu Glass	81778	81779	76010

	Cct	lm S - D	Optic
W	3000	13891 - 11943	30 Flood* (32°)
N	4000	14558 - 12480	60 W.Flood* (51°)
C	5700	14558 - 12480	12 E.W.Flood (116°)
			00 Diffused -
			69 D.Asymm -

** Only indoor

Accessories Pag. 74

Alux Pro | Ceiling | topLED | 198-264 V AC | 121 W DC - 130 W AC



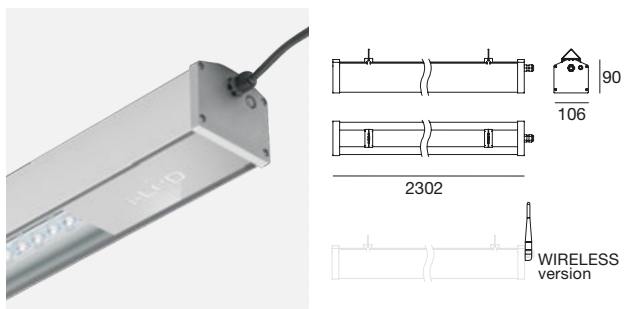
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS**
Alu Glass	81780	81781	76011

	Cct	lm S - D	Optic
W	3000	17711 - 15813	30 Flood* (33°)
N	4000	18563 - 16521	60 W.Flood* (50°)
C	5700	18563 - 16521	12 E.W.Flood (116°)
			00 Diffused -
			69 D.Asymm -

** Only indoor

Accessories Pag. 74

Alux Pro | Ceiling | topLED | 198-264 V AC | 157 W DC - 170 W AC



	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS**
Alu Glass	76034	76035	76012

	Cct	lm S - D	Optic
W	3000	24021 - 21396	30 Flood (33°)
N	4000	25120 - 22356	60 W.Flood (50°)
C	5700	25120 - 22356	12 E.W.Flood (116°)
			00 Diffused -
			69 D.Asymm -

** Only indoor

Accessories Pag. 74

Alux Pro 100 W
Wireless version (Twil)

Alux Pro 130 W
Wireless version (Twil)



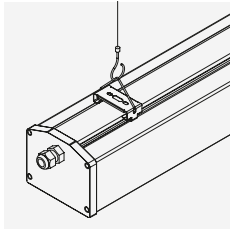
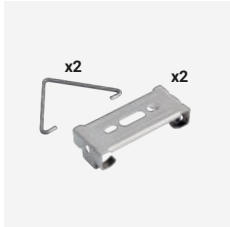
Alux Pro 170 W
Wireless version (Twil)



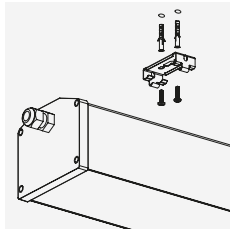
Ceiling light

Installation

Easy hanging or surface installation.
Application using double clip bracket and double support hook included with the item (cables for hanging not included).

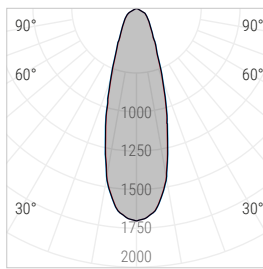


Hanging installation

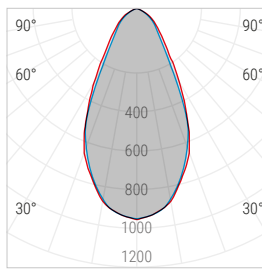


Surface installation

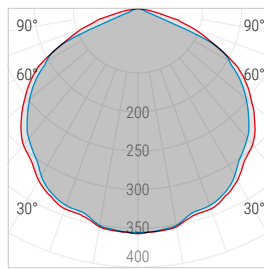
Photometric curves of Alux Pro 40W (81774)



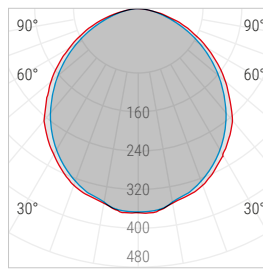
— C0/C180 — C90/C270
Optic 30 Flood



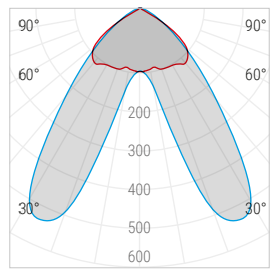
— C0/C180 — C90/C270
Optic 60 Wide Flood



— C0/C180 — C90/C270
Optic 12 Extra Wide Flood



— C0/C180 — C90/C270
Optic 00 Diffused



— C0/C180 — C90/C270
Optic 69 Double Asymmetric

Accessories



84863

description

Extension cables in neoprene ON-OFF (per meter) 3x1mm².
Example: 84863 x 3 pz = 3m



99737

description

Quick connector ON-OFF IP68 socket/plug (3 poles).



83239

description

Extension cables in neoprene DALI (per meter) 5x2,5mm².
Example: 83239 x 3 pz = 3m



alix

Materials

Body in polycarbonate with UV protection.

Diffuser in polycarbonate with UV protection.





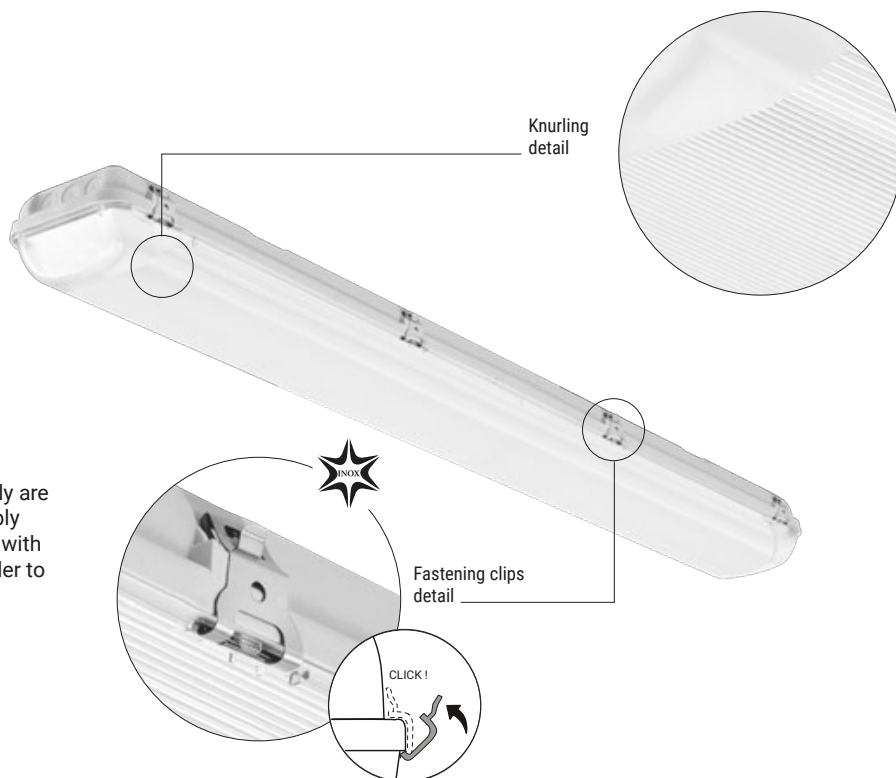
alix range



	Alix Slim	Alix Slim	Alix Slim	Alix Single	Alix Single	Alix Single	Alix Double	Alix Double	Alix Double
Size	600 mm	1200 mm	1500 mm	660 mm	1277 mm	1573 mm	660 mm	1277 mm	1573 mm
Emergency		1200 mm EM	1500 mm EM						
Power	24 W	48 W	60 W	6,5 W	15 W	24 W	13 W	30 W	48 W
Finish	White	White	White	Grey	Grey	Grey	Grey	Grey	Grey
Efficiency CRI 80	4000K	4000K	4000K	4000K	4000K	4000K	4000K	4000K	4000K
Optics	Diffused	Diffused	Diffused	E.W. Flood	E.W. Flood	E.W. Flood	E.W. Flood	E.W. Flood	E.W. Flood
Control	On/Off	On/Off DALI	On/Off DALI	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off

Knurled prismatic cover

The prismatic diffuser ensures optimum light distribution, overcoming the direct glare effect. The ends of the cover have a different pattern to hide the LED tube connections.



Closing clip in stainless steel

The clips that fasten the diffuser to the lamp body are in stainless steel and they allow for easy assembly and disassembly of the diffuser. Lock the fixture with a single safe click, audible in a unique way, in order to ensure that the IP66 Protection is guaranteed.

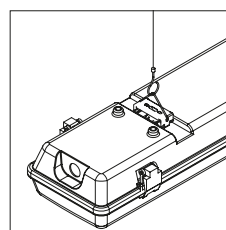
Simplicity and sturdiness

Compact and reliable ceiling light with a contemporary design, made entirely of polycarbonate. Opaline white diffuser, glossy white light body. The uniform light emission makes Alix Slim perfect for commercial and industrial lighting.

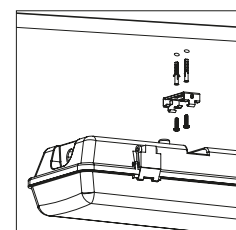


Installation

Easy hanging or surface installation. Application using double clip bracket and double support hook included with the item. The cables for hanging are not included.



Hanging installation
(Alix Single, Alix Double)



Surface installation
(Alix Single, Alix Double,
Alix Slim)

Alix Slim | Ceiling | topLED | 190-250 V AC



74
87

600 mm - 22W DC - 24W AC - CRI 80

White **84259**



4,7 0,6

Cct	lm S - D	Optic
N 4000	2400 - On req	00 Diffused -

1200 mm - 44W DC - 48W AC - CRI 80

White **84260**



9 1,2

Cct	lm S - D	Optic
N 4000	4800 - On req	00 Diffused -

1500 mm - 55W DC - 60W AC - CRI 80

White **84261**



11 1,5

Cct	lm S - D	Optic
N 4000	6000 - On req	00 Diffused -

Alix Slim EM | Ceiling | topLED | 190-250 V AC



74
87

EM

1200 mm - 44W DC - 48W AC - CRI 80

White **84591***



9 1,2

Cct	lm S - D	Optic
N 4000	4800 - On req	00 Diffused -

Emergency: 3 Hours - 2,5W DC - lm D: (N) 250

1500 mm - 55W DC - 60W AC - CRI 80

White **84592***



11 1,5

Cct	lm S - D	Optic
N 4000	6000 - On req	00 Diffused -

Emergency: 3 Hours - 2,5W DC - lm D: (N) 250

* Available on request

Alix Slim | Ceiling | topLED | 190-250 V AC



74
87

1200 mm - 44W DC - 48W AC - CRI 80 - DALI 2

White **84262**



9 1,2

Cct	lm S - D	Optic
N 4000	4800 - On req	00 Diffused -

1500 mm - 55W DC - 60W AC - CRI 80 - DALI 2

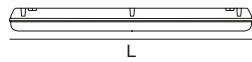
White **84263**



11 1,5

Cct	lm S - D	Optic
N 4000	6000 - On req	00 Diffused -

Alix Single | Ceiling | topLED | 220-240 V AC



660 mm - 5,5W DC - 6,5W AC - CRI 80

Grey **82347**



Cct	lm S - D
N 4000	1092 - 950

Optic
12 E.W.Flood (85°)

1277 mm - 13,5W DC - 15W AC - CRI 80

Grey **82348**



Cct	lm S - D
N 4000	2731 - 2375

Optic
12 E.W.Flood (85°)

1573 mm - 22W DC - 24W AC - CRI 80

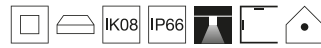
Grey **82349**



Cct	lm S - D
N 4000	4427 - 3850

Optic
12 E.W.Flood (85°)

Alix Double | Ceiling | topLED | 220-240 V AC



660 mm - 12W DC - 13W AC - CRI 80

Grey **82350**



Cct	lm S - D
N 4000	2242 - 1950

Optic
12 E.W.Flood (85°)

1277 mm - 28W DC - 30W AC - CRI 80

Grey **82351**



Cct	lm S - D
N 4000	5347 - 4650

Optic
12 E.W.Flood (85°)

1573 mm - 44W DC - 48W AC - CRI 80

Grey **82352**

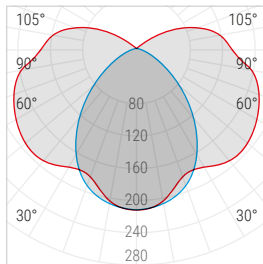


Cct	lm S - D
N 4000	8395 - 7300

Optic
12 E.W.Flood (85°)

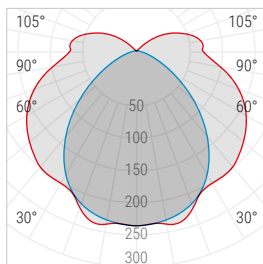
Rotocart HQ | Treviso, Italy

Alix Single 6,5W (82347)



— C0/C180 — C90/C270
Optic 12 Extra Wide Flood

Alix Double 13W (82350)



— C0/C180 — C90/C270
Optic 12 Extra Wide Flood









aisix

Materials

Plugs in stainless steel.

Body in polycarbonate with UV protection.



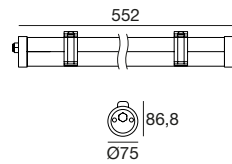
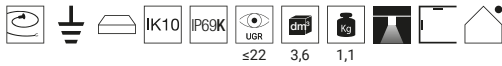
aisix range



DALI versions available on request. **UGR≤22**

	20 W	40 W	60 W
Size	552 mm	1152 mm	1452 mm
Finish	Transp.	Transp.	Transp.
Efficiency CRI 80	4000K	4000K	4000K
Optics	Flood	Flood	Flood
Control	On/Off	On/Off	On/Off

Aisix | Ceiling | topLED | 200-240 V AC | 18 W DC - 20 W AC

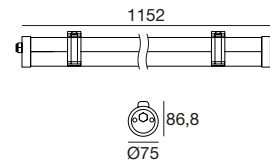


CRI 80

Transp. **82633**

Cct	lm S - D	Optic
N 4000	3277 - 2881	40 Flood (35°)

Aisix | Ceiling | topLED | 200-240 V AC | 37 W DC - 40 W AC

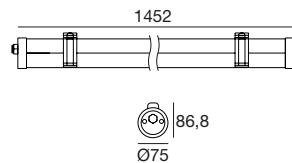
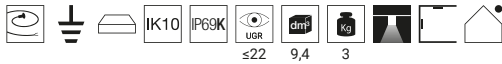


CRI 80

Transp. **82634**

Cct	lm S - D	Optic
N 4000	7015 - 5320	40 Flood (35°)

Aisix | Ceiling | topLED | 200-240 V AC | 56 W DC - 60 W AC

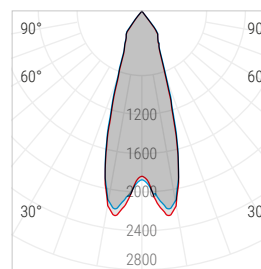


CRI 80

Transp. **82635**

Cct	lm S - D	Optic
N 4000	9660 - 7692	40 Flood (36°)

Photometric curves of Aisix 20W (82633)



— C0/C180 — C90/C270
Optic 40 Flood

IP69K protection



IP69K is a classification that extends the classification system of protection against the access of solid and liquid bodies. IP69K was developed for the sectors where supplementary protection against high pressures and high temperatures is needed.

The typical applications that require this classification are relative to mobile environments or machinery such as those in the food industry, where the equipment is cleaned daily in an intensive way with high pressure water, steam and aggressive detergents. Aisix is also gas proof, resistant to ammonia and sulphuric vapours.







Ceiling light

mini tube

Materials

Polycarbonate with UV protection.

Neoprene cables.





mini tube range

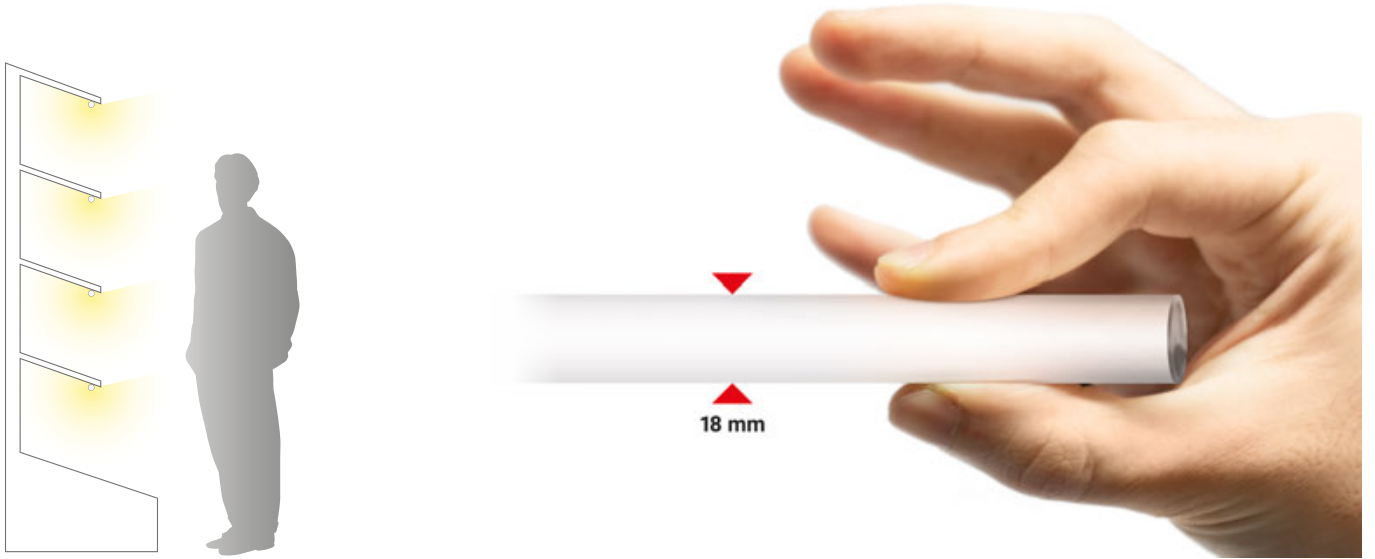


	5,2 W	8,5 W	10,5 W	13,5 W	15,5 W	18 W
Size	331 mm	621 mm	911 mm	1201 mm	1491 mm	1781 mm
Finish	Opaline	Opaline	Opaline	Opaline	Opaline	Opaline
Efficiency CRI 80	3000K 4000K 6500K 445nm	3000K 4000K 6500K 445nm	3000K 4000K 6500K 445nm	3000K 4000K 6500K 445nm	3000K 4000K 6500K 445nm	3000K 4000K 6500K 445nm
Optics	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused
Control	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off

Minimum dimensions

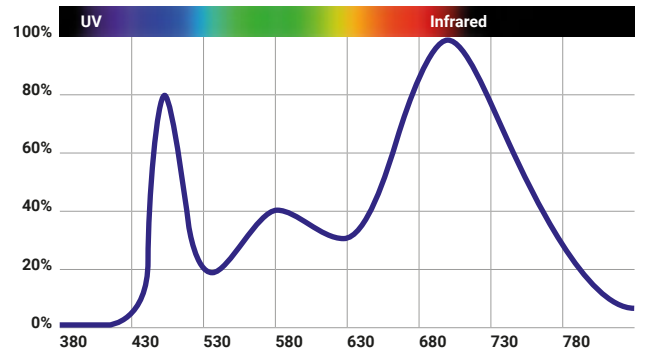
LED tube with minimum dimensions, with a profile just 18 mm in diameter. The reduced dimensions allow easy and functional installations. Applied on the edges, corners or niches of shelving, Mini Tube is perfectly integrated into the setting. The IP65 grade of protection allows sheltered outdoor installation.

IK08 IP65



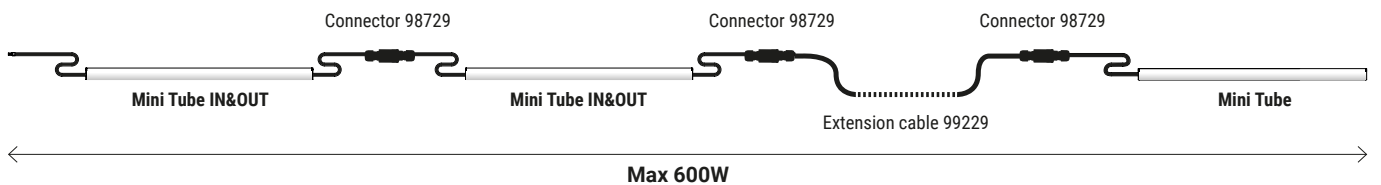
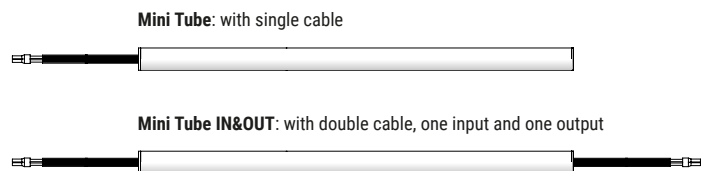
Mini Tube for Meat

Diodes with CCT "P" use a specific light spectrum (445 nm), optimised to enhance the colour of meat.

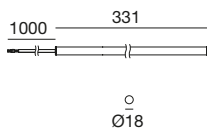
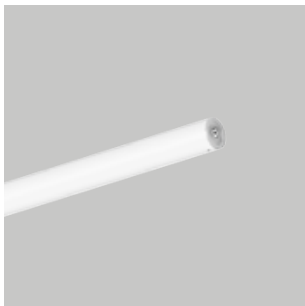


Multiple connection

Fixture available in two variations: version **Mini Tube** with single input cable for installation of a single article or as end-of-line, version **Mini Tube IN&OUT** with double cable input and output cable to be able to create continuous lines of light with the use of specific accessories (Max 600W).



Mini Tube | Ceiling | topLED | 198-264 V AC | 4,5 W DC - 5,2 W AC



CRI 80

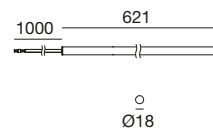
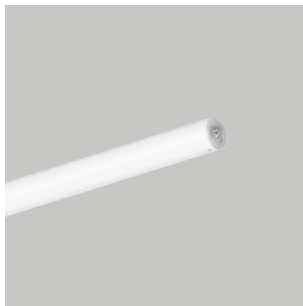
Opaline **92392**

	Cct	lm S - D	Optic
W	3000	586 - On req	00 Diffused -
N	4000	612 - On req	
C	6500	646 - On req	
P	445*	320 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube | Ceiling | topLED | 198-264 V AC | 7,5 W DC - 8,5 W AC



CRI 80

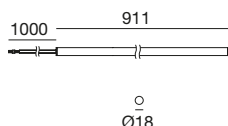
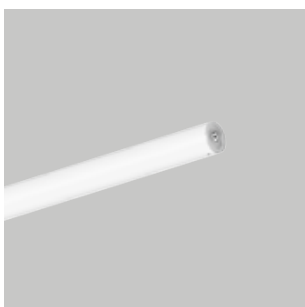
Opaline **92393**

	Cct	lm S - D	Optic
W	3000	1172 - On req	00 Diffused -
N	4000	1224 - On req	
C	6500	1292 - On req	
P	445*	640 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube | Ceiling | topLED | 198-264 V AC | 9 W DC - 10,5 W AC



CRI 80

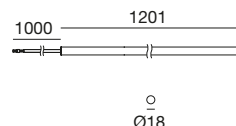
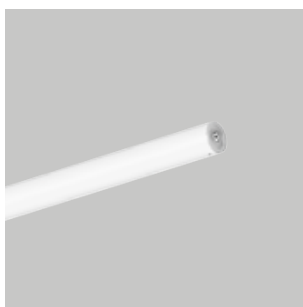
Opaline **92421**

	Cct	lm S - D	Optic
W	3000	1354 - On req	00 Diffused -
N	4000	1414 - On req	
C	6500	1492 - On req	
P	445*	740 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube | Ceiling | topLED | 198-264 V AC | 12 W DC - 13,5 W AC



CRI 80

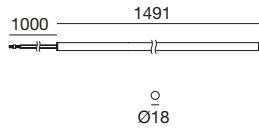
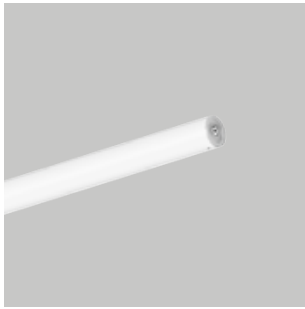
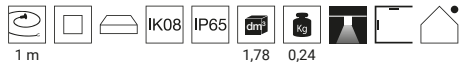
Opaline **92422**

	Cct	lm S - D	Optic
W	3000	2039 - On req	00 Diffused -
N	4000	2129 - On req	
C	6500	2248 - On req	
P	445*	1136 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube | Ceiling | topLED | 198-264 V AC | 14 W DC - 15,5 W AC



CRI 80

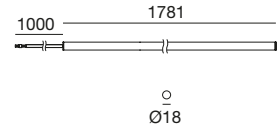
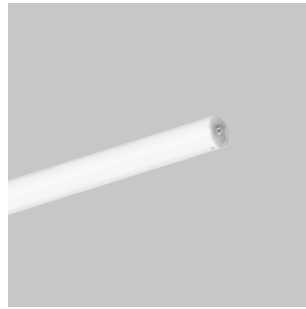
Opaline **92423**

	Cct	lm S - D	Optic
W	3000	2461 - On req	00 Diffused -
N	4000	2570 - On req	
C	6500	2713 - On req	
P	445*	1344 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube | Ceiling | topLED | 198-264 V AC | 16,5 W DC - 18 W AC



CRI 80

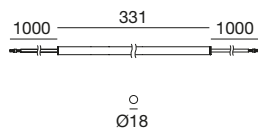
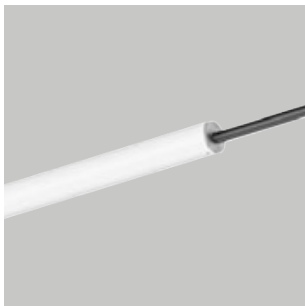
Opaline **92424**

	Cct	lm S - D	Optic
W	3000	2883 - On req	00 Diffused -
N	4000	3012 - On req	
C	6500	3178 - On req	
P	445*	1575 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 4,5 W DC - 5,2 W AC



CRI 80

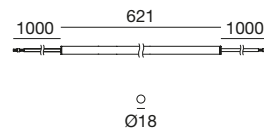
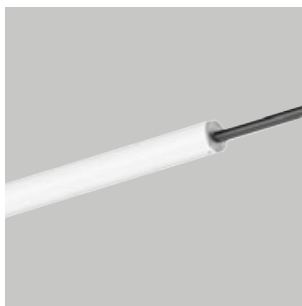
Opaline **92384**

	Cct	lm S - D	Optic
W	3000	586 - On req	00 Diffused -
N	4000	612 - On req	
C	6500	646 - On req	
P	445*	320 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

Accessories Pag. 97

Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 7,5 W DC - 8,5 W AC



CRI 80

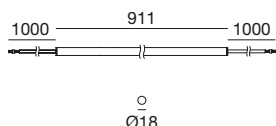
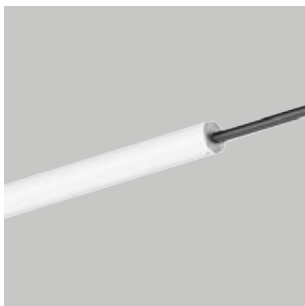
Opaline **92385**

	Cct	lm S - D	Optic
W	3000	1172 - On req	00 Diffused -
N	4000	1224 - On req	
C	6500	1292 - On req	
P	445*	640 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

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Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 9 W DC - 10,5 W AC



CRI 80

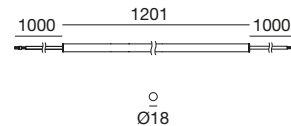
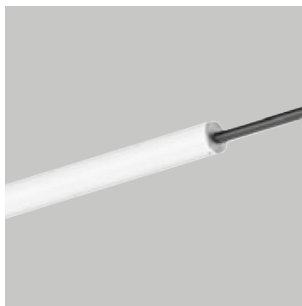
Opaline **92386**

	Cct	lm S - D	Optic
W	3000	1354 - On req	00 Diffused -
N	4000	1414 - On req	
C	6500	1492 - On req	
P	445*	740 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

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Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 12 W DC - 13,5 W AC



CRI 80

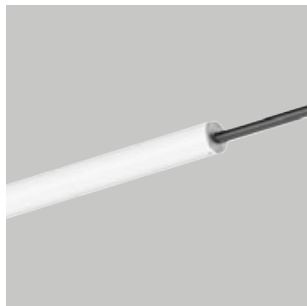
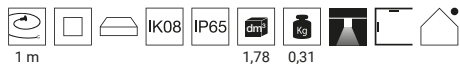
Opaline **92387**

	Cct	lm S - D	Optic
W	3000	2039 - On req	00 Diffused -
N	4000	2129 - On req	
C	6500	2248 - On req	
P	445*	1136 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

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Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 14 W DC - 15,5 W AC



CRI 80

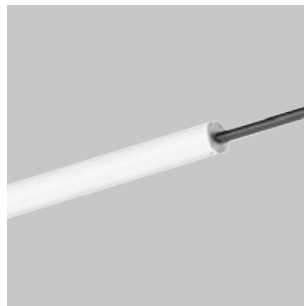
Opaline **92390**

	Cct	lm S - D	Optic
W	3000	2461 - On req	00 Diffused -
N	4000	2570 - On req	
C	6500	2713 - On req	
P	445*	1344 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

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Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 16,5 W DC - 18 W AC



CRI 80

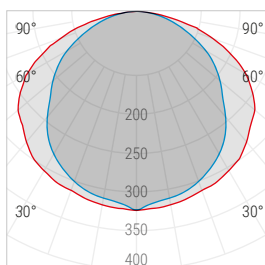
Opaline **92391**

	Cct	lm S - D	Optic
W	3000	2883 - On req	00 Diffused -
N	4000	3012 - On req	
C	6500	3178 - On req	
P	445*	1575 - On req	

*With colored LED the "Cct" value is not expressed in degrees Kelvin (° K) but in nanometers (nm).

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Photometric curves of Mini Tube 5,2W (92392 - 92384)



— C0/C180 — C90/C270

Optic **00** Diffused

Accessories



2x

included

description

Polycarbonate clip springs kit.



99229

description

Extension cables in neoprene (per meter) 2x1mm². Example: 99229 x 3 pz = 3m



2x

98710

description

Steel clip springs kit.



98729

description

Quick connector ON-OFF IP68 socket/plug (2 poles).







maxi tube

Materials

Polycarbonate with UV protection

Neoprene cables



maxi tube range



	14,5 W	22 W	40,5 W
Size	596 mm	1176 mm	1476 mm
Finish	Opaline Embossed	Opaline Embossed	Opaline Embossed
Efficiency CRI 80	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm
Efficiency CRI 92	3000K 4000K	3000K 4000K	3000K 4000K
Optics	Flood Wide Flood E.W. Flood	Flood Wide Flood E.W. Flood	Flood Wide Flood E.W. Flood
Control	On/Off - DALI	On/Off - DALI	On/Off - DALI (22W)

Technical details

Opal or embossed polycarbonate tube with waterproof closing system using side plugs in transparent polycarbonate. The diameter of the tube is 33 mm.



The right light at any time, in any season

Professional illumination for outdoor cultivation, available upon request. Information on page XIV



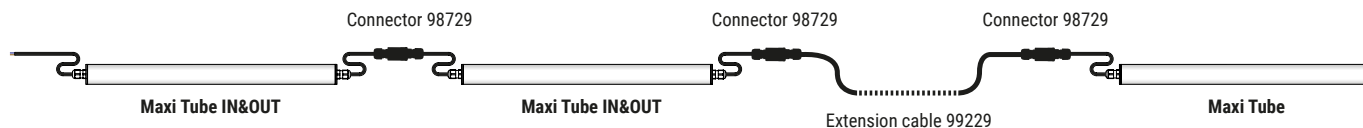
Multiple connection

Fixture available in two variations: version **Maxi Tube** with single input cable for installation of a single article or as end-of-line, version **Maxi Tube IN&OUT** with double cable input and output cable to be able to create continuous lines of light with the use of specific accessories (On-Off / DALI max 600W).

Maxi Tube: with single cable

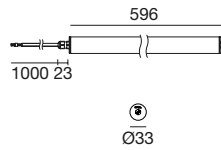
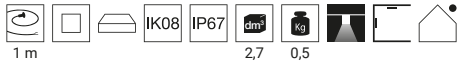


Maxi Tube IN&OUT: with double cable, one input and one output



← On-Off / DALI max 600W →

Maxi Tube | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	92242	84358
Embossed	92438	84356

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

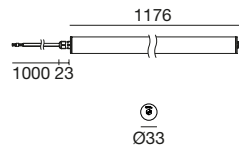
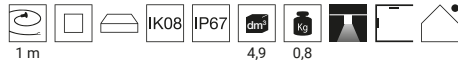
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Opaline	92245	84359
Embossed	92442	84357

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

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Maxi Tube | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	92243	84362
Embossed	92439	84360

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

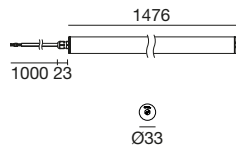
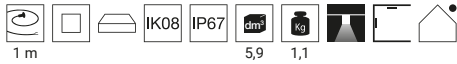
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Opaline	92246	84363
Embossed	92443	84361

	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

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Maxi Tube | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Opaline	92244	84366
Embossed	92440	84364

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).

With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Opaline	92247	84367
Embossed	92444	84365

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

Accessories Pag. 109

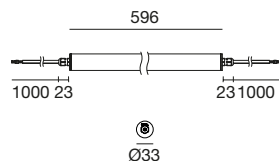
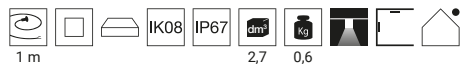


Maxi Tube / Maxi Tube IN&OUT with coloured diode (B, R, and G)





Maxi Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	92248	84370
Embossed	92445	84368

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

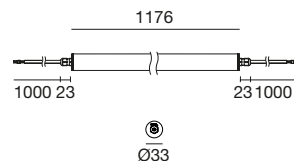
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Opaline	92353	84371
Embossed	92448	84369

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

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Maxi Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	92249	84374
Embossed	92446	84372

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

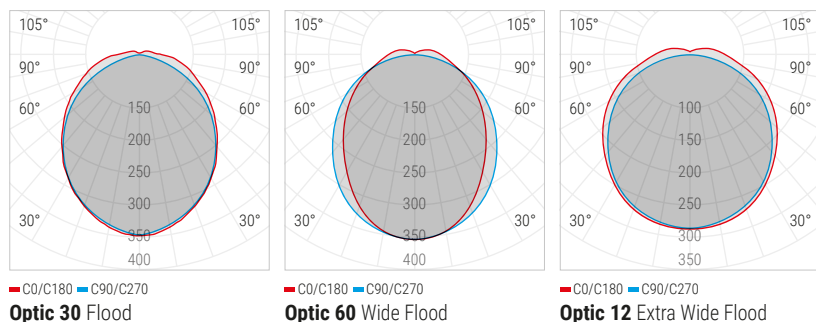
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Opaline	92356	84375
Embossed	92449	84373

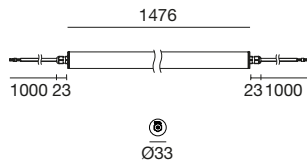
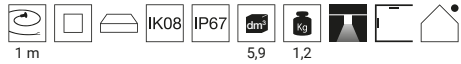
	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 109

Photometric curves of Maxi Tube 14,5W (92242 - 92248)



Maxi Tube IN&OUT | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC **
Opaline	92352	84378
Embossed	92447	84376

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).

With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Opaline	92357	84379
Embossed	92450	84377

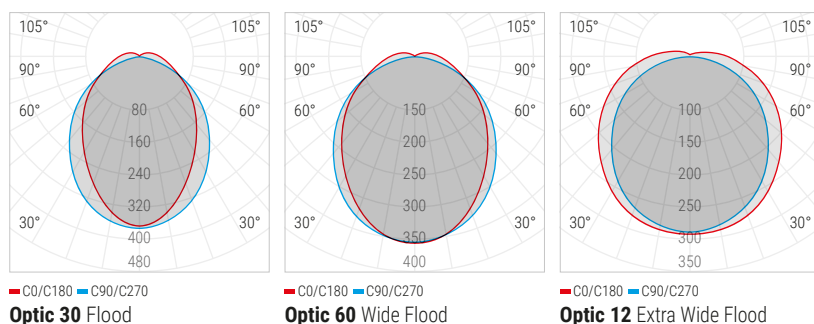
	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

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Accessories

	description
1x	99226 Fastening kit with steel clips. Two fastening kits are required for installation
1x	99227 Fastening kit with steel clips and connector. Two fastening kits are required for installation
1x	98695 Fastening kit with safety clasp. Two fastening kits are required for installation
	99229 Extension cables in neoprene ON-OFF (per meter) 2x1mm ² . Example: 99229 x 3 pz = 3m
	83205 Extension cables in neoprene DALI (per meter) 4x1,5mm ² . Example: 83205 x 3 pz = 3m
	98729 Quick connector ON-OFF IP68 socket/plug (2 poles).
	99768 Quick connector DALI IP68 socket/plug (5 poles).

Photometric curves of Maxi Tube 14,5W (92438 - 92445)







high protection

Materials

Body in polycarbonate with UV protection

Plugs in anodised 6026 aluminium

Neoprene cables





high protection range



	High Protection 14,5 W	High Protection 22 W	High Protection 40,5 W	High Protection Wired 14,5 W	High Protection Wired 22 W	High Protection Wired 40,5 W
Size	666 mm	1276 mm	1576 mm	694 mm	1303 mm	1605 mm
Finish	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed
Efficiency CRI 80	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm
Efficiency CRI 92	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K
Optics	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused
Control	On/Off - DALI	On/Off - DALI	On/Off - DALI (22W)	On/Off - DALI	On/Off - DALI	On/Off - DALI (22W)

Construction details



Polycarbonate tube in the two different varieties, embossed and opal, with waterproof closing system using rotating side plugs in 6026 anodised aluminium. Special TCS® valve as protective air vent to prevent the formation of condensation inside the tube, thereby ensuring long life for the lamp. Quick connector system with a range of accessory cables to create continuous lines directly connected to the electrical mains, thanks to the driver included in each bar. LED tube featuring light source made up of latest generation high density SMD Top LEDs mounted on PCB. In the case of embossed internal diffuser with the use of optics in the Flood, Wide Flood, Extra Wide Flood, perfect cleaning of the cone of light is ensured thanks to the special embossing. In the version with opal internal diffuser, the difference between the two Flood and Diffused optics is substantially aesthetic, connected to the size of the light emission area from the tube. Item also available with CRI92 high chromatic yield SMD Top LEDs.



Cable exit positions

The orthogonal cable exit from the High Protection tube allows the space between two continuous tubes to be minimised, thereby optimising the continuous line of light effect. The High Protection wired version has a linear cable exit position along the axis of the tube, through the closing plug.

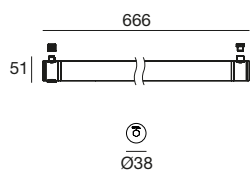
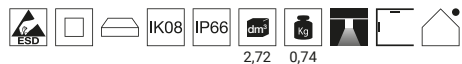


Ceiling light

High Protection / High Protection Wired with coloured diode (B, R, and G)



High Protection | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95257	84400

	Cct	lm S - D	Optic
W	3000	1688 - 1248	30 Flood -
N	4000	1793 - 1326	00 Diffused -
C	6500	1864 - 1378	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95254	84401

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

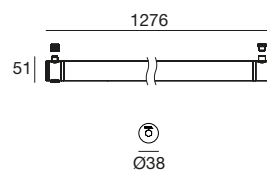
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94679	84402

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

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High Protection | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95258	84403

	Cct	lm S - D	Optic
W	3000	2780 - 2374	30 Flood -
N	4000	2923 - 2496	00 Diffused -
C	6500	3032 - 2589	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95255	84404

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

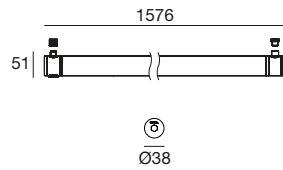
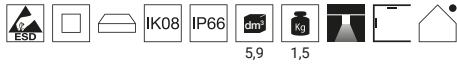
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94680	84405

	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 122 - 123

High Protection | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC **
Opaline	95259	84406

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4002	3050 - On req	30 Flood -
N	4000	5011 - 4208	3160 - On req	00 Diffused -
C	6500	5198 - 4365	3160 - On req	
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Embossed	95256	84407

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Embossed	94681	84408

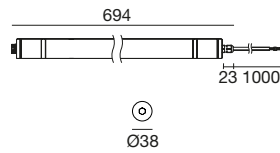
	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

Accessories Pag. 122 - 123





High Protection Wired | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95281	84409

	Cct	lm S - D	Optic
W	3000	1688 - 1248	30 Flood -
N	4000	1793 - 1326	00 Diffused -
C	6500	1864 - 1378	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95275	84410

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

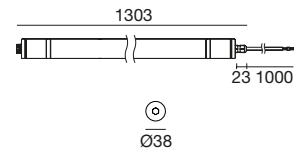
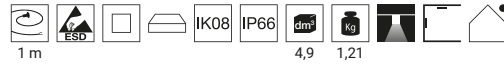
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	95465	84411

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 122 - 123

High Protection Wired | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95282	84412

	Cct	lm S - D	Optic
W	3000	2780 - 2374	30 Flood -
N	4000	2923 - 2496	00 Diffused -
C	6500	3032 - 2589	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95276	84413

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

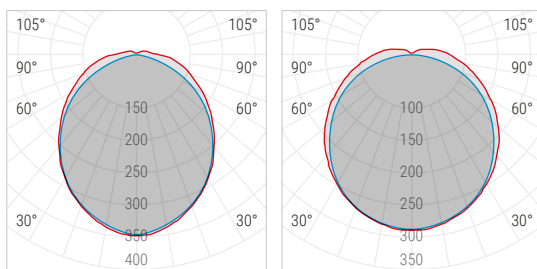
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	95466	84414

	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 122 - 123

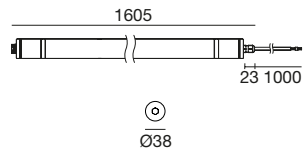
Photometric curves of High Protection 14,5W (95257 - 95281)



— C0/C180 — C90/C270
Optic 30 Flood

— C0/C180 — C90/C270
Optic 00 Diffused

High Protection Wired | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Opaline	95283	84415

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4002	3050 - On req	30 Flood -
N	4000	5011 - 4208	3160 - On req	00 Diffused -
C	6500	5198 - 4365	3160 - On req	
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Embossed	95277	84416

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

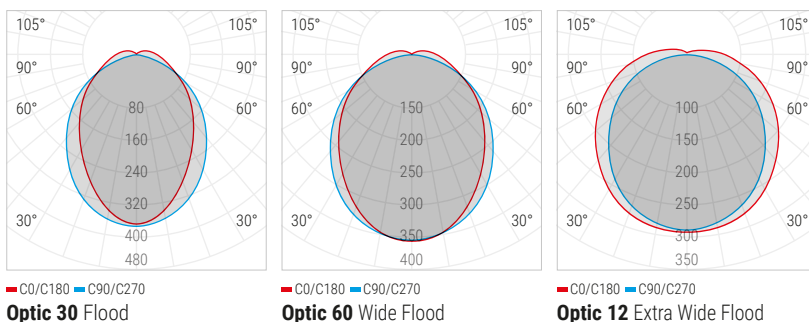
****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Embossed	95467	84417

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

Accessories Pag. 122 - 123

Photometric curves of High Protection 14,5W (95254 - 95275)



installation accessories

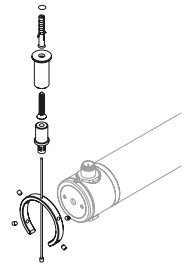


99219

description

Suspension fixing system with anodised aluminium ring, tightening safety screws, 1200 mm long steel cable, adjustment system for the cable and fixing with screws and anchors. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired

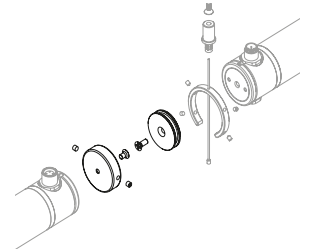


99221

description

Male/female fittings in anodised aluminium to join articles, fixing screws and tightening safety screws. To be used only with the suspension fixing kit (code 99219 - indicated above).

suitable for: High Protection

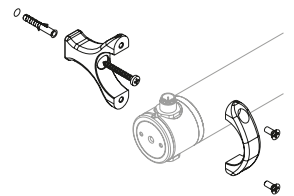


99222

description

Surface installation system with screw locking and fixing using self-tapping screw and anchor. Made in transparent polycarbonate. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired

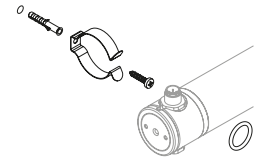


99220

description

Clip fixing spring in nickel plated steel, self-tapping screw, anchor and o-ring for safety closing. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired

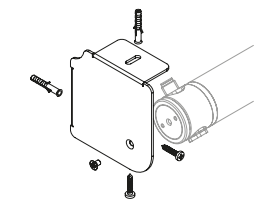


99238

description

Clip fixing spring in transparent polycarbonate, self-tapping screw, anchor and o-ring for safety closing. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired



99224

description

Corner installation system with pair of side brackets with screw locking and fixing using self-tapping screws and anchors.

suitable for: High Protection

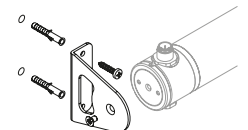


99223

description

Installation system with pair of side brackets with screw locking and fixing using self-tapping screws and anchors.

suitable for: High Protection



99225

description

IP66 ON-OFF connection box for wall installation, contains cable gland for multiple cables, self-tapping screws, anchors, washers and o-rings

83229

IP66 DALI connection box for wall installation, contains cable gland for multiple cables, self-tapping screws, anchors, washers and o-rings

suitable for: High Protection / High Protection Wired

Mobilfer
SISTEMI PER IL MAGAZZINO

RIFERIMENTO N. **1220112** ANNO **2012**

PORTATA MAX. RIPIANI : Kg **650**
A CARICO UNIFORMEMENTE DISTRIBUITO

PORTATA MAX. FIANCATE : Kg **5400**

PORTATA MAX. PAVIMENTAZIONE : Kg/mq
A CARICO UNIFORMEMENTE DISTRIBUITO

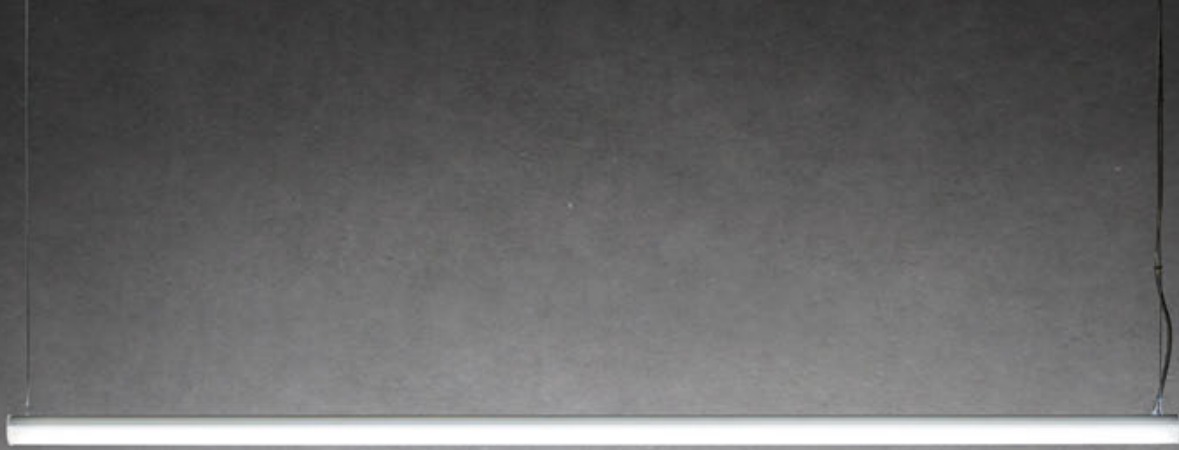




high wired

Materials

Body in 6060 aluminium.
Diffuser in polycarbonate.



Ceiling light

high wired range



High Wired_P
Opaline

High Wired IP44
Embossed

	High Wired High Wired IP44 14,5 W	High Wired High Wired IP44 22 W	High Wired High Wired IP44 40,5 W	High Wired_P 14,5 W	High Wired_P 22 W	High Wired_P 40,5 W
Size	585 mm	1195 mm	1495 mm	572 mm	1182 mm	1482 mm
Finish	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed	Opaline Embossed
Efficiency CRI 80	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm	3000K 4000K 6500K 456nm 528nm 621nm
Efficiency CRI 92	3000K 4000K	3000K 4000K	3000K 4000K	-	-	-
Optics	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	Flood Wide Flood E.W. Flood Diffused	E.W. Flood Diffused	E.W. Flood Diffused	E.W. Flood Diffused
Control	On/Off - DALI	On/Off - DALI	On/Off - DALI (22W)	On/Off - DALI	On/Off	On/Off

Construction details

Profile in 6060 anodised aluminium with cover in embossed or opal polycarbonate. In the version with IP44 protection grade, the insulating cable gland is built in, absent in the IP40 version.



Surface installation

High Wired can be surface installed on the desired surface or on busbar, using specific fixing accessories.



Surface installation on busbar



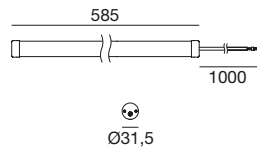
Surface installation

Suspension

The Hight Wired_P version comes with cables and painted metal base with terminal block for connection to the electrical mains. Hanging installation is foreseen using steel cables with a height adjustment system. The maximum cable length is 2.5 m.



High Wired | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95242	84380

	Cct	lm S - D	Optic
W	3000	1688 - 1248	30 Flood -
N	4000	1793 - 1326	00 Diffused -
C	6500	1864 - 1378	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95236	84381

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

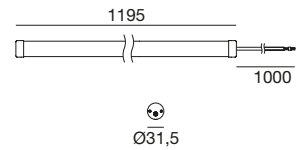
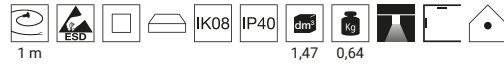
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94908	84382

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 133

High Wired | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95243	84383

	Cct	lm S - D	Optic
W	3000	2780 - 2374	30 Flood -
N	4000	2923 - 2496	00 Diffused -
C	6500	3032 - 2589	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95237	84384

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

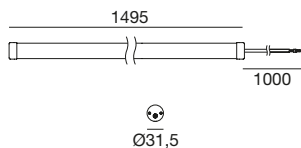
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94909	84385

	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 133

High Wired | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Opaline	95244	84386

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4002	3050 - On req	30 Flood -
N	4000	5011 - 4208	3160 - On req	00 Diffused -
C	6500	5198 - 4365	3160 - On req	
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Embossed	95238	84387

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Embossed	94910	84388

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

Accessories Pag. 133

High Wired / High Wired IP44 / High Wired_P
 with coloured diode (B, R, and G)

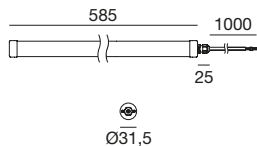


Red (R)

Green (G)

Blue (B)

High Wired IP44 | Ceiling | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95245	84391

	Cct	lm S - D	Optic
W	3000	1688 - 1248	30 Flood -
N	4000	1793 - 1326	00 Diffused -
C	6500	1864 - 1378	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95239	84392

	Cct	lm S - D	Optic
W	3000	1688 - 1301	30 Flood -
N	4000	1793 - 1382	60 W.Flood -
C	6500	1864 - 1437	12 E.W.Flood -
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

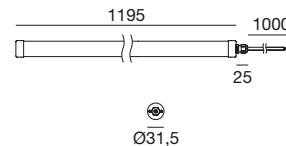
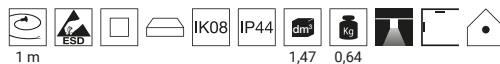
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94911	84393

	Cct	lm S - D	Optic
W	3000	1440 - 1110	30 Flood -
N	4000	1501 - 1157	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 133

High Wired IP44 | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95246	84394

	Cct	lm S - D	Optic
W	3000	2780 - 2374	30 Flood -
N	4000	2923 - 2496	00 Diffused -
C	6500	3032 - 2589	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

	CRI 80	CRI 80 - DALI**
Embossed	95240	84395

	Cct	lm S - D	Optic
W	3000	2780 - 2460	30 Flood -
N	4000	2923 - 2587	60 W.Flood -
C	6500	3032 - 2683	12 E.W.Flood -
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

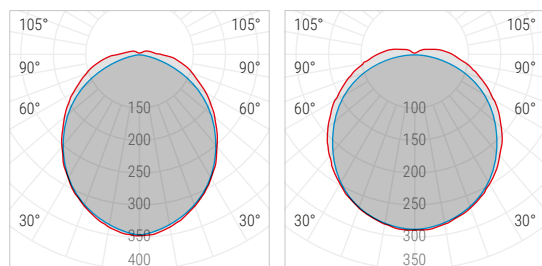
****(R) (G) (B) DALI** available on request

	CRI 92	CRI 92 - DALI
Embossed	94912	84396

	Cct	lm S - D	Optic
W	3000	2318 - 2051	30 Flood -
N	4000	2478 - 2193	60 W.Flood -
			12 E.W.Flood -

Accessories Pag. 133

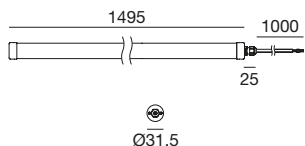
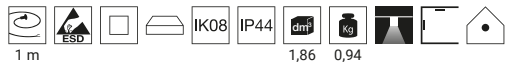
Photometric curves of High Wired IP44 14,5W (95245)



— C0/C180 — C90/C270
Optic 30 Flood

— C0/C180 — C90/C270
Optic 00 Diffused

High Wired IP44 | Ceiling | topLED | 198-264 V AC



	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Opaline	95247	84397

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4002	3050 - On req	30 Flood -
N	4000	5011 - 4208	3160 - On req	00 Diffused -
C	6500	5198 - 4365	3160 - On req	
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

	CRI 80 - 37 W DC - 40,5 W AC	CRI 80 DALI - 20 W DC - 22 W AC**
Embossed	95241	84398

	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	4766 - 4301	3050 - On req	30 Flood -
N	4000	5011 - 4522	3160 - On req	60 W.Flood -
C	6500	5198 - 4691	3160 - On req	12 E.W.Flood -
R	621*	1248 - On req	-	
G	528*	2985 - On req	-	
B	456*	596 - On req	-	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (*K) but in nanometres (nm).
With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.

****(R) (G) (B) DALI** available on request

	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Embossed	94913	84399

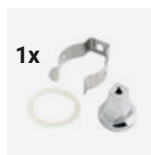
	Cct	lm S - D 37W	lm S - D 20W	Optic
W	3000	3974 - 3586	2479 - On req	30 Flood -
N	4000	4248 - 3833	2699 - On req	60 W.Flood -
				12 E.W.Flood -

Accessories Pag. 133

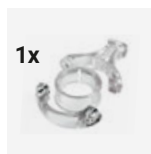
Accessories



	description
1x	99226 Fastening kit with steel clips. Two fastening kits are required for installation



	description
1x	99227 Fastening kit with steel clips and connector. Two fastening kits are required for installation



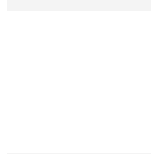
	description
1x	99228 Fastening kit with safety clasp. Two fastening kits are required for installation



	description
	99225 IP66 connection box.



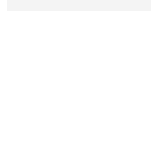
	description
	99229 Extension cables in neoprene ON-OFF (per meter) 2x1mm ² . Example: 99229 x 3 pz = 3m



	description
	83213 Extension cables in neoprene DALI (per meter) 4x1mm ² . Example: 83213 x 3 pz = 3m

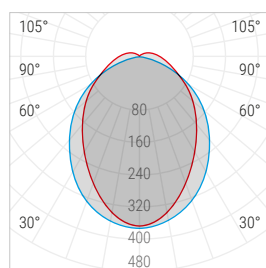


	description
	98729 Quick connector ON-OFF IP68 socket/plug (2 poles).

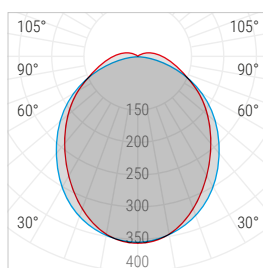


	description
	99768 Quick connector DALI IP68 socket/plug (5 poles).

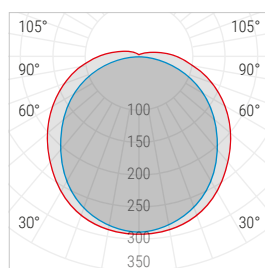
Photometric curves of High Wired IP44 14,5W (95239)



— C0/C180 — C90/C270
Optic 30 Flood



— C0/C180 — C90/C270
Optic 60 Wide Flood

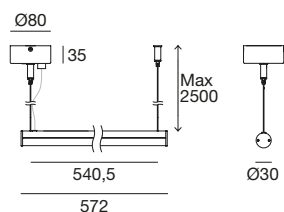


— C0/C180 — C90/C270
Optic 12 Extra Wide Flood





High Wired_P | Pendant | topLED | 198-264 V AC | 13 W DC - 14,5 W AC



CRI 80

Embossed **97812**

	Cct	lm S - D	Optic
W	3000	1688 - On req	12 E.W.Flood -
N	4000	1793 - On req	
C	6500	1864 - On req	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

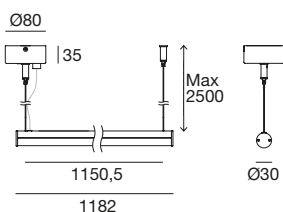
CRI 80

Opaline **97808**

	Cct	lm S - D	Optic
W	3000	1688 - On req	00 Diffused -
N	4000	1793 - On req	
C	6500	1864 - On req	
R	621*	416 - On req	
G	528*	995 - On req	
B	456*	198 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 9,2 W DC - 10,2 W AC.

High Wired_P | Pendant | topLED | 198-264 V AC | 20 W DC - 22 W AC



CRI 80

Embossed **97813**

	Cct	lm S - D	Optic
W	3000	2780 - On req	12 E.W.Flood -
N	4000	2923 - On req	
C	6500	3032 - On req	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

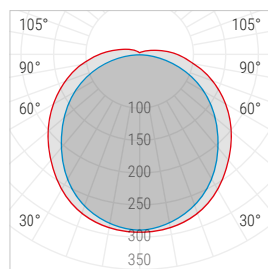
CRI 80

Opaline **97809**

	Cct	lm S - D	Optic
W	3000	2780 - On req	00 Diffused -
N	4000	2923 - On req	
C	6500	3032 - On req	
R	621*	825 - On req	
G	528*	2000 - On req	
B	456*	401 - On req	

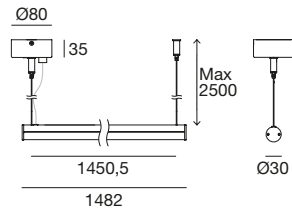
*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 15,4 W DC - 17 W AC.

Photometric curves of High Wired_P 14,5W (97812)



— C0/C180 — C90/C270
Optic 12 Extra Wide Flood

High Wired_P | Pendant | topLED | 198-264 V AC | 37 W DC - 40,5 W AC



CRI 80

Embossed **97814**

	Cct	lm S - D	Optic
W	3000	4766 - On req	12 E.W.Flood -
N	4000	5011 - On req	
C	6500	5198 - On req	
R	621*	1248 - On req	
G	528*	2985 - On req	
B	456*	596 - On req	

CRI 80

Opaline **97810**

	Cct	lm S - D	Optic
W	3000	4766 - On req	00 Diffused -
N	4000	5011 - On req	
C	6500	5198 - On req	
R	621*	1248 - On req	
G	528*	2985 - On req	
B	456*	596 - On req	

*With coloured diode (B, R and G), the "CCT" is not expressed in degrees Kelvin (°K) but in nanometres (nm).
With the red diode (R), the article has a power of 24,3 W DC - 26,2 W AC.





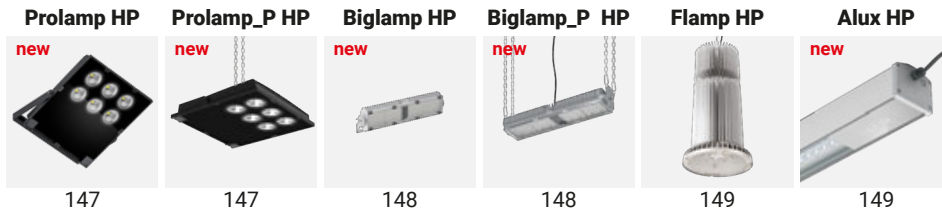




Extreme environments

Extreme environments lighting range index

Heat Proof line



Atex line





Heat Proof line

Appliances designed for resistance to use in critical industrial environments, where there may be an abundant presence of nebulized oils in the atmosphere and the temperature can reach over 70°C.



**HIGH
TEMPERATURES**

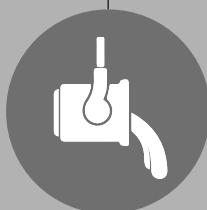


NEBULIZED OIL

Places of use



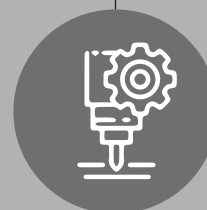
Foundries



Steel factories



Steelworks

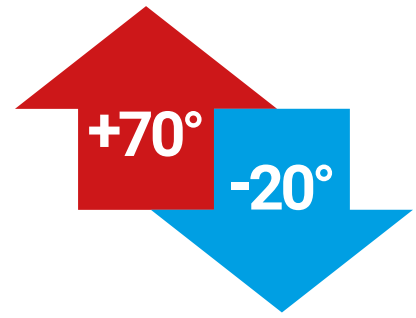


Machine turning
shops



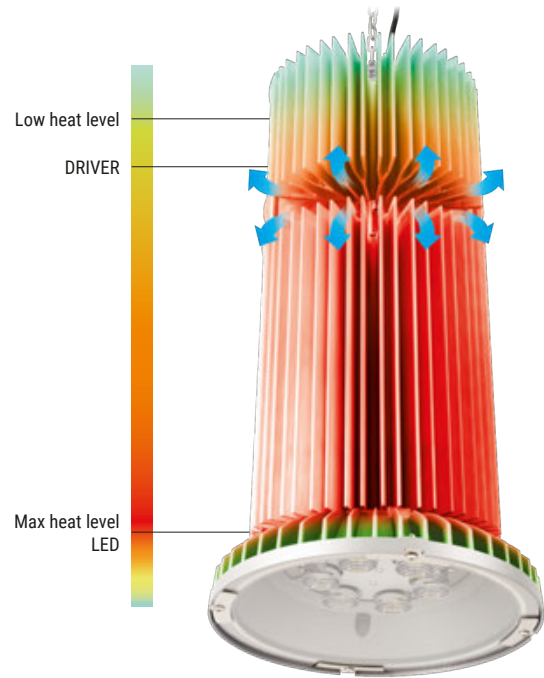
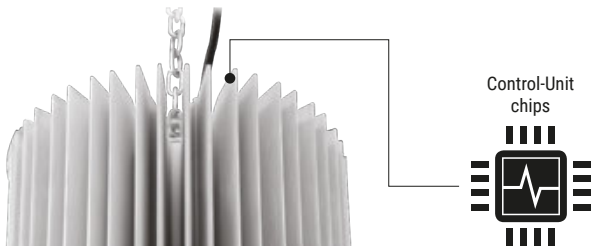
Harsh environments

In industrial locations with the presence of large machinery, furnaces, lathes or casting machinery, a lot of heat is usually generated. In these environments, the air can be harsh due to the presence of sprayed oils, fumes or scrap particles. HP "Heat Proof" versions are ideal for this type of environment that can be found in foundries, steel plants, turning shops or steelworks where temperature levels are rather high, even up to 70°C.

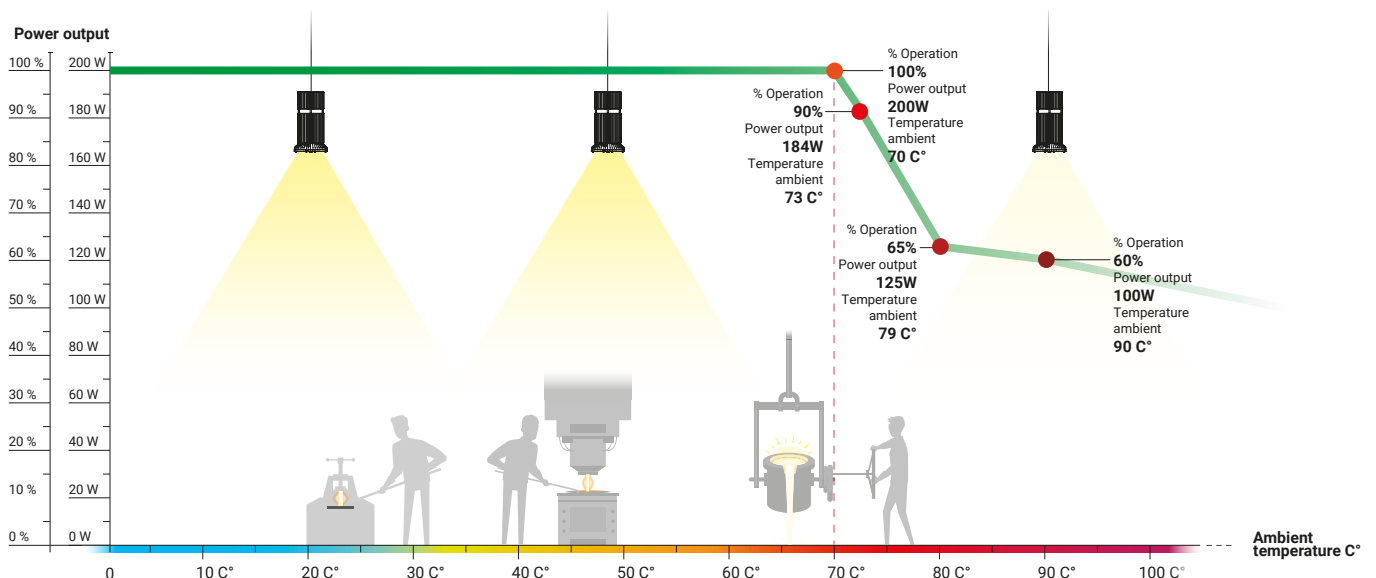


Heat dissipation

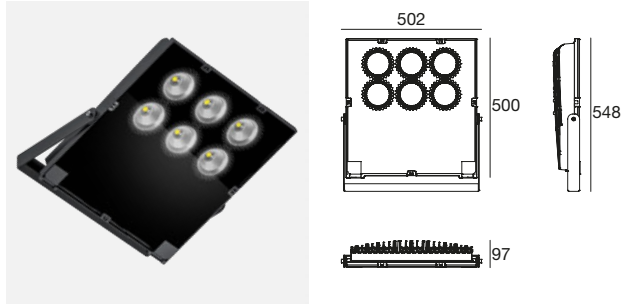
The excellent heat dissipation provided by the shape of the dissipating body ensures efficiency and long life for the projector. The driver compartment is spaced interspersed by an empty space with respect to the main heat sink where the diodes are housed. This space allows greater ventilation that increases the dissipating capacity, keeping the driver at adequate operating temperature.



Operation of the fixture in relation to the temperature of the surrounding environment



Prolamp HP | Projector | arrayLED | 198-264 V AC | 230 W DC - 250 W AC



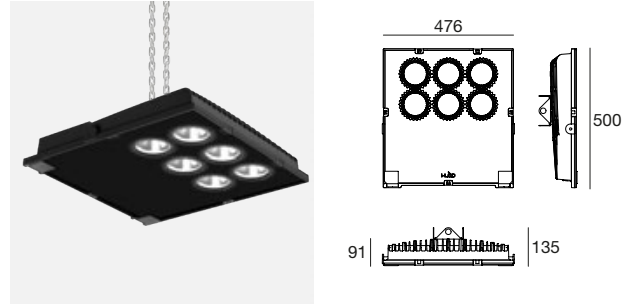
CRI 80

Black 76017

		100% (250W AC)	50% (130W AC)	
	Cct	lm S - D	lm S - D	Optic
W	3000	36567 - 28500	22600 - 17670	30 Flood (28°)
N	4000	38601 - 30095	23845 - 18659	60 W.Flood (58°)
C	5000	39044 - 31017	24139 - 18263	90 E.W.Flood (88°)
				12 E.W.Flood -
				07 Asymm. -

Accessories Pag. 147

Prolamp_P HP | Pendant | arrayLED | 198-264 V AC | 230 W DC - 250 W AC



CRI 80

Black 76014

		100% (250W AC)	50% (130W AC)	
	Cct	lm S - D	lm S - D	Optic
W	3000	36567 - On req	22600 - On req	30 Flood (28°)
N	4000	38601 - On req	23845 - On req	60 W.Flood (58°)
C	5000	39044 - On req	24139 - On req	90 E.W.Flood (88°)
				12 E.W.Flood -
				07 Asymm. -

Accessories Pag. 147



Prolamp optic 30 - 60 - 90



Prolamp optic 07



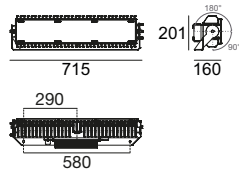
Prolamp optic 12

Accessories



	suitable for:	description
99393	Prolamp HP 250W Prolamp_P HP 250W	Protective cage in steel wire, ideal for increasing the impact resistance of the fixture.

Biglamp HP | Projector | powerLED | 198-264 V AC | 230 W DC - 250 W AC

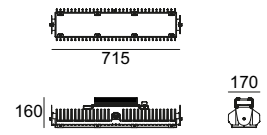
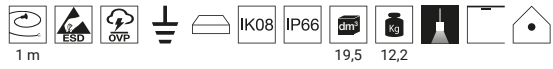


CRI 80

Allum. **70618**

Cct	100% (250W AC)	50% (130W AC)	Optic
	lm S - D	lm S - D	
W 3000	35275 - On req	22173 - On req	15 Spot (25°)
N 4000	38042 - On req	23912 - On req	30 Flood (38°)
C 5700	38042 - On req	23912 - On req	60 W.Flood (62°)
			07 Asymm. -

Biglamp_P HP | Pendant | powerLED | 198-264 V AC | 230 W DC - 250 W AC

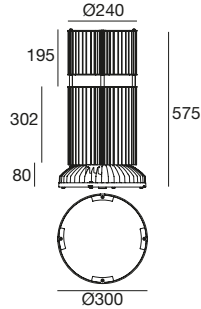


CRI 80

Allum. **70615**

Cct	100% (250W AC)	50% (130W AC)	Optic
	lm S - D	lm S - D	
W 3000	35275 - On req	22173 - On req	15 Spot (25°)
N 4000	38042 - On req	23912 - On req	30 Flood (38°)
C 5700	38042 - On req	23912 - On req	60 W.Flood (62°)
			07 Asymm. -

Flamp HP | Pendant | arrayLED | 198-264 V AC | 180 W DC - 200 W AC



CRI 80

Alum Zr **92793**

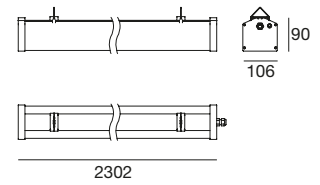
	Cct	100% (200W AC) lm S - D	50% (100W AC) lm S - D	Optic
W	3000	27589 - On req	14974 - On req	45 W.Flood* -
N	4000	29661 - On req	16098 - On req	60 W.Flood* (69°)
C	5000	31733 - On req	17223 - On req	90 E.W.Flood (94°)
				11 E.W.Flood (113°)
				88 Oval (57°x89°)



Metallic cage available on request to protect against impact.

Extreme environments

Alux HP | Ceiling | topLED | 198-264 V AC | 135 W DC - 150 W AC



CRI 80

Alu Glass **76016**

	Cct	100% (150W AC) lm S - D	50% (80W AC) lm S - D	Optic
W	3000	22845 - On req	12890 - On req	30 Flood (33°)
N	4000	24078 - On req	13554 - On req	60 W.Flood (50°)
C	5000	24018 - On req	13554 - On req	12 E.W.Flood (116°)
				00 Diffused -



Atex line



The ATEX explosion-proof watertight appliances, designed with latest-generation technological materials are suitable for lighting areas with atmospheres at risk of explosion. Available in various version, they are differentiated by shape, protection rating and impact resistance classification.



Places of use





atex range



	22 W	40 W	42 W	45 W	160 W	270 W
Atix	665 x 145 mm	1282 x 145 mm	-	1587 x 145 mm	-	-
Alitex	-	-	1340 x Ø 112 mm	-	-	-
Alitex_Pro	-	1358 x Ø 156 mm	-	-	-	-
Atox	-	-	-	-	Ø 390 x 140 mm	Ø 460 x 150 mm
Atox_Pro	-	-	-	-	Ø 390 x 134 mm	-
Finish	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Efficiency CRI 80	4000K	4000K	4000K	4000K	4000K	4000K
Optics	Wide Flood	Wide Flood (Atix) Extra Wide Flood (Alitex_Pro)	Wide Flood	Wide Flood	Extra Wide Flood	Extra Wide Flood
Control	On/Off	On/Off	On/Off DALI	On/Off	On/Off	On/Off

ATEX explosion proof

The Atex articles are designed with extremely high quality tested materials to guarantee adequate resistance and function. They are, therefore, perfectly suited for use in EX areas in accordance with directive ATEX 2014/34 / EU.



Atix

Body in compressed fibreglass reinforced with RAL 1003 yellow polyester. Transparent diffuser in ridged polycarbonate with UV protection. Stainless steel locking clip.

IK08 IP66



Version suitable for EX zone: 2,22

II 3 G Ex nA IIC T6 Gc
II 3 D Ex t IIIC T85 °C Dc

Alitex

Body cover in high impact resistance PMMA. End caps in PA66 polyamide and fibreglass (RAL 1003). Polyurethane gasket.

IK10 IP69K



Version suitable for EX zone: 2,21 - 2,22

II 3G Ex ec op is IIC T6 Gc
II 3D Ex tc op is IIIC T85 Dc
II 2D Ex tb op is IIIC T85 Db

Alitex_Pro

External cover in transparent polycarbonate. End caps in aluminium alloy with RAL 1003 yellow polyurethane finish. Nitrile rubber gasket (NBR).

IK10 IP66



Version suitable for EX zone: 1,21

II 2 G Ex db IIC T6 Gb
II 2 D Ex tb IIIC T85 Db

Atox

Body in RAL 1003 yellow aluminium alloy with surface protection. Stainless steel eyebolt. Tempered glass diffuser.

IK08 IP67



Version suitable for EX zone: 2,21 - 2,22

Ex II 3D Ex tc op is IIIC TX Dc
Ex II 3G Ex ec op is IIC TX Gc
Ex II 2D Ex tb op is IIIC TX Db

Atox Pro

Body in RAL 1003 yellow aluminium alloy with surface protection. Stainless steel eyebolt. Tempered glass diffuser.

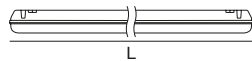
IK08 IP67



Version suitable for EX zone: 1,21

Ex II 2G Ex eb mb op is IIC T5 GB
Ex II 2D Ex tc op is IIIC T105 Db
Ex II 3G Ex ec op is IIC T5 Gb
Ex II 3D Ex tc op is IIIC T105 Dc

Atix | Ceiling | topLED | 220-240 V AC



665 mm - 18W DC - 22W AC - CRI 80

Yellow **93280**



Cct	lm S - D	Optic
N 4000	2500 - 2199	12 W.Flood (76°)

1287 mm - 36W DC - 40W AC - CRI 80

Yellow **93281**



Cct	lm S - D	Optic
N 4000	5500 - 4802	12 W.Flood (73°)

1587 mm - 40W DC - 45W AC - CRI 80

Yellow **93282**



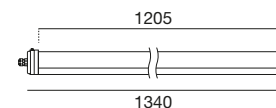
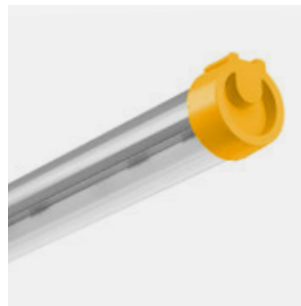
Cct	lm S - D	Optic
N 4000	6600 - 5800	12 W.Flood (69°)

Installation accessory



included	description
x2	Hanging fixing kit. (x2 pz)
	Suitable for: Atix

Alitex | Ceiling | topLED | 220-240 V AC | 38W DC - 42W AC



CRI 80

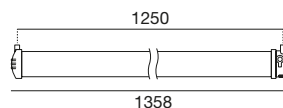
CRI 80 - DALI

Yellow **84389**

84390

Cct	lm S - D	Optic
N 4000	7130 - On req	60 W.Flood -

Alitex_Pro | Ceiling | topLED | 220-240 V AC | 36W DC - 40W AC



CRI 80

Yellow **82636**

Cct	lm S - D	Optic
N 4000	5460 - 4664	12 E.W.Flood (100°)

Installation accessory



description
83024 Hanging fixing kit.
Suitable for: Alitex_Pro



description
83025 Surface-mount fixing kit.
Suitable for: Alitex_Pro

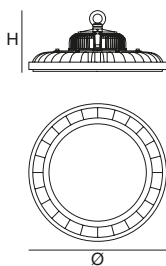


description
83026 Double cable quick connector.
Suitable for: Alitex_Pro



description
83210 Hanging fixing kit (for indoor installation).
Suitable for: Alitex

Atox | Pendant | topLED | 90-275 V AC



Ø 390 - H 140 - 150W DC - 160W AC - CRI 80

Yellow 84324



Cct	lm S - D	Optic
N 4000	26800 - On req	12 E.W.Flood -

Ø 460 - H 150 - 255W DC - 270W AC - CRI 80

Yellow 84351



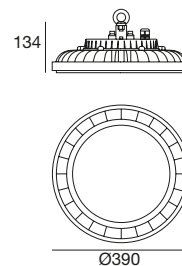
Cct	lm S - D	Optic
N 4000	45400 - On req	12 E.W.Flood -

Installation accessory



		description
83207	Ø 390	Bracket for wall mounting.
83208	Ø 460	
Suitable for: Atox		

Atox_Pro | Pendant | topLED | 90-305 V AC | 150W DC - 160W AC



CRI 80

Yellow 84355

Cct	lm S - D	Optic
N 4000	22900 - On req	12 E.W.Flood -

Installation accessory



	description
83209	Bracket for wall mounting.
Suitable for: Atox_Pro	

Connection accessory



	description
83206	122x120x90 mm ATEX junction box.

Examples of suspended installations

In addition to the ceiling version, the lights can also be suspended. Application using a double clip bracket (Atix, Alitex), double or single ring bracket for suspension attachment (Alitex_Pro, Atox / Atox_Pro); the cables or chains for the suspension are not included with the article.



Atix / Alitex



Alitex_Pro

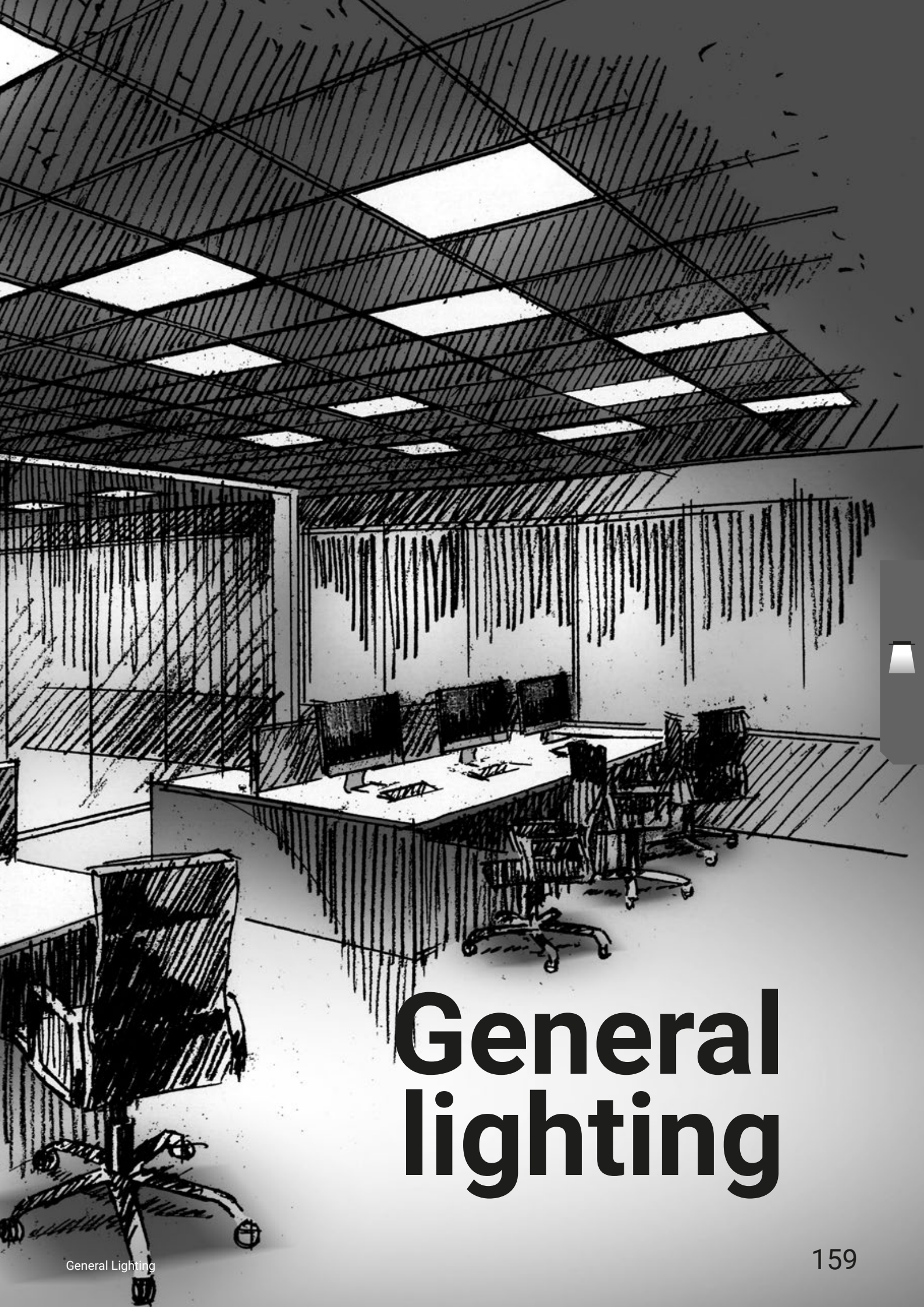


Atox / Atox_Pro





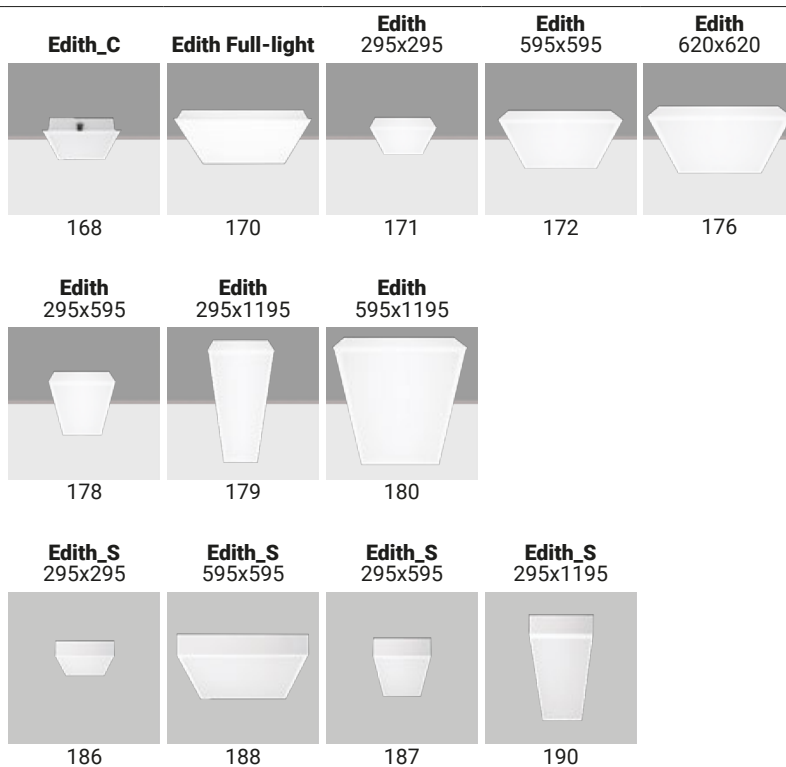




General lighting

general lighting range index

Edith



Indy







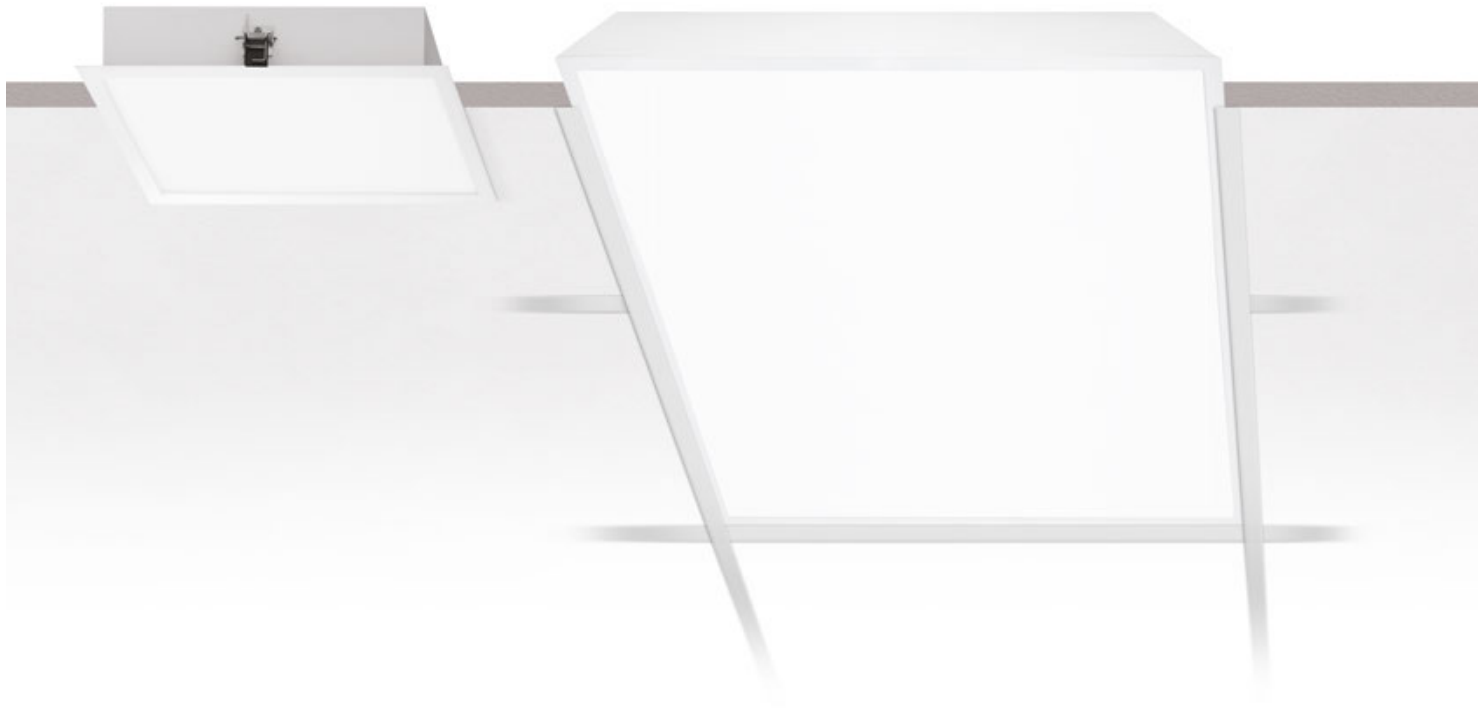
edith

Materials

Body in iron sheet metal painted RAL 9016.
Diffuser in PMMA.



edith range



Edith_C (recessed)

Edith



Dimension	308 x 308 mm	295 x 295 mm	595 x 595 mm	620 x 620 mm	595 x 295 mm	1195 x 295 mm	1195 x 595 mm
IP44	11 W 21 W	11 W 21 W	30 W 50 W 70 W 100 W	30 W 50 W 70 W 100 W	16 W 25 W	30 W 50 W 70 W 100 W	100 W 140 W
Comfort	11 W 21 W	11 W 21 W	30 W 50 W	30 W 50 W	16 W 25 W	30 W 50 W	-
Protection IP65	-	-	30 W 50 W 70 W 100 W	30 W 50 W 70 W 100 W	-	-	-
Finish	White	White	White	White	White	White	White
Efficiency CRI 80	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K
Efficiency CRI 92	3000K	3000K	3000K	3000K	3000K	3000K	3000K
Optic	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused	Diffused
Control	On/Off DALI Push	On/Off DALI Push	On/Off DALI DALI Push 0/1-10 V	On/Off DALI DALI Push 0/1-10 V	On/Off DALI Push	On/Off DALI DALI Push 0/1-10 V	On/Off DALI



Edith full-light

Edith_S (surface)

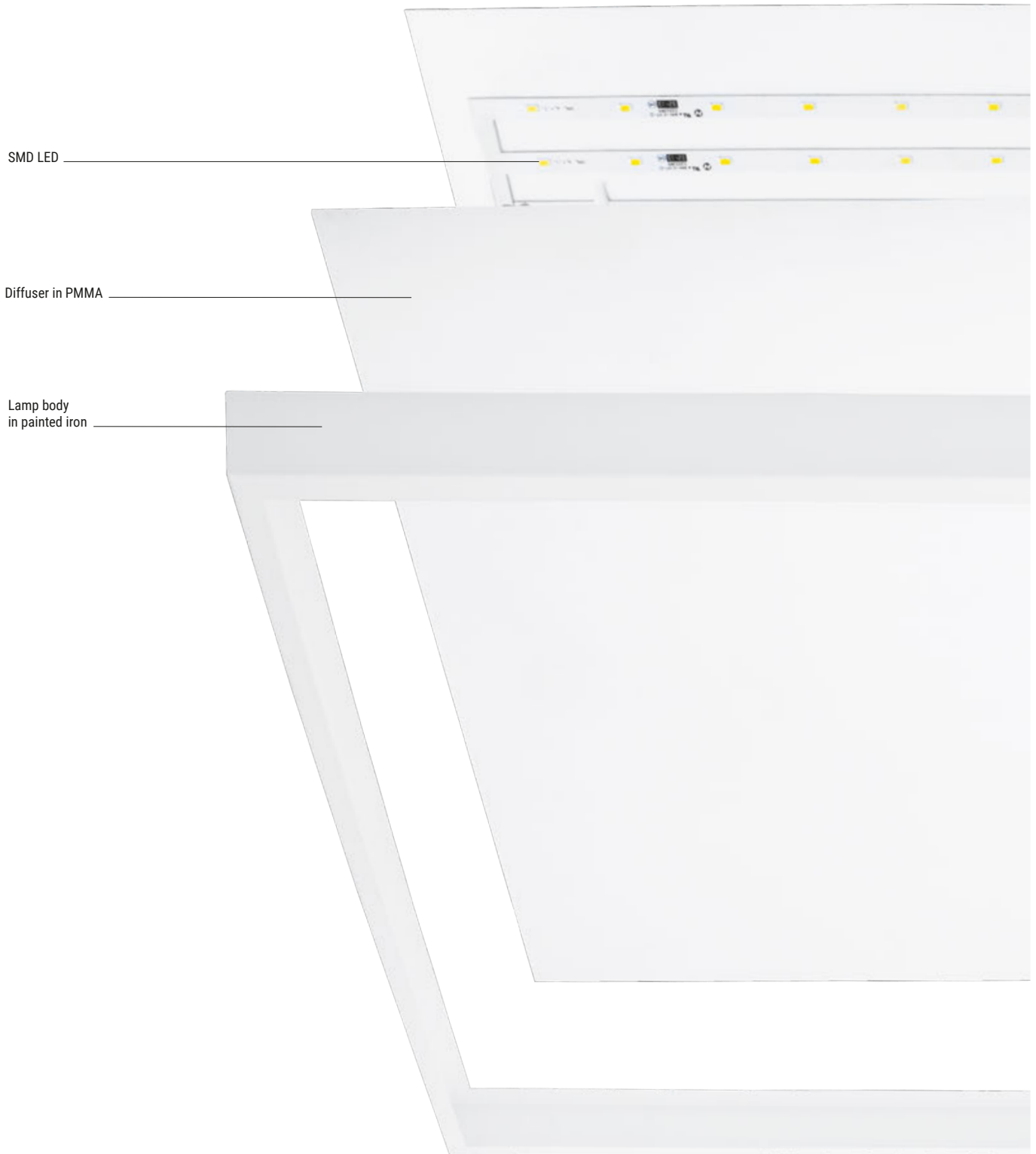


	595 x 595 mm	295 x 295 mm	595 x 595 mm	595 x 295 mm	1195 x 295 mm
Dimension	595 x 595 mm	295 x 295 mm	595 x 595 mm	595 x 295 mm	1195 x 295 mm
IP44	45 W	11 W 21 W	30 W 50 W 70 W	16 W 25 W	30 W 50 W 70 W
Comfort	30 W	11 W 21 W	30 W 50 W	16 W 25 W	30 W 50 W
Protection IP65	-	-	-	-	-
Finish	White	White	White	White	White
Efficiency CRI 80	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K	3000K 4000K
Efficiency CRI 92	3000K	3000K	3000K	3000K	3000K
Optics	Diffused	Diffused	Diffused	Diffused	Diffused
Control	On/Off DALI	On/Off DALI Push	On/Off DALI DALI Push 0/1-10 V	On/Off DALI Push	On/Off DALI DALI Push 0/1-10 V

Construction details



SMD LEDs arranged in a module with a large emitting surface generate excellent levels of light intensity. Functional lamp body whose reflective white paint finish allows optimum light transmission to the diffuser. The shielding in resistant opal PMMA makes the light diffusion more homogeneous and reduces the perceived glare.



UGR index values suitable for any environment

Edith is the ideal partner for general lighting. Thanks to the wide range of items, it can be used in different environments: offices, schools, hotels, gyms, hospitals, supermarkets, shops, shopping centres and industrial warehouses. Available in "Comfort" version with UGR<19, ideal for locations that required by regulation a controlled brightness level, such as most offices where computer monitors are used. Contained UGR values allow rational positioning of the fixtures, both in number and distribution, without straining the vision.



UGR≤19

UGR>19

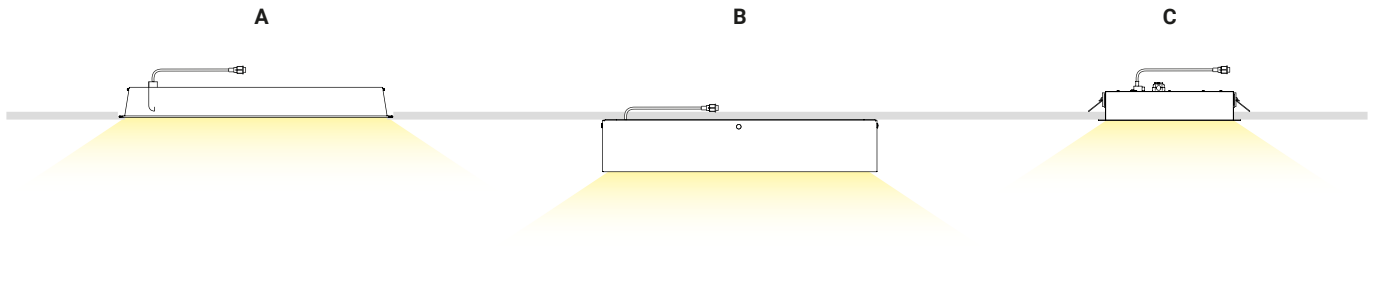
Fitness areas, gyms, beauty centres and wellness areas	
Common areas, hallways, stair landings, lifts	
Large distribution, shopping centres, supermarkets	
Public environments, large common areas, waiting rooms	
Shops in general, exhibit halls, showcases, shop fronts	

UGR<19

Offices with computer monitors, offices in large spaces such as open space, level 2 specific offices, single offices	
Hotels, generic environments where high visual comfort is required	
Schools, daycare centres, universities, classrooms, laboratories, meeting rooms, press rooms	
Environments for TV filming, cinemas	
Hospitals, doctors' offices	

Three different installation types:

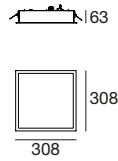
- A Version for modular false ceiling
- B Surface version
- C Recessed version



Edith: Ceiling height 2,9 m - Spacing 1,5 m



Edith_C | Recessed lights | topLED | 11W DC 500 mA



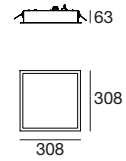
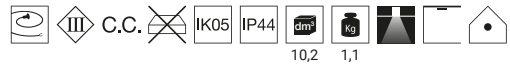
	CRI 80	Cct	lm S - D	Optic
White	96535	W 3000	1422 - 1127	00 Diffused -
		N 4000	1490 - 1181	

	CRI 92	Cct	lm S - D	Optic
White	96536	W 3000	1193 - 945	00 Diffused* -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_C | Recessed lights | topLED | 21W DC 500 mA



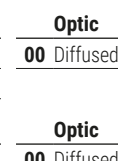
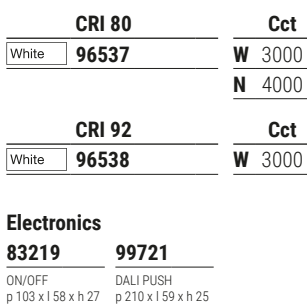
	CRI 80	Cct	lm S - D	Optic
White	97349	W 3000	2626 - 2082	00 Diffused -
		N 4000	2789 - 2211	

	CRI 92	Cct	lm S - D	Optic
White	97350	W 3000	2240 - 1176	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_C Comfort



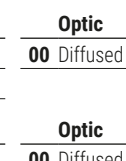
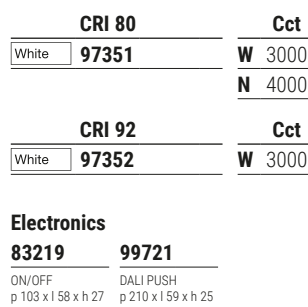
	CRI 80	Cct	lm S - D	Optic
White	96537	W 3000	1422 - 985	00 Diffused -
		N 4000	1490 - 1032	

	CRI 92	Cct	lm S - D	Optic
White	96538	W 3000	1193 - 8626	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_C Comfort



	CRI 80	Cct	lm S - D	Optic
White	97351	W 3000	2626 - 1819	00 Diffused -
		N 4000	2789 - 1932	

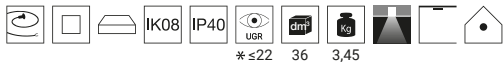
	CRI 92	Cct	lm S - D	Optic
White	97352	W 3000	2240 - 1552	00 Diffused -

Electronics

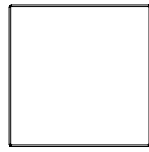
83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25



Edith Full-light | General lighting | topLED | 180-260 V AC | 40.5 W DC - 45 W AC



78 | | 66



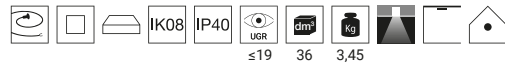
595

	CRI 80	Cct	lm S - D	Optic
White	97854	W 3000	5675 - 4339	00 Diffused -
	CRI 80 - DALI	N 4000	6026 - 4725	
White	97855			

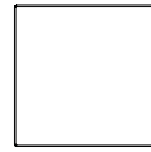
	CRI 92	Cct	lm S - D	Optic
White	97856	W 3000	4840 - 3736	00 Diffused* -
	CRI 92 - DALI			
White	97857			

Accessories Pag. 182 - 183

Edith Full-light Comfort | General lighting | topLED | 100-240 V AC | 27 W DC - 30 W AC



78 | | 66



595

	CRI 80	Cct	lm S - D	Optic
White	97850	W 3000	3990 - 3011	00 Diffused -
	CRI 80 - DALI	N 4000	4227 - 3300	
White	97851			

	CRI 92	Cct	lm S - D	Optic
White	97852	W 3000	3396 - 2585	00 Diffused -
	CRI 92 - DALI			
White	97853			

Accessories Pag. 182 - 183

Edith Comfort



Edith Full-light Comfort



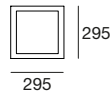
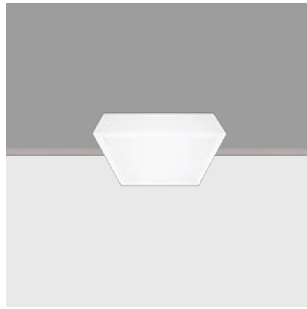
Edith



Edith Full-light



Edith | General lighting | topLED | 11W DC 500 mA



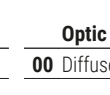
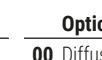
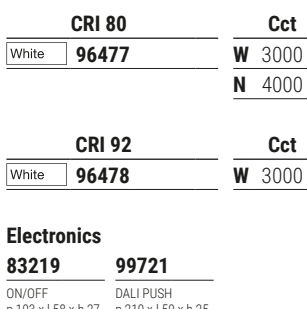
	CRI 80	Cct	lm S - D	Optic
White	96475	W 3000 N 4000	1422 - 1127 1490 - 1181	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96476	W 3000	1193 - 945	00 Diffused* -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	96477	W 3000 N 4000	1422 - 985 1490 - 1032	00 Diffused -

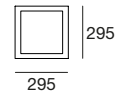
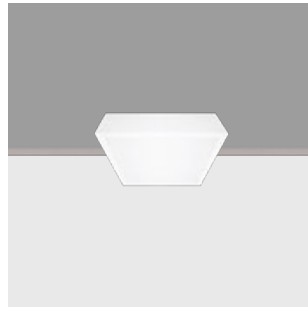
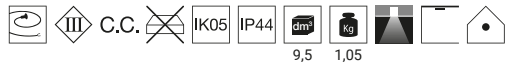
	CRI 92	Cct	lm S - D	Optic
White	96478	W 3000	1193 - 826	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 21W DC 500 mA



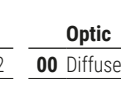
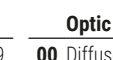
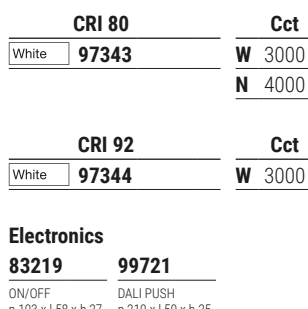
	CRI 80	Cct	lm S - D	Optic
White	97341	W 3000 N 4000	2626 - 2082 2789 - 2211	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	97342	W 3000	2240 - 1776	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	97343	W 3000 N 4000	2626 - 1819 2789 - 1932	00 Diffused -

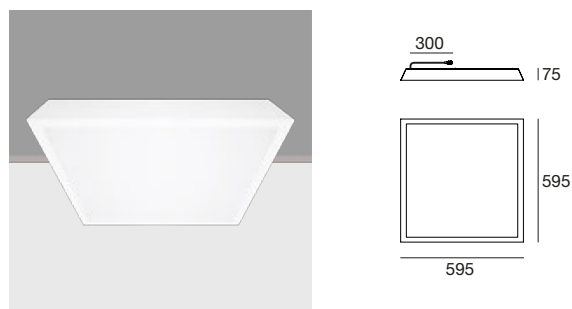
	CRI 92	Cct	lm S - D	Optic
White	97344	W 3000	2240 - 1552	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 30W DC 840 mA



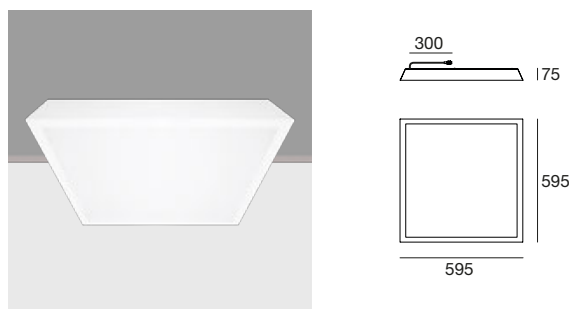
CRI 80	Cct	lm S - D	Optic
White 95049	W 3000	4293 - 3236	00 Diffused -
	N 4000	4495 - 3528	

CRI 92	Cct	lm S - D	Optic
White 95726	W 3000	3600 - 2912	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x l 158 x h 27 p 124 x l 179 x h 22

Edith | General lighting | topLED | 50W DC 1250 mA



CRI 80	Cct	lm S - D	Optic
White 95049	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 95726	W 3000	5273 - On req	00 Diffused -

Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x l 25 x h 49 p 124 x l 179 x h 22

Edith Comfort



CRI 80	Cct	lm S - D	Optic
White 95729	W 3000	4293 - 2912	00 Diffused -
	N 4000	4495 - 3177	

CRI 92	Cct	lm S - D	Optic
White 95736	W 3000	3600 - On req	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x l 158 x h 27 p 124 x l 179 x h 22

Edith Comfort



CRI 80	Cct	lm S - D	Optic
White 95729	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 95736	W 3000	5273 - On req	00 Diffused -

Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x l 25 x h 49 p 124 x l 179 x h 22

Edith Protection



CRI 80	Cct	lm S - D	Optic
White 95739	W 3000	4293 - 3636	00 Diffused -
	N 4000	4495 - 3966	

CRI 92	Cct	lm S - D	Optic
White 95741	W 3000	3600 - On req	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x l 158 x h 27 p 124 x l 179 x h 22

Edith Protection



CRI 80	Cct	lm S - D	Optic
White 95739	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 95741	W 3000	5273 - On req	00 Diffused -

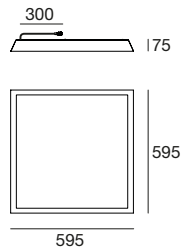
Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x l 25 x h 49 p 124 x l 179 x h 22

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Accessories Pag. 182 - 183

Edith | General lighting | topLED | 70W DC 1800 mA



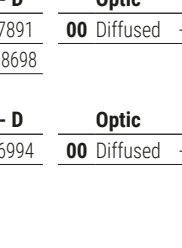
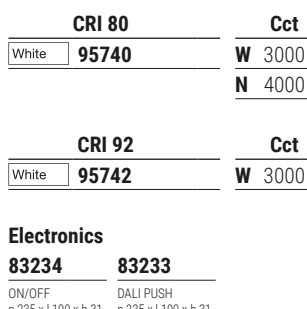
CRI 80		Cct	lm S - D	Optic
White	95724	W 3000	9152 - 7891	00 Diffused -
		N 4000	10088 - 8698	

CRI 92		Cct	lm S - D	Optic
White	95727	W 3000	8113 - 6994	00 Diffused -

Electronics

83234 **83233**
 ON/OFF DALI PUSH
 p 235 x l 100 x h 31 p 235 x l 100 x h 31

Edith Protection



CRI 80		Cct	lm S - D	Optic
White	95740	W 3000	9152 - 7891	00 Diffused -
		N 4000	10088 - 8698	

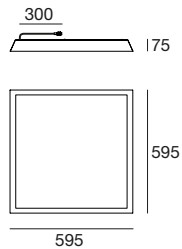
CRI 92		Cct	lm S - D	Optic
White	95742	W 3000	8113 - 6994	00 Diffused -

Electronics

83234 **83233**
 ON/OFF DALI PUSH
 p 235 x l 100 x h 31 p 235 x l 100 x h 31

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 100W DC 2500 mA



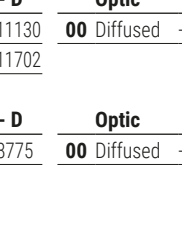
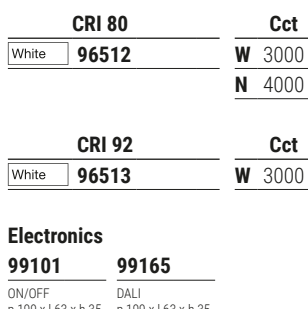
CRI 80		Cct	lm S - D	Optic
White	96547	W 3000	12909 - 11130	00 Diffused -
		N 4000	13572 - 11702	

CRI 92		Cct	lm S - D	Optic
White	96548	W 3000	9281 - 8775	00 Diffused -

Electronics

99101 **99165**
 ON/OFF DALI
 p 199 x l 63 x h 35 p 199 x l 63 x h 35

Edith Protection



CRI 80		Cct	lm S - D	Optic
White	96512	W 3000	12909 - 11130	00 Diffused -
		N 4000	13572 - 11702	

CRI 92		Cct	lm S - D	Optic
White	96513	W 3000	9281 - 8775	00 Diffused -

Electronics

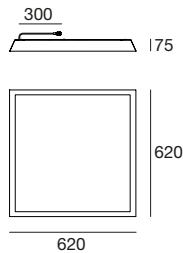
99101 **99165**
 ON/OFF DALI
 p 199 x l 63 x h 35 p 199 x l 63 x h 35

Accessories Pag. 182 - 183





Edith | General lighting | topLED | 30W DC 840 mA



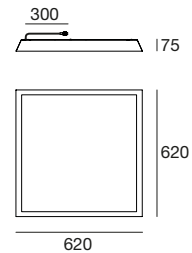
CRI 80	Cct	lm S - D	Optic
White 96421	W 3000	4293 - 3234	00 Diffused -
	N 4000	4495 - 3528	

CRI 92	Cct	lm S - D	Optic
White 96413	W 3000	3600 - 2912	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith | General lighting | topLED | 50W DC 1250 mA



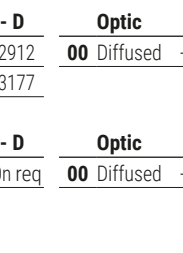
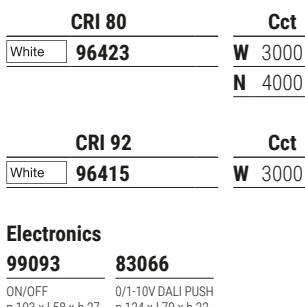
CRI 80	Cct	lm S - D	Optic
White 96421	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 96413	W 3000	5273 - On req	00 Diffused -

Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith Comfort



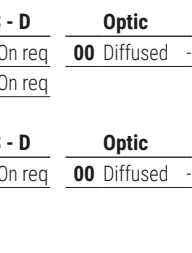
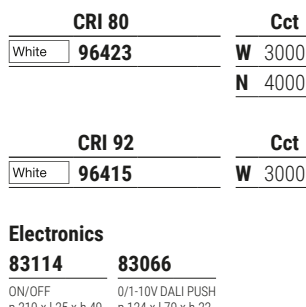
CRI 80	Cct	lm S - D	Optic
White 96423	W 3000	4293 - 2912	00 Diffused -
	N 4000	4495 - 3177	

CRI 92	Cct	lm S - D	Optic
White 96415	W 3000	3600 - On req	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith Comfort



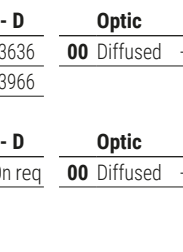
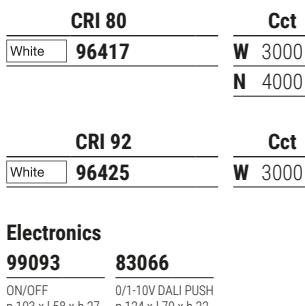
CRI 80	Cct	lm S - D	Optic
White 96423	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 96415	W 3000	5273 - On req	00 Diffused -

Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith Protection



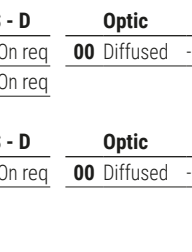
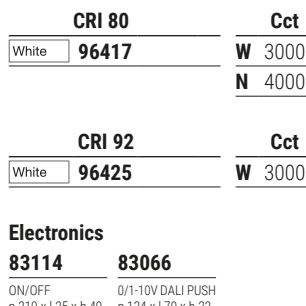
CRI 80	Cct	lm S - D	Optic
White 96417	W 3000	4293 - 3636	00 Diffused -
	N 4000	4495 - 3966	

CRI 92	Cct	lm S - D	Optic
White 96425	W 3000	3600 - On req	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith Protection



CRI 80	Cct	lm S - D	Optic
White 96417	W 3000	6811 - On req	00 Diffused -
	N 4000	7216 - On req	

CRI 92	Cct	lm S - D	Optic
White 96425	W 3000	5273 - On req	00 Diffused -

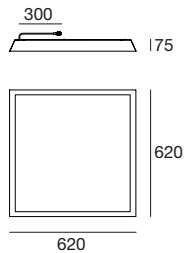
Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

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Edith | General lighting | topLED | 70W DC 1800 mA



	CRI 80	Cct	lm S - D	Optic
White	96422	W 3000	9152 - 7891	00 Diffused -
		N 4000	10088 - 8698	

	CRI 92	Cct	lm S - D	Optic
White	96414	W 3000	8113 - 6994	00 Diffused -

Electronics

83234 **83233**
 ON/OFF DALI PUSH
 p 235 x l 100 x h 31 p 235 x l 100 x h 31

Edith Protection



	CRI 80	Cct	lm S - D	Optic
White	96418	W 3000	9152 - 7891	00 Diffused -
		N 4000	10088 - 8698	

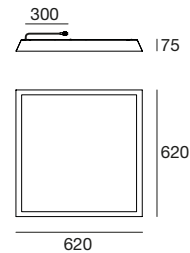
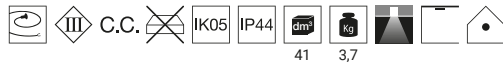
	CRI 92	Cct	lm S - D	Optic
White	96426	W 3000	8112 - 6994	00 Diffused -

Electronics

83234 **83233**
 ON/OFF DALI PUSH
 p 235 x l 100 x h 31 p 235 x l 100 x h 31

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 100W DC 2500 mA



	CRI 80	Cct	lm S - D	Optic
White	96461	W 3000	12909 - 11130	00 Diffused -
		N 4000	13572 - 11702	

	CRI 92	Cct	lm S - D	Optic
White	96726	W 3000	9281 - 8775	00 Diffused -

Electronics

99101 **99165**
 ON/OFF DALI
 p 199 x l 63 x h 35 p 199 x l 63 x h 35

Edith Protection



	CRI 80	Cct	lm S - D	Optic
White	96514	W 3000	12909 - 11130	00 Diffused -
		N 4000	13572 - 11702	

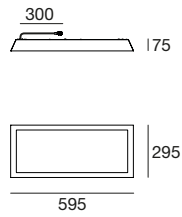
	CRI 92	Cct	lm S - D	Optic
White	96515	W 3000	9281 - 8775	00 Diffused -

Electronics

99101 **99165**
 ON/OFF DALI
 p 199 x l 63 x h 35 p 199 x l 63 x h 35

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 16W DC 400 mA



	CRI 80	Cct	lm S - D	Optic
White	96462	W 3000	2285 - On req	00 Diffused -
		N 4000	2387 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96493	W 3000	2106 - On req	00 Diffused -

Electronics

99740 **99738**
 ON/OFF DALI PUSH
 p 141 x 137 x h 30 p 141 x 137 x h 30

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	96494	W 3000	2285 - On req	00 Diffused -
		N 4000	2387 - On req	

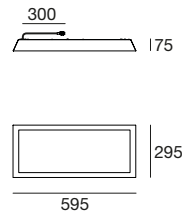
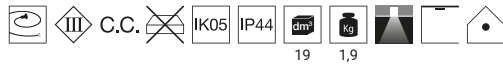
	CRI 92	Cct	lm S - D	Optic
White	96495	W 3000	2106 - On req	00 Diffused -

Electronics

99740 **99738**
 ON/OFF DALI PUSH
 p 141 x 137 x h 30 p 141 x 137 x h 30

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 25W DC 630 mA



	CRI 80	Cct	lm S - D	Optic
White	96462	W 3000	3143 - On req	00 Diffused -
		N 4000	3331 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96493	W 3000	2675 - On req	00 Diffused -

Electronics

99261 **99721**
 ON/OFF DALI PUSH
 p 103 x 158 x h 27 p 210 x 148 x h 25

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	96494	W 3000	3143 - On req	00 Diffused -
		N 4000	3331 - On req	

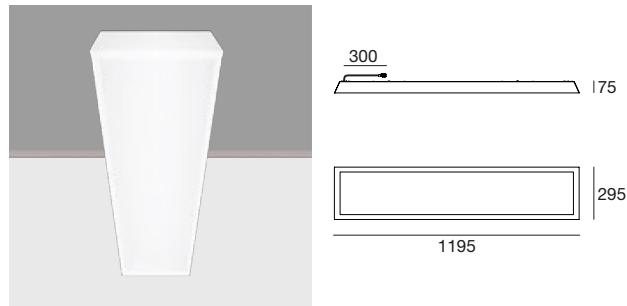
	CRI 92	Cct	lm S - D	Optic
White	96495	W 3000	2675 - On req	00 Diffused -

Electronics

99261 **99721**
 ON/OFF DALI PUSH
 p 103 x 158 x h 27 p 210 x 148 x h 25

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 30W DC 840 mA



	CRI 80	Cct	lm S - D	Optic
White	96593	W 3000 N 4000	4623 - 3452 4841 - 3766	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96595	W 3000	3887 - 2557	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	96596	W 3000 N 4000	4623 - 2768 4841 - 3020	00 Diffused -

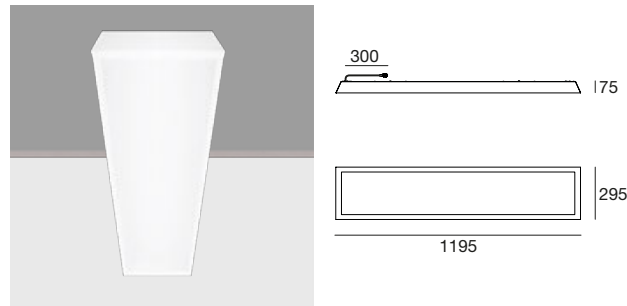
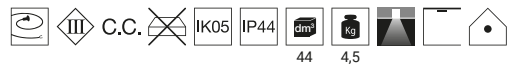
	CRI 92	Cct	lm S - D	Optic
White	96598	W 3000	3887 - On req	00 Diffused -

Electronics

99093 83066
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 50W DC 1250 mA



	CRI 80	Cct	lm S - D	Optic
White	96593	W 3000 N 4000	6406 - On req 7062 - On req	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96595	W 3000	5678 - On req	00 Diffused -

Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith Comfort



	CRI 80	Cct	lm S - D	Optic
White	96596	W 3000 N 4000	6406 - On req 7062 - On req	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96598	W 3000	5678 - On req	00 Diffused -

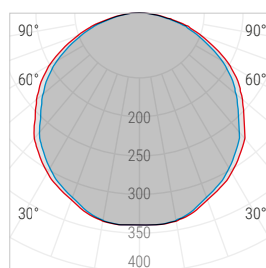
Electronics

83114 83066
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Accessories Pag. 182 - 183

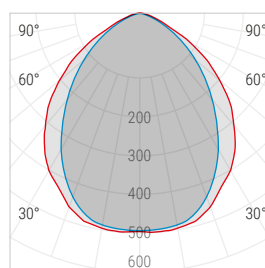
Photometric curves of:

Edith Full-light 45W (97854)



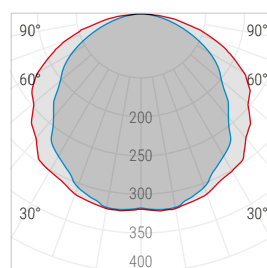
CO/C180 C90/C270
Optic 00 Diffused

Edith Full-light Comfort 30W (97850)



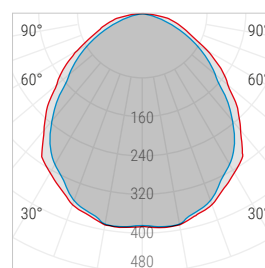
CO/C180 C90/C270
Optic 00 Diffused

Edith 30W (96593)



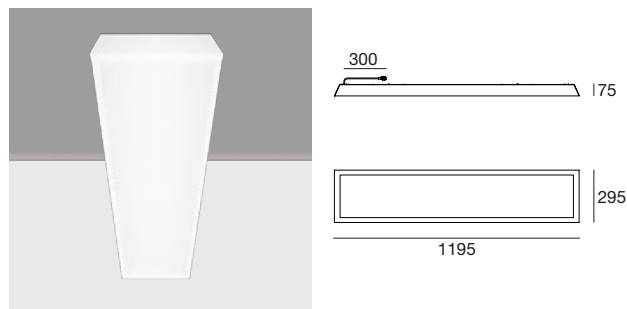
CO/C180 C90/C270
Optic 00 Diffused

Edith Comfort 30W (96596)



CO/C180 C90/C270
Optic 00 Diffused

Edith | General lighting | topLED | 70W DC 1800 mA



CRI 80	Cct	lm S - D	Optic
White 96516	W 3000	9153 - 8206	00 Diffused -
	N 4000	10088 - 9045	

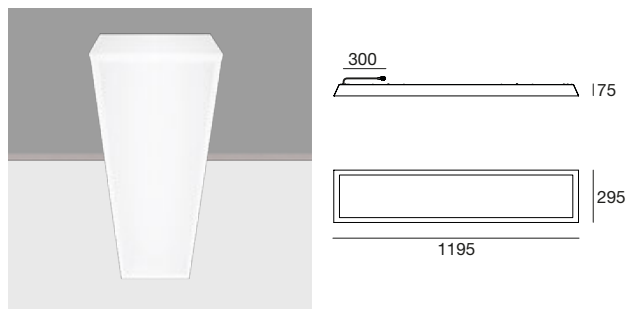
CRI 92	Cct	lm S - D	Optic
White 96518	W 3000	8112 - 7273	00 Diffused -

Electronics

83234	83233
ON/OFF p 235 x l 100 x h 31	DALI PUSH p 235 x l 100 x h 31

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 100W DC 2500 mA



CRI 80	Cct	lm S - D	Optic
White 96517	W 3000	13621 - 12213	00 Diffused -
	N 4000	14434 - 12941	

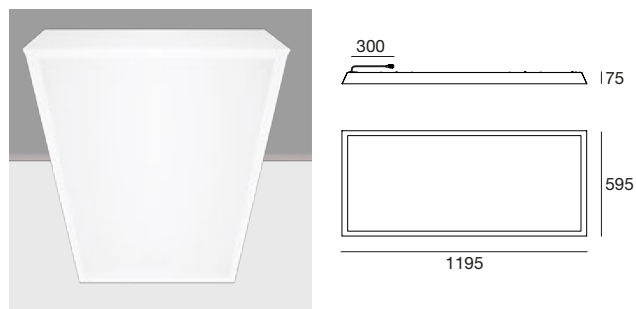
CRI 92	Cct	lm S - D	Optic
White 96563	W 3000	11593 - 10395	00 Diffused -

Electronics

99101	99165
ON/OFF p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 100W DC 2500 mA



CRI 80	Cct	lm S - D	Optic
White 95725	W 3000	12909 - 11575	00 Diffused -
	N 4000	13572 - 12169	

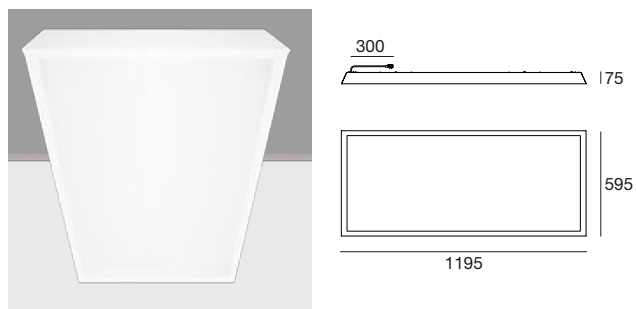
CRI 92	Cct	lm S - D	Optic
White 95728	W 3000	9652 - 8775	00 Diffused -

Electronics

99101	99165
ON/OFF p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

Accessories Pag. 182 - 183

Edith | General lighting | topLED | 140W DC 3600 mA



CRI 80	Cct	lm S - D	Optic
White 96594	W 3000	18304 - 16413	00 Diffused -
	N 4000	20177 - 18091	

CRI 92	Cct	lm S - D	Optic
White 96611	W 3000	16225 - 14547	00 Diffused -

Electronics

83238	98173
ON/OFF p 219 x l 63 x h 35	DALI p 219 x l 63 x h 35

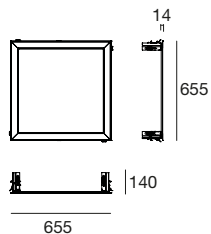
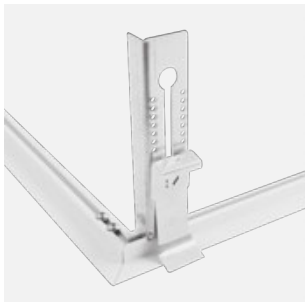
Accessories Pag. 182 - 183



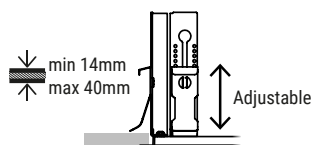
Accessory | Support for installation with exposed frame



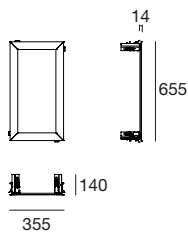
Aluminium support frame with embossed white finish, for exposed installation. Accessory suitable for installation of: Edith 595x595mm, 595x295mm, 1195x295mm and 1195x595mm.



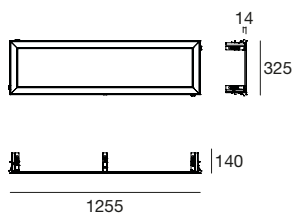
	size	suitable for
98313	655 x 655mm	Edith 595 x 595mm Edith_Full-Light 595 x 595mm



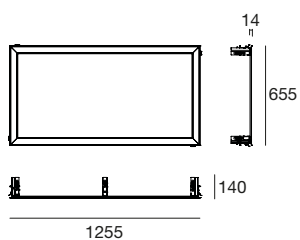
Adjustable based on the thickness of the plasterboard which must be at least 14 mm thick and no thicker than 40 mm.



	size	suitable for
98406	607 x 302mm	Edith 595 x 295mm



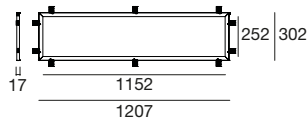
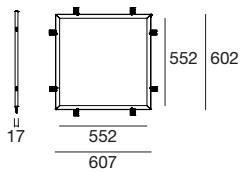
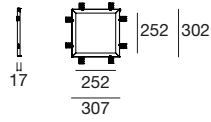
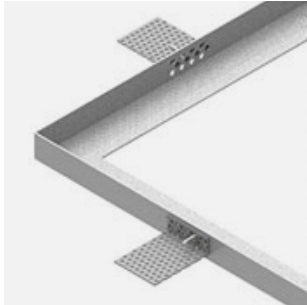
	size	suitable for
98354	1258 x 328mm	Edith 1195 x 295mm



	size	suitable for
98314	1258 x 658mm	Edith 1195 x 595mm



Accessory | Support for flush installation with exposed frame



Galvanised calendered metal support frame, for flushed installation with a quick-coupling mounting system. Accessory suitable for installation of:
Edith 295x295mm, 595x595mm, 1195x295mm e 1195x595mm and Edith Full-light 595x595mm.

	size	suitable for
98405	307 x 302mm	Edith 295 x 295mm

19,5	0,22

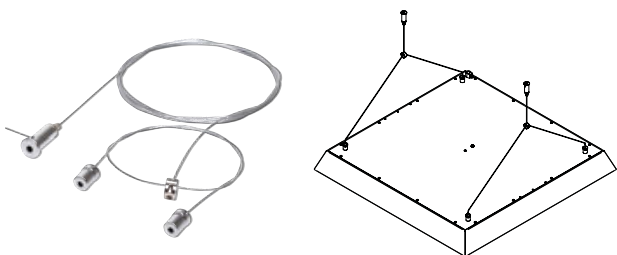
	size	suitable for
98311	607 x 602mm	Edith 595 x 595mm Edith_Full-Light 595 x 595mm

47,2	0,57

	size	suitable for
98391	1207 x 302mm	Edith 1195 x 295mm

47,2	0,57

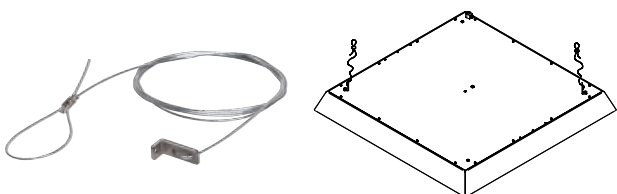
Accessory | Double cable self-supporting kit



	size	suitable for
98281	2500 mm	Edith

Self-supporting safety kit for suspension in the false ceiling made up of a pair of 2.5 m long steel cords and a ceiling fixing system with cable lock and safety sleeve, for simple and quick installation height adjustment.

Accessory | Single cable self-supporting kit



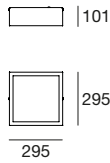
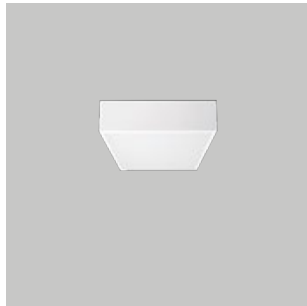
	size	suitable for
98282	2500 mm	Edith Edith_Full-Light

2.5-metre long steel safety cord with fixing bracket. It is recommended to apply at least two cords on the upper part between opposite corners of the ceiling lamp.





Edith_S | General lighting | topLED | 11W DC 500 mA



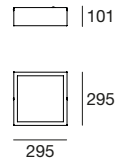
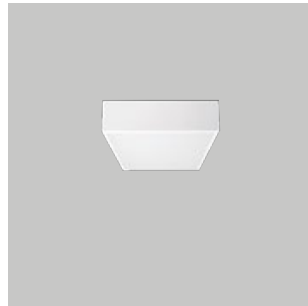
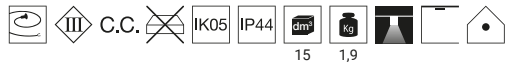
	CRI 80	Cct	lm S - D	Optic
White	96479	W 3000 N 4000	1422 - 1127 1490 - 1181	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96480	W 3000	1193 - 945	00 Diffused* -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_S | General lighting | topLED | 21W DC 500 mA



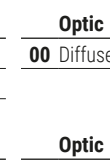
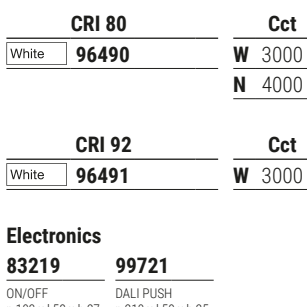
	CRI 80	Cct	lm S - D	Optic
White	97345	W 3000 N 4000	2626 - 2082 2789 - 2211	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	97346	W 3000	2240 - 1776	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_S Comfort



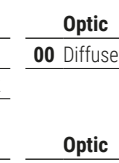
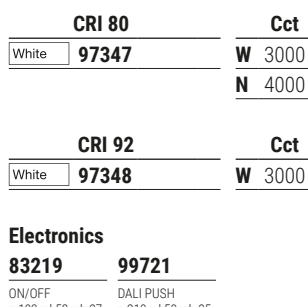
	CRI 80	Cct	lm S - D	Optic
White	96490	W 3000 N 4000	1422 - 985 1490 - 1032	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96491	W 3000	1193 - 826	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_S Comfort



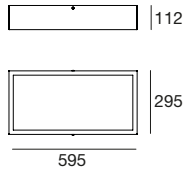
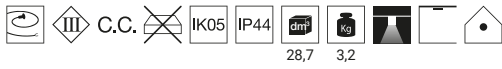
	CRI 80	Cct	lm S - D	Optic
White	97347	W 3000 N 4000	2626 - 1819 2789 - 1932	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	97348	W 3000	2240 - 1552	00 Diffused -

Electronics

83219	99721
ON/OFF p 103 x 158 x h 27	DALI PUSH p 210 x 159 x h 25

Edith_S | General lighting | topLED | 16W DC 400 mA



	CRI 80	Cct	lm S - D	Optic
White	96500	W 3000	2285 - On req	00 Diffused -
		N 4000	2387 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96501	W 3000	2106 - On req	00 Diffused -

Electronics

99740 **99738**
 ON/OFF DALI PUSH
 p 141 x 137 x h 30 p 141 x 137 x h 30

Edith_S Comfort



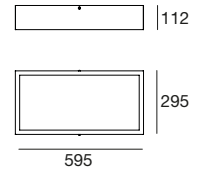
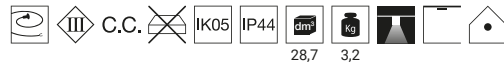
	CRI 80	Cct	lm S - D	Optic
White	96502	W 3000	2285 - On req	00 Diffused -
		N 4000	2387 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96481	W 3000	2106 - On req	00 Diffused -

Electronics

99740 **99738**
 ON/OFF DALI PUSH
 p 141 x 137 x h 30 p 141 x 137 x h 30

Edith_S | General lighting | topLED | 25W DC 630 mA



	CRI 80	Cct	lm S - D	Optic
White	96500	W 3000	3143 - On req	00 Diffused -
		N 4000	3331 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96501	W 3000	2675 - On req	00 Diffused -

Electronics

99261 **99721**
 ON/OFF DALI PUSH
 p 103 x 158 x h 27 p 210 x 148 x h 25

Edith_S Comfort



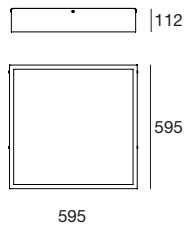
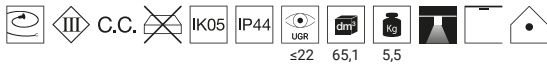
	CRI 80	Cct	lm S - D	Optic
White	96502	W 3000	3143 - On req	00 Diffused -
		N 4000	3331 - On req	

	CRI 92	Cct	lm S - D	Optic
White	96481	W 3000	2675 - On req	00 Diffused -

Electronics

99261 **99721**
 ON/OFF DALI PUSH
 p 103 x 158 x h 27 p 210 x 148 x h 25

Edith_S | General lighting | topLED | 30W DC 840 mA



	CRI 80	Cct	lm S - D	Optic
White	96471	W 3000 N 4000	4293 - 3636 4495 - 3966	00 Diffused -
White	96472	W 3000	3600 - 2694	00 Diffused -

Electronics

99093 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith_S Comfort

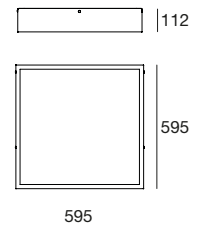
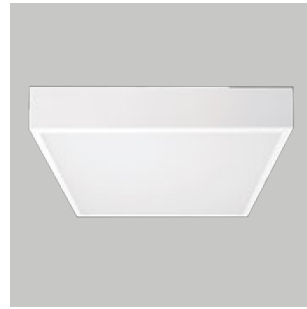
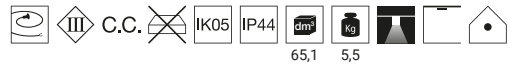


	CRI 80	Cct	lm S - D	Optic
White	96473	W 3000 N 4000	4293 - 2912 4495 - 3177	00 Diffused -
White	96474	W 3000	3600 - 2157	00 Diffused -

Electronics

99093 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith_S | General lighting | topLED | 50W DC 840 mA



	CRI 80	Cct	lm S - D	Optic
White	96471	W 3000 N 4000	6811 - On req 7216 - On req	00 Diffused -
White	96472	W 3000	5273 - On req	00 Diffused -

Electronics

83114 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith_S Comfort

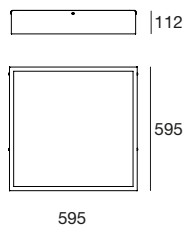


	CRI 80	Cct	lm S - D	Optic
White	96473	W 3000 N 4000	6811 - On req 7216 - On req	00 Diffused -
White	96474	W 3000	5273 - On req	00 Diffused -

Electronics

83114 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith_S | General lighting | topLED | 70W DC 1800 mA



	CRI 80	Cct	lm S - D	Optic
White	96357	W 3000	9152 - 7891	00 Diffused -
		N 4000	10088 - 8698	

	CRI 92	Cct	lm S - D	Optic
White	96466	W 3000	8112 - 6994	00 Diffused -

Electronics

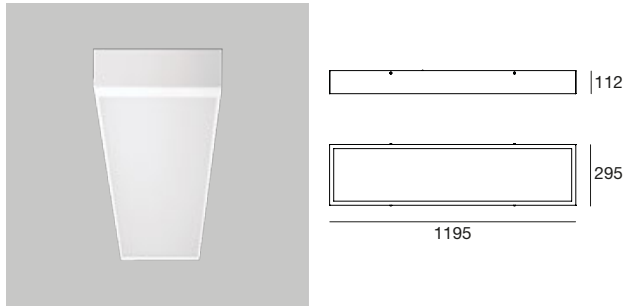
83234	83233
ON/OFF p 235 x l 100 x h 31	DALI PUSH p 235 x l 100 x h 31

Edith_S Comfort

Edith_S



Edith_S | General lighting | topLED | 30W DC 840 mA



	CRI 80	Cct	lm S - D	Optic
White	96568	W 3000 N 4000	4623 - 3797 4841 - 4142	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96570	W 3000	3887 - 2812	00 Diffused -

Electronics

99093 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith_S Comfort



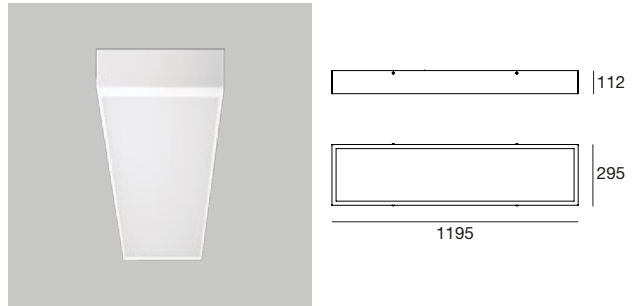
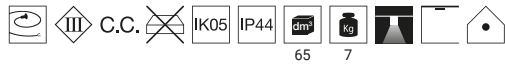
	CRI 80	Cct	lm S - D	Optic
White	96572	W 3000 N 4000	4623 - 2768 4841 - 3020	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96574	W 3000	3887 - 2050	00 Diffused -

Electronics

99093 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 103 x 158 x h 27 p 124 x 179 x h 22

Edith_S | General lighting | topLED | 50W DC 840 mA



	CRI 80	Cct	lm S - D	Optic
White	96568	W 3000 N 4000	6406 - On req 7062 - On req	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96570	W 3000	5678 - On req	00 Diffused -

Electronics

83114 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith_S Comfort



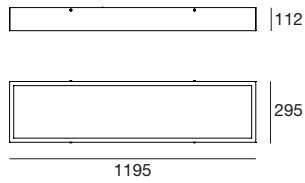
	CRI 80	Cct	lm S - D	Optic
White	96572	W 3000 N 4000	6406 - On req 7062 - On req	00 Diffused -

	CRI 92	Cct	lm S - D	Optic
White	96574	W 3000	5678 - On req	00 Diffused -

Electronics

83114 **83066**
 ON/OFF 0/1-10V DALI PUSH
 p 210 x 125 x h 49 p 124 x 179 x h 22

Edith_S | General lighting | topLED | 70W DC 1800 mA



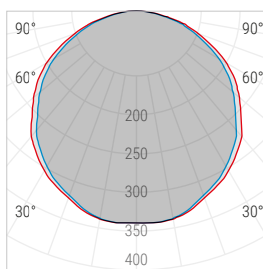
	CRI 80	Cct	lm S - D	Optic
White	96569	W 3000	9153 - 8206	00 Diffused -
		N 4000	10088 - 9045	
	CRI 92	Cct	lm S - D	Optic
White	96571	W 3000	8112 - 7273	00 Diffused -

Electronics

83234	83233
ON/OFF	DALI PUSH
p 235 x l 100 x h 31	p 235 x l 100 x h 31

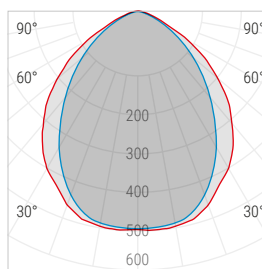
Photometric curves of:

Edith_S
30W (96471)



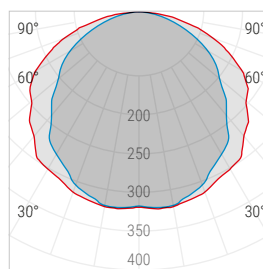
— C0/C180 — C90/C270
Optic 00 Diffused

Edith_S Comfort
30W (96473)



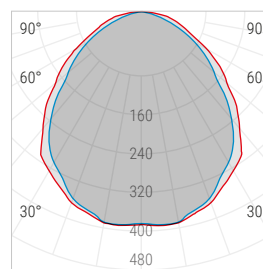
— C0/C180 — C90/C270
Optic 00 Diffused

Edith_S
30W (96568)

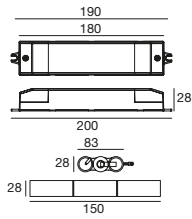


— C0/C180 — C90/C270
Optic 00 Diffused

Edith_S Comfort
30W (96572)



— C0/C180 — C90/C270
Optic 00 Diffused



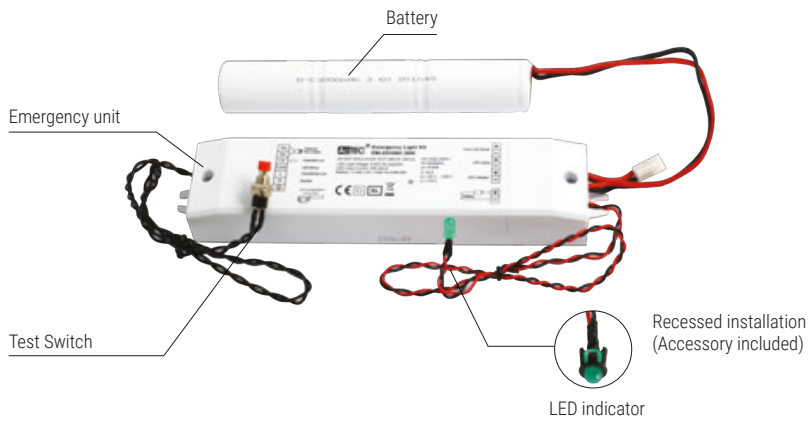
Switchable (on/off) in the presence of mains via switch on SL input (switched line). Automatic reset following battery and/or LED lamp replacement. Electronic multi-level charging system. Supplied with 3,000 mAh battery pack.

	range	output	input	eff.	PF	surge
99355	Universal	6-60V 40-400mA	220~240V AC	86%	0.5	4 kV

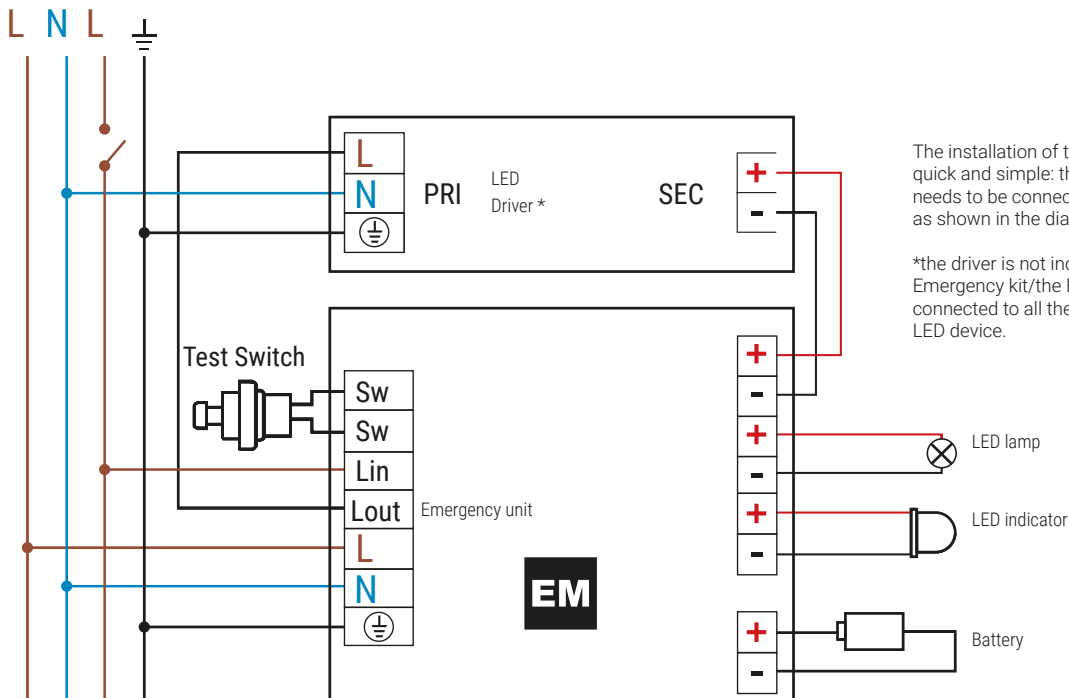
Frequency	50-60 Hz
Nominal input current	40 mA (30 A inrush current with cold start)
Outout voltage (without load)	6-60V
TA Operating temperature	-25 +50 °C
Max casing temperature TC	70 °C
Control interface	Switch Line, Rest mode

Protections	Overtemperature, overload, overvoltage, short-circuit, open circus
Charge current	200 mA
Emergency output current	400-40 mA
Emergency power	2,4W
Emergency output current	20 h

Reference norms	IEC 61347-2-7:2011, IEC 61347-2-7:2011/AMD1:2017, IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017, EN 61347-1:2015, EN 61347-2-7:2012+A1:2019, EN 55015:2013/A1:2015, EN61547:2009, EN 61000-3-2: 2014, EN 61000-3-3: 2013
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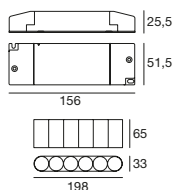
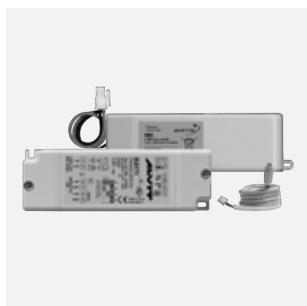


Unswitch Switch



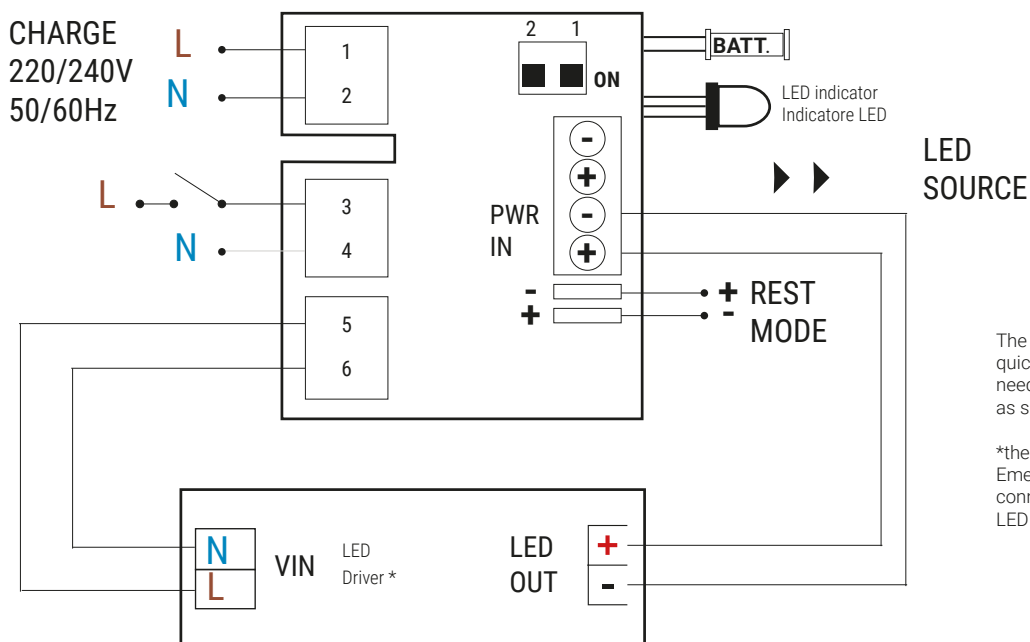
The installation of the emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.



- Maintained or non maintained operation
- Suitable for electronic driver, dimmable electronic driver
- Adjustable version dip-switch, constant current or constant voltage to power LED to LED modules
- Connected to power supplies with maximum output voltage and current 90V and 2A
- Automatic operation
- High temperature NiCd batteries
- Charge indicator with FROR led cable
- Protection device against extensive discharge
- MAT4 DALI self diagnosis system with external module
- Charging device with supply is reinforced insulation able to recharge the battery normally after the test in clause 22.3 of the IEC 61347-2-7:2007.
- Supplied with 3,000 mAh battery pack.

	range	output	input	PF
KIT0014	Universal C.C.	9-57V 350-60mA	220~240V AC	0.5
	Universal C.V.	24V 2000mA		
Frequency	50-60 Hz			
Nominal input current	20 mA			
Outout voltage (without load)	9-57V C.C. / 24V C.V.			
TA Operating temperature	0 +50 °C			
Max casing temperature TC	70 °C			
Control interface	Switch Line, Rest mode			
Protections	Overtemperature, overload, overvoltage, short-circuit, open circus			
Emergency output current	350-60 mA C.C. / 2000mA C.V.			
Emergency power	3,4W			
Recharging time	24 h			
Reference norms	EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN61000-3-2			



The installation of the emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.





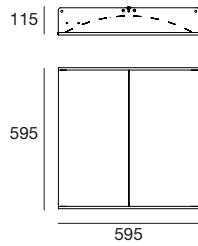
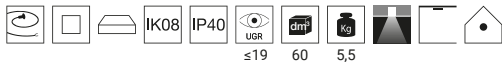


indy

Materials

Body in iron sheet metal painted RAL 9016.
Diffuser in PMMA.

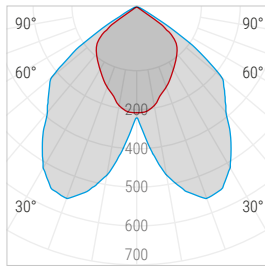
Indy | General lighting | topLED | 220-240 V AC | 30W DC 33 W AC



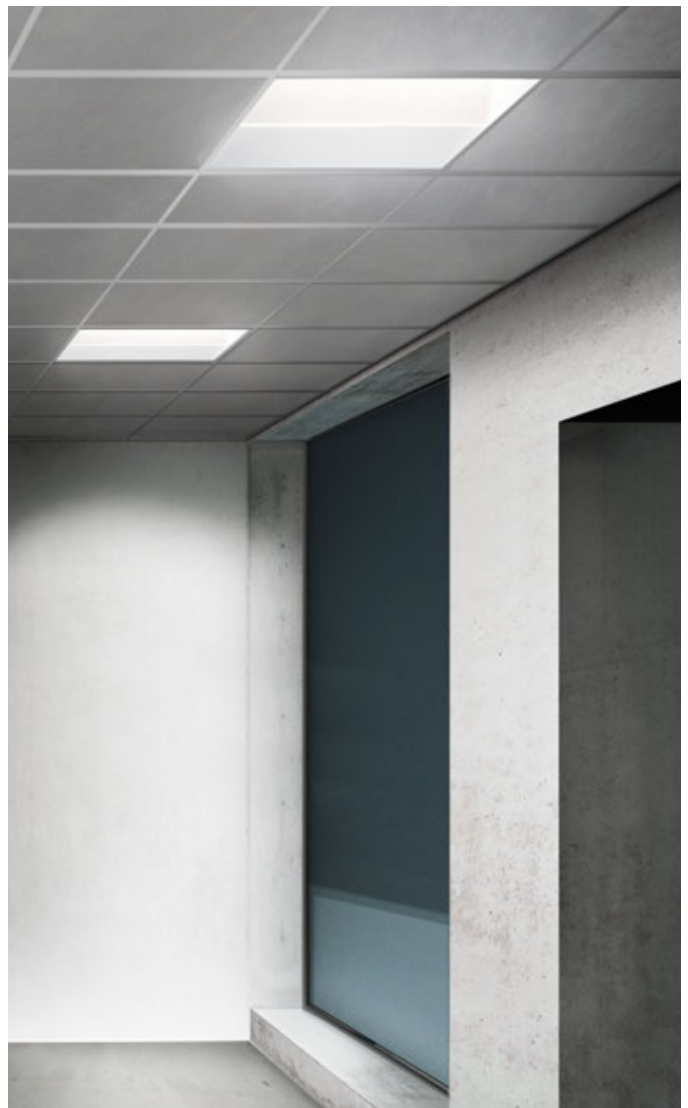
	CRI 80	CRI 80 - DALI
White	92426	92427

	Cct	lm S - D	Optic
W	3000	4240 - 3463	00 Diffused -
N	4000	4392 - 3587	

Photometric curves of Indy 33W (92426)

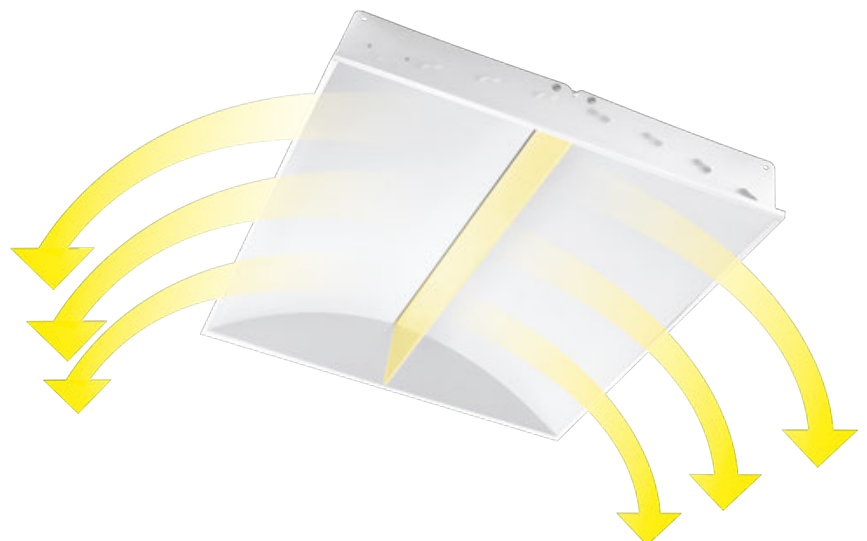
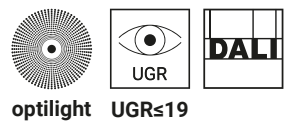


— C0/C180 — C90/C270
Optic 00 Diffused



OptiLight Technology™

The transparent PMMA surface has a special pattern consisting of laser micro-engravings which divert the photons conveying them bi-symmetrically, thus eliminating the occurrence of parasite light and reducing glaring drastically.





Street & urban lighting



street & urban lighting range index

Mini Parker



Parker



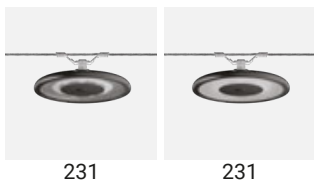
Ledweg



Drop



Drop Air



Fosten



Fabula



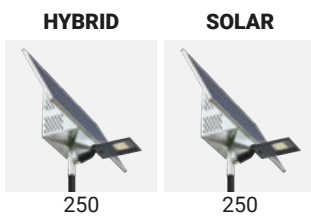
Voyager



Enterprise



ECO Mini Parker



Poles & Fixing accessories



Driled



Street & urban lighting solutions

Mini Parker

Parker

Ledweg

Voyager

Drop

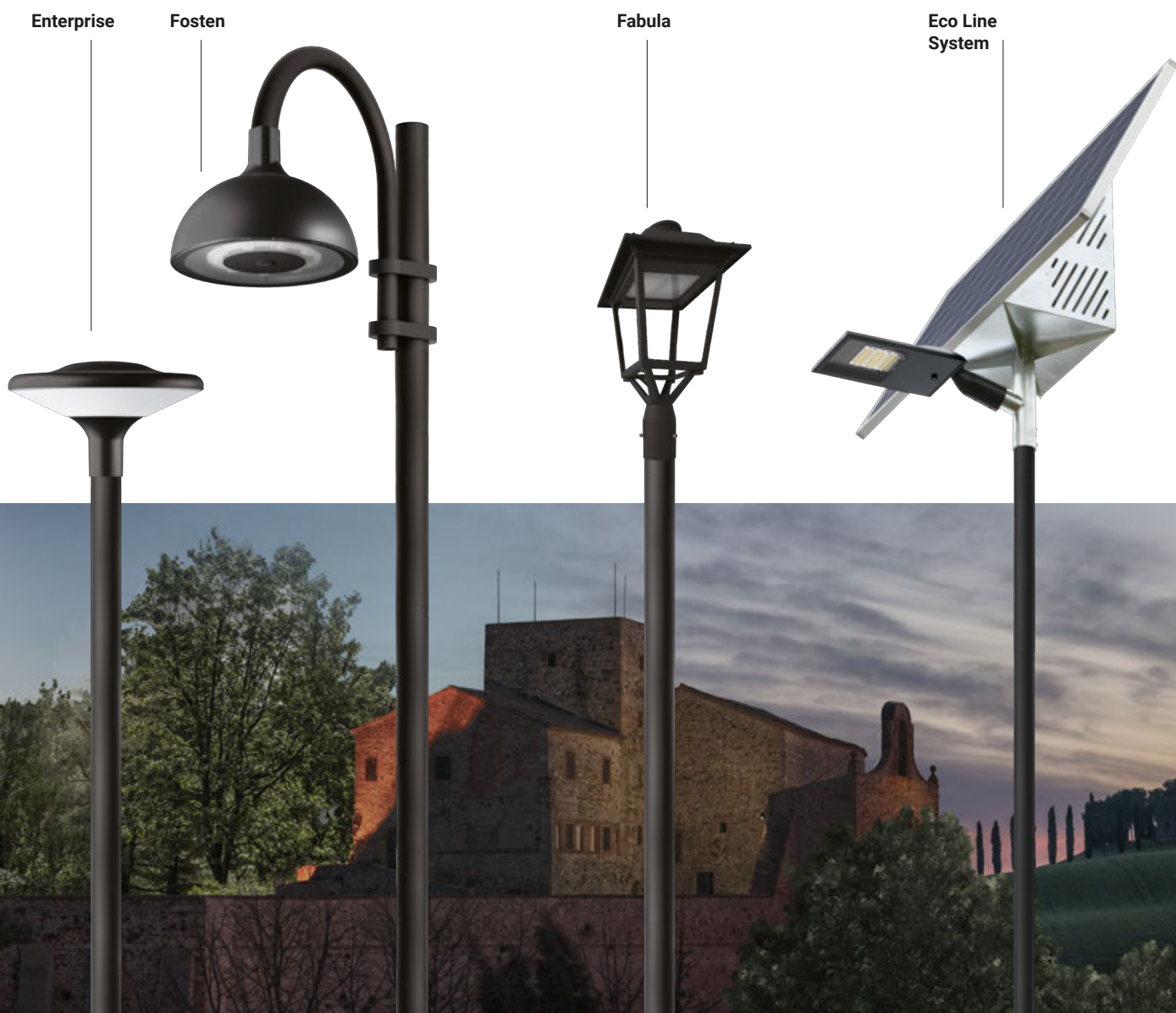


Street lighting

Street lighting is regulated by standards which define the technical lighting category based on the type of street, vehicle traffic, the presence of pedestrians and dangerous intersections to ensure correct lighting and maximum safety for people.

Urban décor lighting

Urban décor lighting is the result of a careful study that integrates aesthetic and practical aspects with the use of the city for the purpose of increasing the quality of public spaces. Adequate urban lighting plays a fundamental role in the usability of the city and the suburbs.



Enterprise

Fosten

Fabula

Eco Line System

Colour temperature

There are 4 different LED colour temperatures available: Warm white 3000K, Natural white 4000K, Cold white 5000K and Ancient white 2200K. With colour temperature "Ancient White 2200K", the visual perception of the environment is similar to the perception provided by traditional sodium vapour light sources, but with all the advantages and the great potential of the LEDs.

Ecology and savings

The EcoLine lighting systems allow areas without connections to electrical power to be lit. These systems have photovoltaic systems installed on posts associated with batteries that make the system entirely autonomous and therefore ideal for preventing high costs of digging and laying of electrical cables to run electricity to the areas that must be lit.

Pole-top luminaires technologies

Internal components

The Linea Light Group lamp post heads are conceived to ensure maximum efficiency and lifespan. The internal components and their positioning are the result of painstaking studies and tests of the materials used and their assembly.

Light grey	Anthracite	Black
RAL 7035	RAL 7016	RAL 9005 (Fabula)

Fixtures made entirely in ENAB-46100 aluminium alloy textured RAL7035 / RAL7016 / RAL9005 powder coated and UV ray stabilised. On request an electrochemical open-pore anodising pretreatment is carried out on the base alloy which guarantees outstanding corrosion resistance.



OVP



ESD

ESD ELECTROSTATIC DISCHARGE PROTECTIONS:
driver with standard integrated protection against electrostatic discharges (up to $\pm 30\text{kV}$); the CEI EN61547 standard indicates the minimum protection values against electrostatic discharges: $\pm 4\text{kV}$ for contact discharge and $\pm 8\text{kV}$ for discharge into the air.

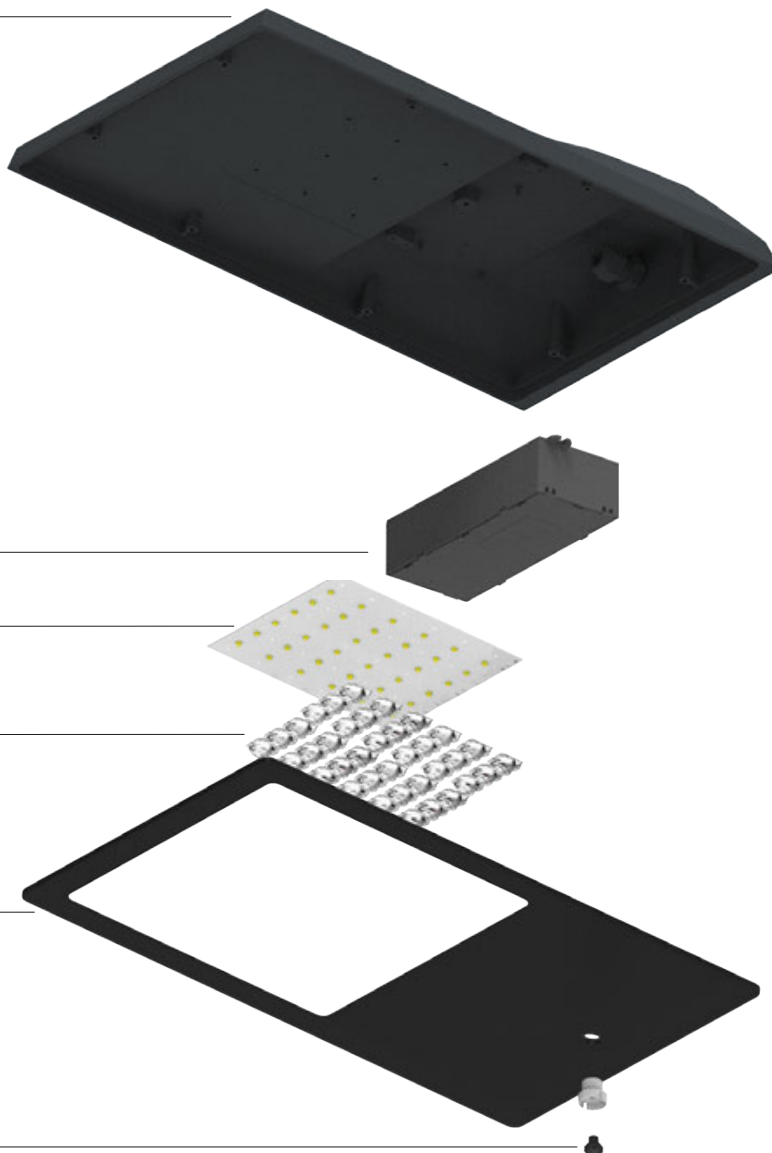
OVP OVERVOLTAGE PROTECTION:
driver with standard protection against overvoltage (up to 10kV).
Integrated protection in all lamp post heads.

Aluminium LED circuit
with high heat dissipation capacity.

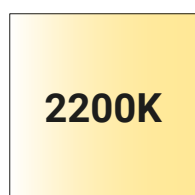
Optics made in PMMA with high resistance to high temperatures and UV rays.

Resistant protective screen with 4 mm thick tempered and silkscreen glass.

TCS® valve system for transpiration
inside the lamp body.



4 different colour temperatures available



2200K

ANCIENT WHITE (A)



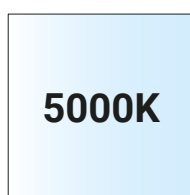
3000K

WARM WHITE (W)



4000K

NATURAL WHITE (N)



5000K

COLD WHITE (C)

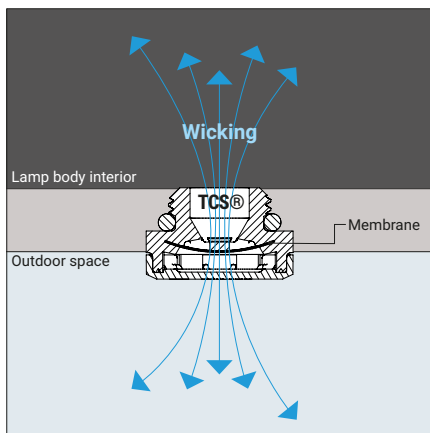
Transpiration Control System TCS®



The technology of the valve with TCS® system permits transpiration from the inside toward the outside of the lamp body. In climate conditions that are favourable to the formation of humidity and condensation on the internal surface of the glass, the TCS® valve prevents formation, ensuring maximum cleanliness of the emitting surface, thereby guaranteeing correct operation even in adverse conditions.

Characteristics

- Transpiration by means of membrane
- Unresponsive to chemical agents
- Resistant to UV rays
- There are no dispersions
- Resistant to high temperatures



Functional design

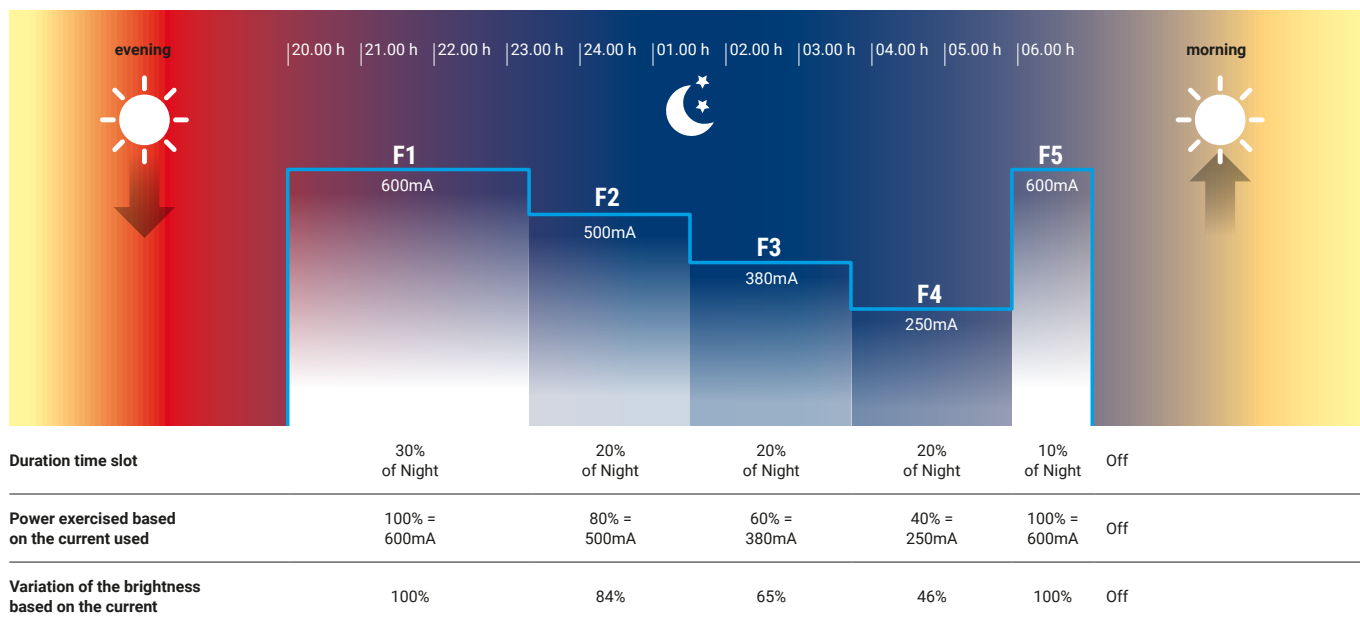
Shapes and sizes of the lamp post heads are different depending on the model or the version. Nevertheless, they have smooth surfaces and attractive shapes in common, characteristics that allow the accumulation of dirt or debris to be avoided, reducing any maintenance operations.

Autocontrol system



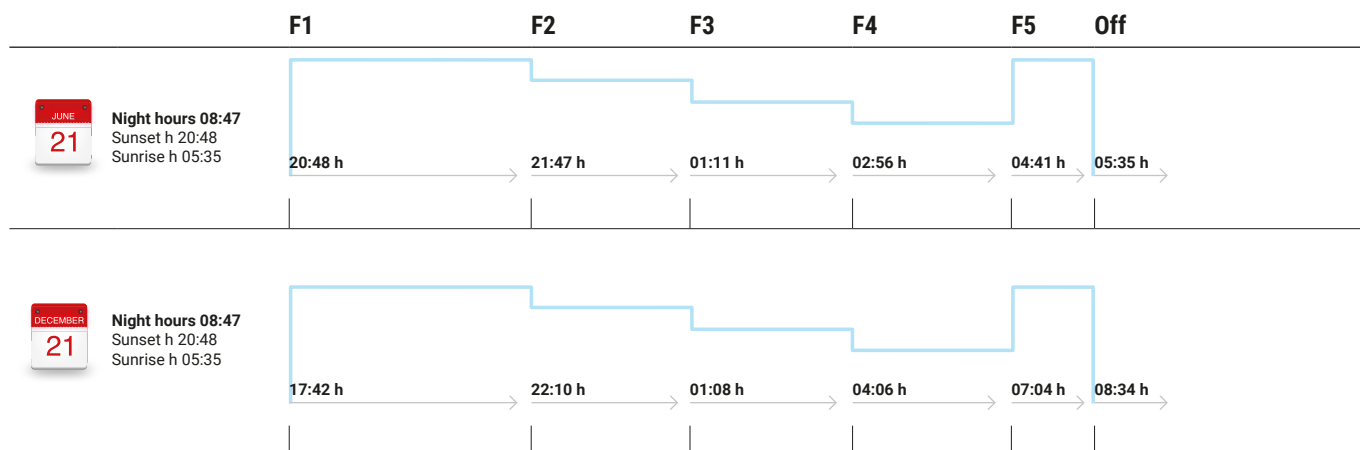
Autonomous lamp post head

The Autocontrol system makes it so that autonomous street lights are able to automatically adjust the luminous flow based on the selected programming depending on the technical lighting needs. The system works in combination with a timer or a twilight switch upstream of the system which determines the daily hours of operation. Generally, the operating time is divided into 5 time slots, proportional in percentage to the duration of the night. This time is stored by the power supply and used to determine the hours of operation in the various time slots of the following day.



Examples of operation

Dimming varies according to the season of the year and latitude of the location. Below are two examples of operation in periods of the year that differ in number of night hours. With the Autocontrol system, a daily energy savings can be achieved that varies between 20% and 25%.



Pedestrian crossing system



Lighting for pedestrian crossings

The EN 13201-2:2003 and the national guidelines recommend additional local and specific lighting of pedestrian crossings to guarantee an effective contrast of the pedestrian on the street surface. As drivers approach the pedestrian crossing, they must be able to distinguish a pedestrian clearly without any glare. The lighting on the vertical plane must be significantly greater than on the horizontal plane. Linea Light Group has designed a compliant, efficient and high performance solution thanks to the use of LED combined with specifically designed asymmetrical optics. The lamp post heads with P.C. (pedestrian crossing) optics system are the perfect solution for lighting pedestrian crossings.

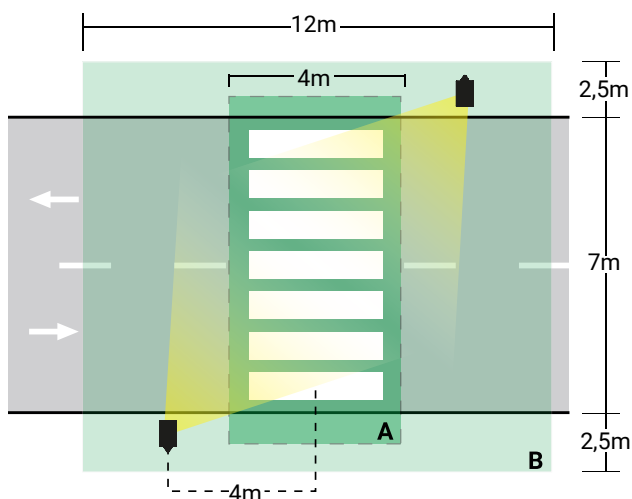


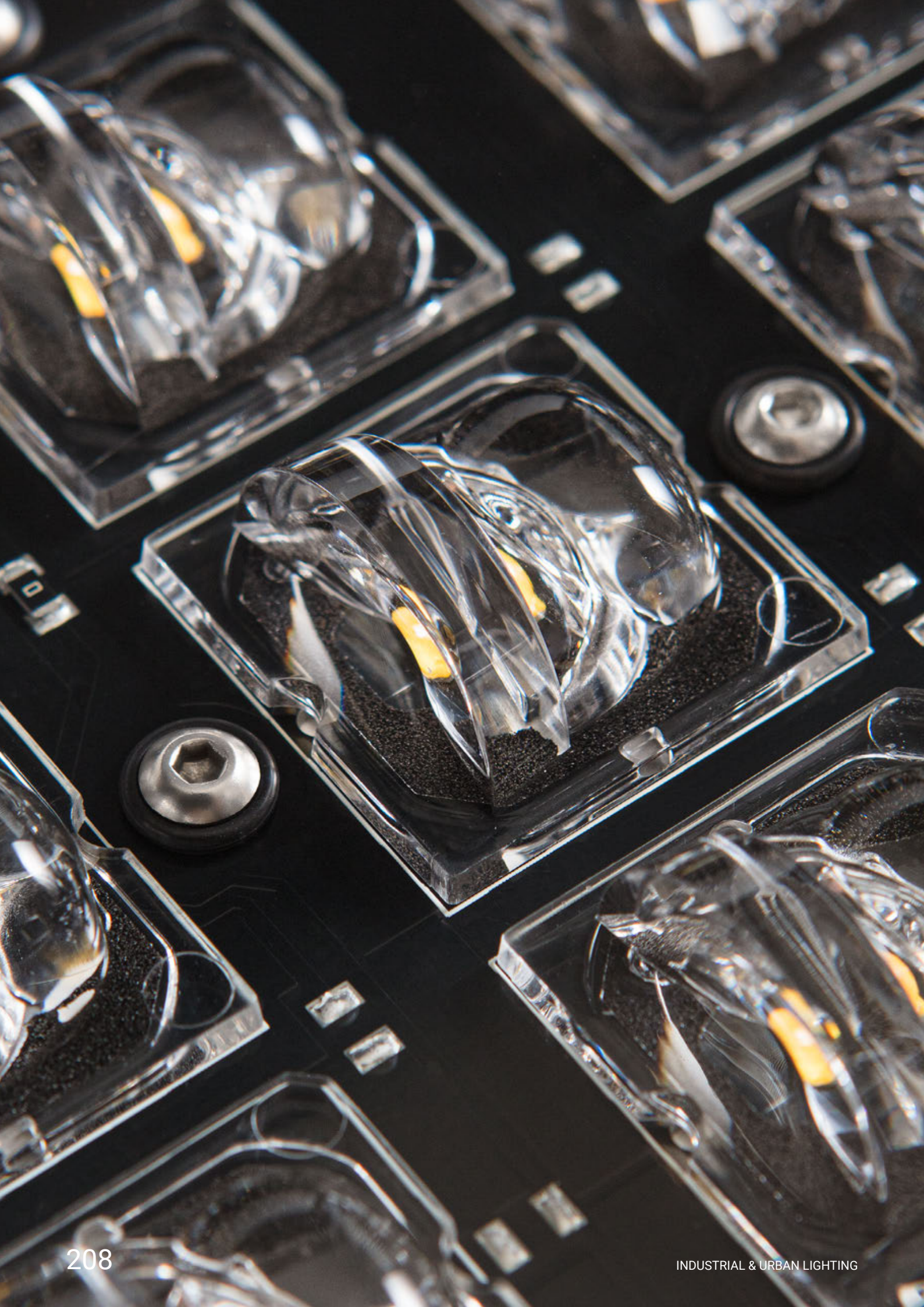
Safety, efficiency, comfort

One out of every four fatal car accidents in which pedestrians are involved takes place on pedestrian crossings. A recent study conducted in Europe showed that one crossing out of five is not safely lit. Obviously, better and compliant lighting could prevent many accidents.

Linea Light Group, using technical know-how accumulated over many years of experience, presents a range of fixtures designed specifically for correct lighting of pedestrian crossings thanks to the use of highly efficient LEDs combined with special optics. Performance, efficiency and visual comfort are the main characteristics of our light fixtures.

The P.C. optics system directs the light toward the centre of the pedestrian crossing (zone A) and toward the area that surrounds the zebra stripes (zone B), thereby guaranteeing maximum safety and facilitating the view from a distance of the pedestrians on the crossing and curbside.







Optics overview

i-LèD fixtures are fitted with highly efficient optics. A wide range of available optics in order to be able to meet all the technical lighting needs depending on the application location.

Different types of optics made in PMMA with high resistance to temperature and UV rays. Optics conceived to be combined with latest generation, extremely high efficiency LEDs characterised by a very long lifespan.

mini parker

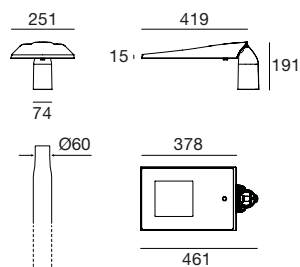
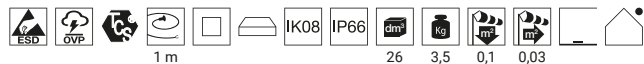
Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.





Mini Parker | Street & Urban | powerLED | 198-264 V AC



12 LED - 21 W DC - 22 W AC

	Cct	lm S - D	Optic
Anthracite 84458	A 2200	2109 - On req	72 Street
Light grey 84459	W 3000	2988 - On req	73 Urban

Autocontrol System

Anthracite 84460	N 4000	3767 - On req	79 Park
Light grey 84461			

24 LED - 34 W DC - 36 W AC

	Cct	lm S - D	Optic
Anthracite 84462	A 2200	3623 - On req	72 Street
Light grey 84463	W 3000	5112 - On req	73 Urban

Autocontrol System

Anthracite 84464	N 4000	6428 - On req	79 Park
Light grey 84465			

24 LED - 41,5 W DC - 44 W AC

	Cct	lm S - D	Optic
Anthracite 84466	A 2200	4217 - On req	72 Street
Light grey 84467	W 3000	5976 - On req	73 Urban

Autocontrol System

Anthracite 84468	N 4000	7534 - On req	79 Park
Light grey 84469			

36 LED - 52 W DC - 55 W AC

	Cct	lm S - D	Optic
Anthracite 84470	A 2200	5434 - On req	72 Street
Light grey 84471	W 3000	7768 - On req	73 Urban

Autocontrol System

Anthracite 84472	N 4000	9643 - On req	79 Park
Light grey 84473			

36 LED - 63 W DC - 66 W AC

	Cct	lm S - D	Optic
Anthracite 84474	A 2200	6326 - On req	72 Street
Light grey 84475	W 3000	8964 - On req	73 Urban

Autocontrol System

Anthracite 84476	N 4000	11300 - On req	79 Park
Light grey 84477			

36 LED - 71,5 W DC - 75 W AC

	Cct	lm S - D	Optic
Anthracite 84478	A 2200	6957 - On req	72 Street
Light grey 84479	W 3000	9925 - On req	73 Urban

Autocontrol System

Anthracite 84480	N 4000	12491 - On req	79 Park
Light grey 84481			

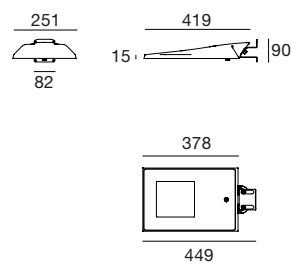
36 LED - 84 W DC - 90 W AC

	Cct	lm S - D	Optic
Anthracite 84567	A 2200	7920 - On req	72 Street
Light grey 84568	W 3000	11448 - On req	73 Urban

Autocontrol System

Anthracite 84569	N 4000	14400 - On req	79 Park
Light grey 84570			

Mini Parker Wall | Street & Urban | powerLED | 198-264 V AC



12 LED - 21 W DC - 22 W AC

	Cct	lm S - D	Optic
Anthracite 84482	A 2200	2109 - On req	72 Street
Light grey 84483	W 3000	2988 - On req	73 Urban

Autocontrol System

Anthracite 84484	N 4000	3767 - On req	79 Park
Light grey 84485			

24 LED - 34 W DC - 36 W AC

	Cct	lm S - D	Optic
Anthracite 84486	A 2200	3623 - On req	72 Street
Light grey 84487	W 3000	5112 - On req	73 Urban

Autocontrol System

Anthracite 84488	N 4000	6428 - On req	79 Park
Light grey 84489			

24 LED - 41,5 W DC - 44 W AC

	Cct	lm S - D	Optic
Anthracite 84490	A 2200	4217 - On req	72 Street
Light grey 84491	W 3000	5976 - On req	73 Urban

Autocontrol System

Anthracite 84492	N 4000	7534 - On req	79 Park
Light grey 84493			

36 LED - 52 W DC - 55 W AC

	Cct	lm S - D	Optic
Anthracite 84494	A 2200	5434 - On req	72 Street
Light grey 84495	W 3000	7768 - On req	73 Urban

Autocontrol System

Anthracite 84496	N 4000	9643 - On req	79 Park
Light grey 84497			

36 LED - 63 W DC - 66 W AC

	Cct	lm S - D	Optic
Anthracite 84498	A 2200	6326 - On req	72 Street
Light grey 84499	W 3000	8964 - On req	73 Urban

Autocontrol System

Anthracite 84500	N 4000	11300 - On req	79 Park
Light grey 84501			

36 LED - 71,5 W DC - 75 W AC

	Cct	lm S - D	Optic
Anthracite 84502	A 2200	6957 - On req	72 Street
Light grey 84503	W 3000	9925 - On req	73 Urban

Autocontrol System

Anthracite 84504	N 4000	12491 - On req	79 Park
Light grey 84505			

36 LED - 84 W DC - 90 W AC

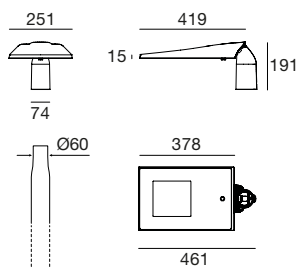
	Cct	lm S - D	Optic
Anthracite 84571	A 2200	7920 - On req	72 Street
Light grey 84572	W 3000	11448 - On req	73 Urban

Autocontrol System

Anthracite 84573	N 4000	14400 - On req	79 Park
Light grey 84574			



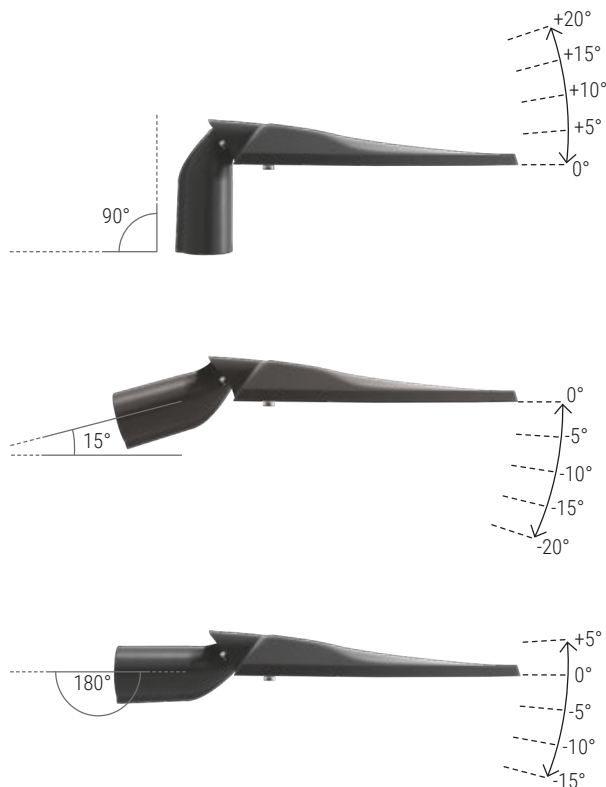
Mini Parker PC | Street & Urban | powerLED | 198-264 V AC



8 LED - 53 W DC - 58 W AC		Cct	lm S - D	Optic
Anthracite	92370	A 2200	5655 - On req	78 Pedestrian Cros.
Light grey	92371	W 3000	7949 - On req	
		N 4000	8523 - On req	
		C 5000	8523 - On req	

Posts and accessories Pag. 254

Head adjustment



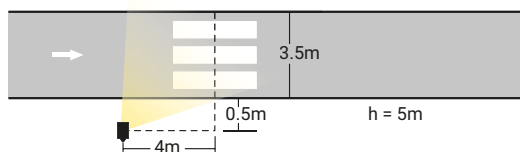
Optic 78 Pedestrian Crossing



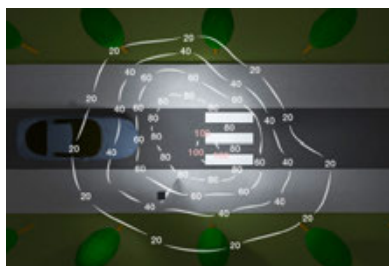
Pedestrian crossings can be illuminated using a post for each driving direction. Unlike central lighting, the use of posts lateral to the pedestrian crossing allows people to be illuminated vertically and allows better visibility of them. The following examples illustrate the average horizontal lighting, calculated on the pedestrian passage.

One lane and one-way

In the case of crossings on one-way streets, the use of only one fixture is sufficient, which lights the crossing in the driving direction.



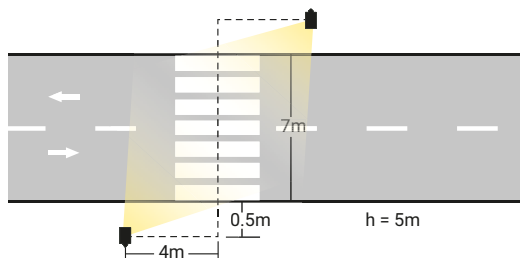
Single post - Mini Parker P.C.



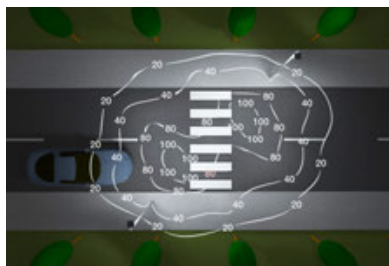
Number of fixtures	1
Number of LEDs	8
Fixture power	58W
Vertical plane min. LUX	30 lux

Two lanes two-way

In the case of two directions of travel, the posts are installed on the two sides of the pedestrian crossing in order to ensure the correct lighting of the pedestrians for both driving directions.



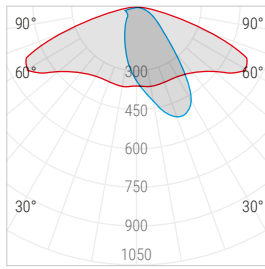
Double post - Mini Parker P.C.



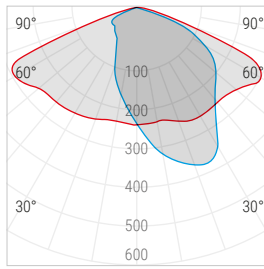
Number of fixtures	2
Number of LEDs	8 + 8
Fixture power	58W + 58W
Vertical plane min. LUX	30 lux

Photometric curves of Mini Parker 44W (84466)

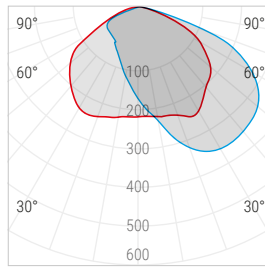
Mini Parker PC 58W (92370)



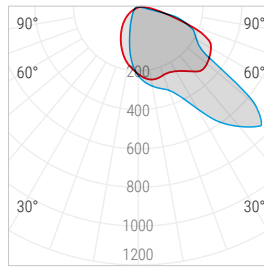
— C0/C180 — C90/C270
Optic 72 Street



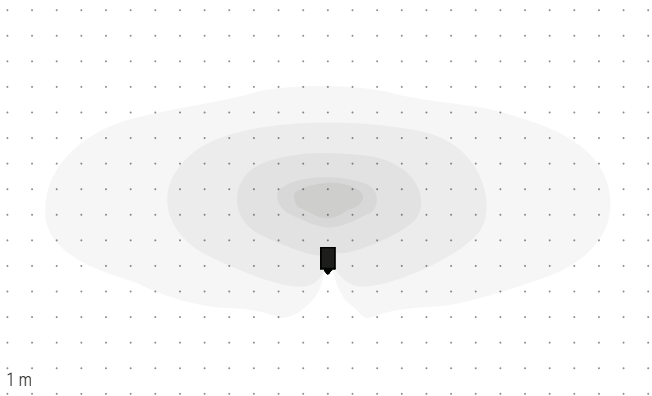
— C0/C180 — C90/C270
Optic 73 Urban



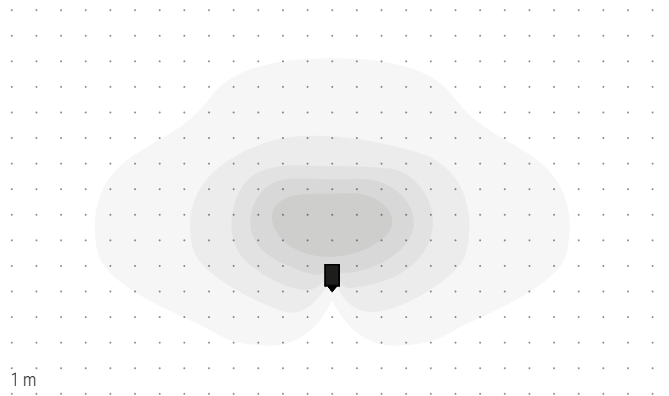
— C0/C180 — C90/C270
Optic 79 Park



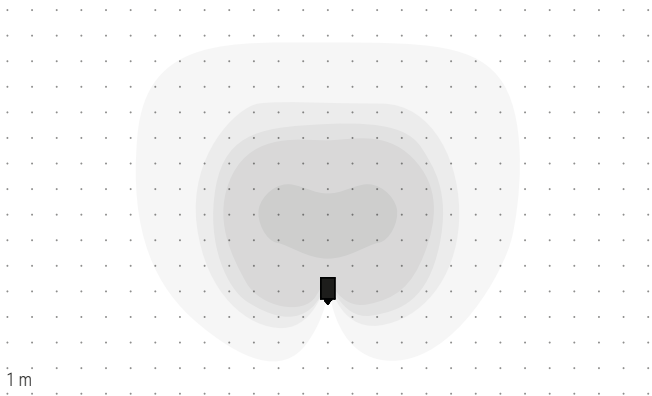
— C0/C180 — C90/C270
Optic 78 Pedestrian Crossing



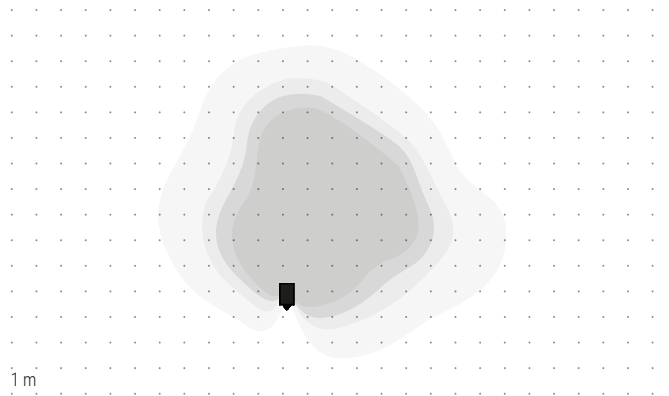
Optic 72 Street (installation h 6m)



Optic 73 Urban (installation h 6m)

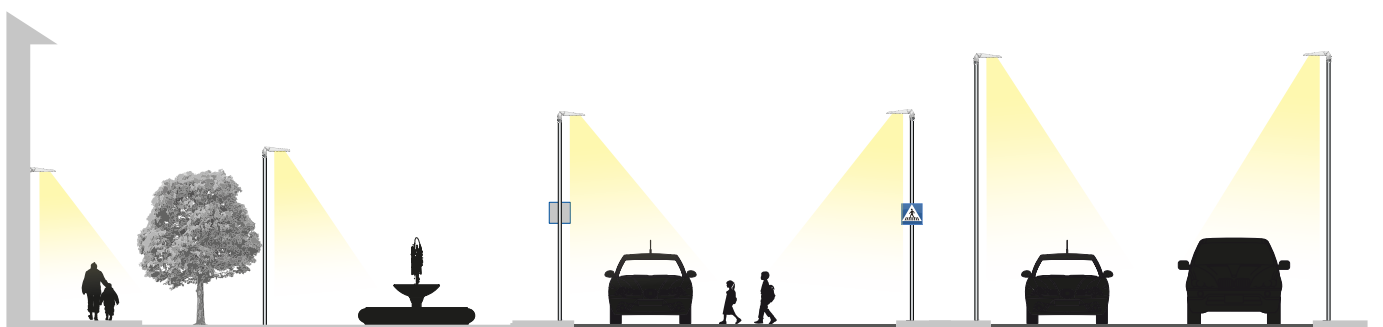


Optic 79 Park (installation h 6m)



Optic 78 Pedestrian Crossing (installation h 6m)

Post head suited and designed for street lighting, from secluded secondary roads to highly-trafficked urban superhighways; available in a pedestrian crossing version with dedicated 78 optics. Typical installation between 6m and 8m in height.







parker

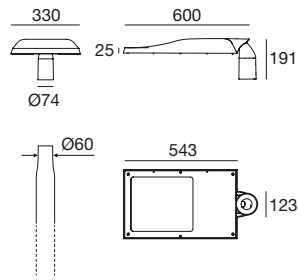
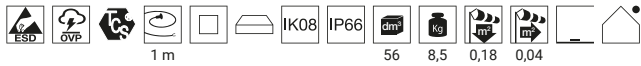
Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.





Parker | Street & Urban | powerLED | 198-264 V AC



48 LED - 91 W DC - 100 W AC		Cct	lm S - D	Optic
Anthracite	84506	A 2200	9001 - On req	72 Street
Light grey	84507	W 3000	12820 - On req	73 Urban
Autocontrol System		N 4000	16134 - On req	79 Park
Anthracite	84508			
Light grey	84509			

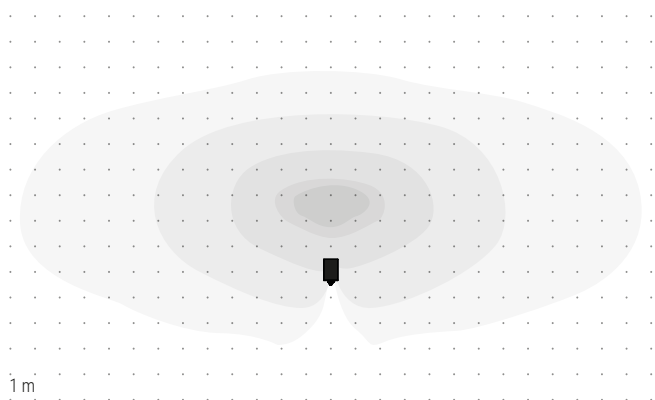
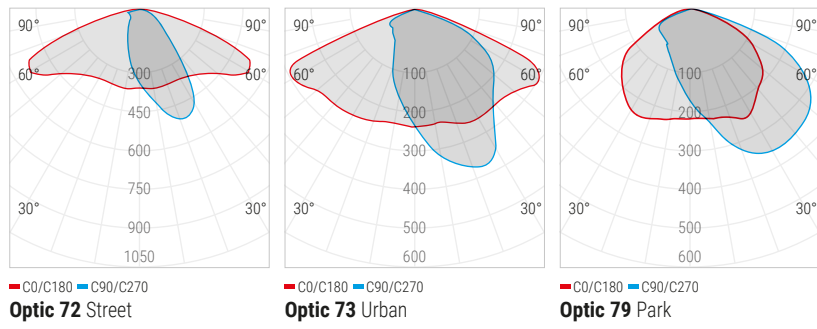
60 LED - 110 W DC - 120 W AC		Cct	lm S - D	Optic
Anthracite	84510	A 2200	10898 - On req	72 Street
Light grey	84511	W 3000	15496 - On req	73 Urban
Autocontrol System		N 4000	19501 - On req	79 Park
Anthracite	84512			
Light grey	84513			

72 LED - 133 W DC - 145 W AC		Cct	lm S - D	Optic
Anthracite	84514	A 2200	13077 - On req	72 Street
Light grey	84515	W 3000	18595 - On req	73 Urban
Autocontrol System		N 4000	23401 - On req	79 Park
Anthracite	84516			
Light grey	84517			

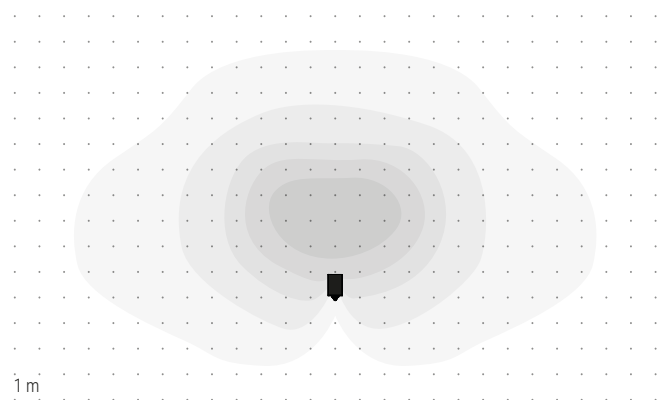
96 LED - 149 W DC - 160 W AC		Cct	lm S - D	Optic
Anthracite	84518	A 2200	15219 - On req	72 Street
Light grey	84519	W 3000	21504 - On req	73 Urban
Autocontrol System		N 4000	27060 - On req	79 Park
Anthracite	84520			
Light grey	84521			

Posts and accessories Pag. 254

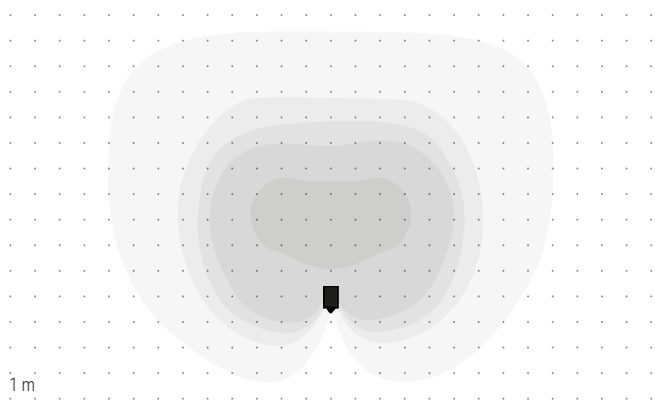
Photometric curves of Parker 120W (84510)



Optic 72 Street (installation h 8m)



Optic 73 Urban (installation h 8m)



Optic 79 Park (installation h 8m)

Powerful post head, designed to light wider roads with multiple lanes, highly-trafficked roads, or in relamping cases where there are constraints due to significant distance between posts. Ideal installation between 8m and up to 12m in height.







ledweg

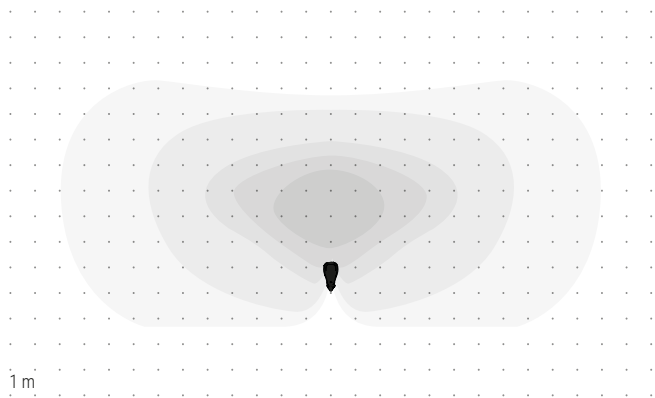
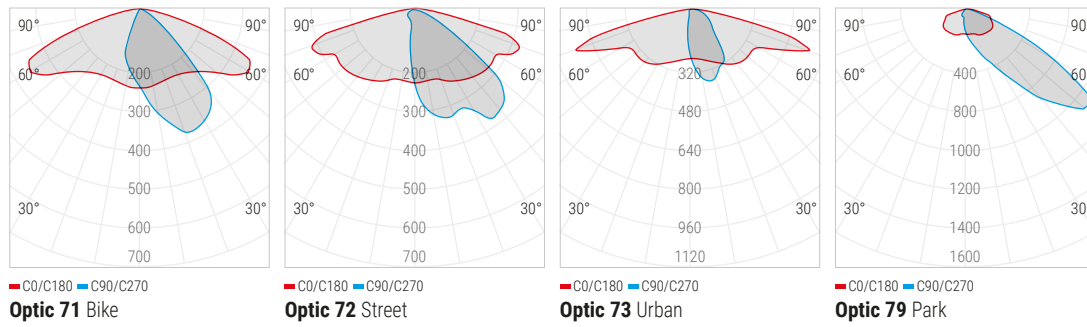
Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

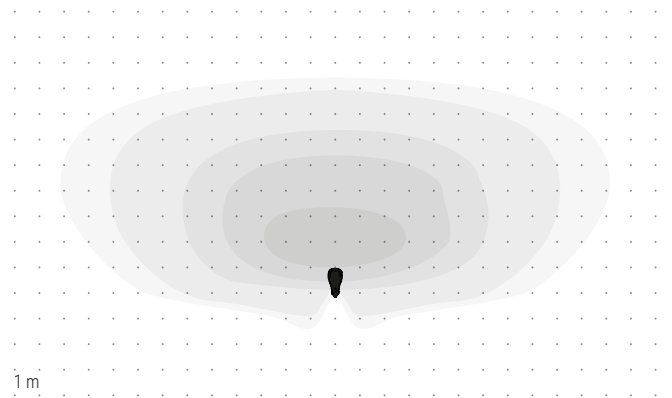




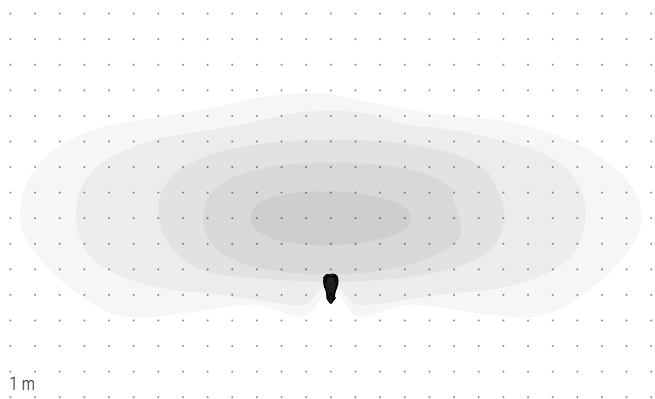
Photometric curves of Ledweg 40W (92163)



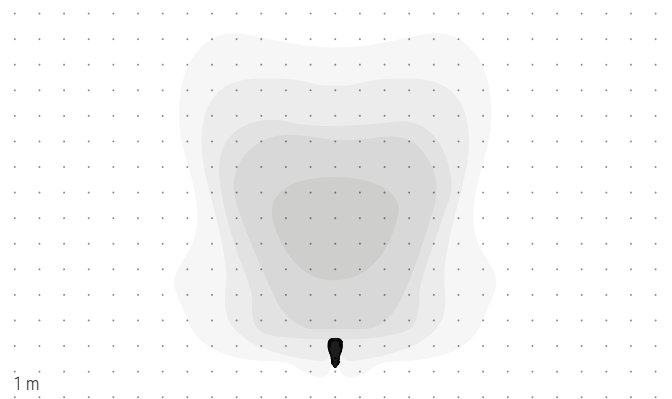
Optic 71 Bike (installation h 6m)



Optic 72 Street (installation h 6m)



Optic 73 Urban (installation h 6m)



Optic 79 Park (installation h 6m)

Post head suited and designed for street lighting, from secluded secondary roads to highly-trafficked urban superhighways. Typical installation between 6m and 8m in height.





drop

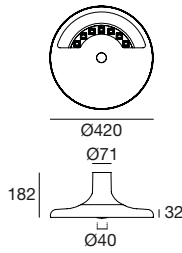
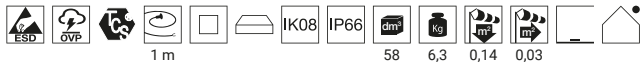
Materials

Body in die-cast aluminium ENAB-46100.

Extra-clear tempered glass or sand-blasted glass diffuser.



Drop | Street & Urban | powerLED | 198-264 V AC



3 LED - 23 W DC - 26 W AC		Cct	lm S - D	Optic
Anthracite	93164	A 2200	2339 - On req	71 Bike
Light grey	93169	W 3000	3278 - On req	72 Street
		N 4000	3515 - On req	73 Urban
		C 5000	3515 - On req	79 Park

4 LED - 31 W DC - 35 W AC		Cct	lm S - D	Optic
Anthracite	93162	A 2200	3118 - On req	71 Bike
Light grey	93163	W 3000	4371 - On req	72 Street
		N 4000	4686 - On req	73 Urban
		C 5000	4686 - On req	79 Park

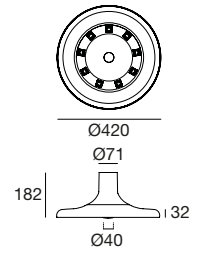
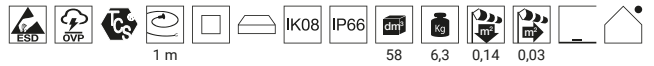
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic
Anthracite	93160	A 2200	3534 - On req	71 Bike
Light grey	93161	W 3000	4968 - On req	72 Street
Autocontrol System		N 4000	5327 - On req	73 Urban
Anthracite	93291	C 5000	5327 - On req	79 Park
Light grey	93292			

6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic
Anthracite	93145	A 2200	4241 - On req	71 Bike
Light grey	93159	W 3000	5962 - On req	72 Street
Autocontrol System		N 4000	6392 - On req	73 Urban
Anthracite	93289	C 5000	6392 - On req	79 Park
Light grey	93290			

7 LED - 49 W DC - 54 W AC		Cct	lm S - D	Optic
Anthracite	93143	A 2200	4948 - On req	71 Bike
Light grey	93144	W 3000	6955 - On req	72 Street
Autocontrol System		N 4000	7457 - On req	73 Urban
Anthracite	93287	C 5000	7457 - On req	79 Park
Light grey	93288			

Posts and accessories Pag. 254

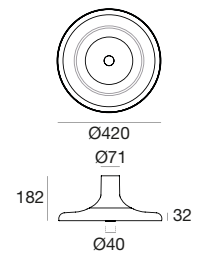
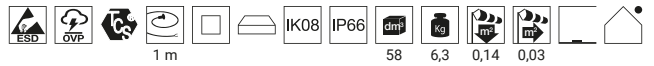
Drop | Street & Urban | powerLED | 198-264 V AC



9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	92991	A 2200	6361 - On req	00 Diffused
Light grey	92992	W 3000	8942 - On req	
Autocontrol System		N 4000	9588 - On req	
Anthracite	93283	C 5000	9588 - On req	
Light grey	93284			

Posts and accessories Pag. 254

Drop | Street & Urban | topLED | 198-264 V AC

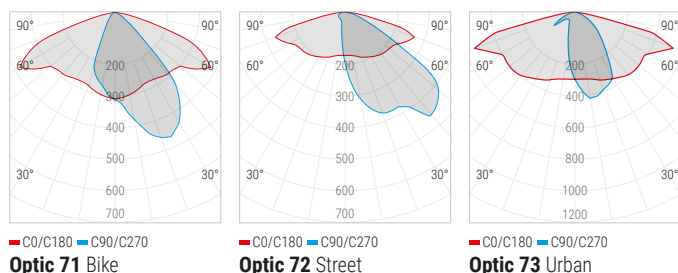


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	80911	A 2200	7182 - On req	00 Diffused
Light grey	80912	W 3000	8672 - On req	
Autocontrol System		N 4000	8996 - On req	
Anthracite	80915	C 5000	8996 - On req	
Light grey	80916			

216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic
Anthracite	80945	A 2200	8510 - On req	00 Diffused
Light grey	80946	W 3000	10303 - On req	
Autocontrol System		N 4000	10670 - On req	
Anthracite	80947	C 5000	10670 - On req	
Light grey	80948			

Posts and accessories Pag. 254

Photometric curves of Drop 40W (93160)

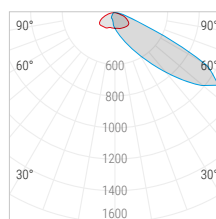


— C0/C180 — C90/C270
Optic 71 Bike

— C0/C180 — C90/C270
Optic 72 Street

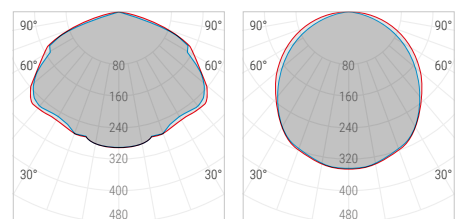
— C0/C180 — C90/C270
Optic 73 Urban

Drop 71W (92991)



— C0/C180 — C90/C270
Optic 79 Park

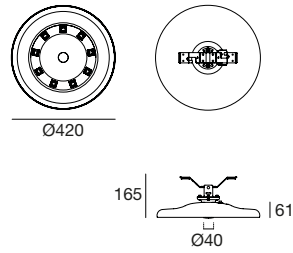
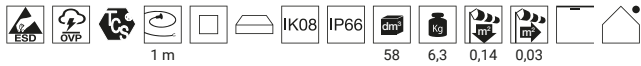
Drop 55W (80911)



— C0/C180 — C90/C270
Optic 00 Diffused

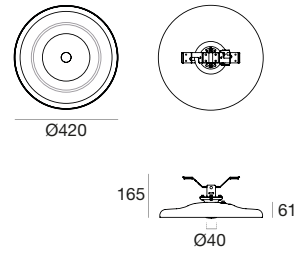
— C0/C180 — C90/C270
Optic 00 Diffused

Drop Air | Street & Urban | powerLED | 198-264 V AC



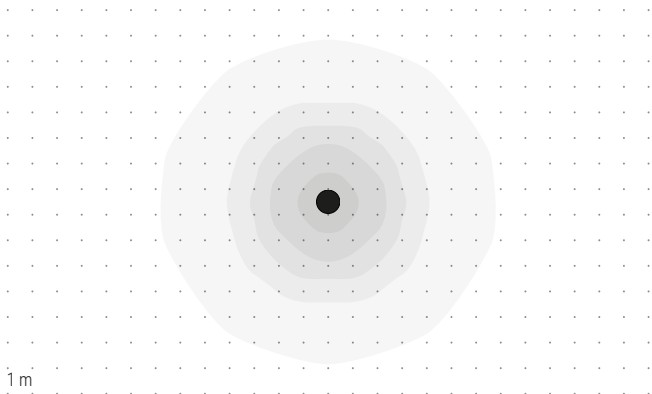
9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	92987	A 2200	6361 - On req	00 Diffused
Light grey	92988	W 3000	8942 - On req	
Autocontrol System		N 4000	9588 - On req	
Anthracite	93350	C 5000	9588 - On req	
Light grey	93351			

Drop Air | Street & Urban | topLED | 198-264 V AC

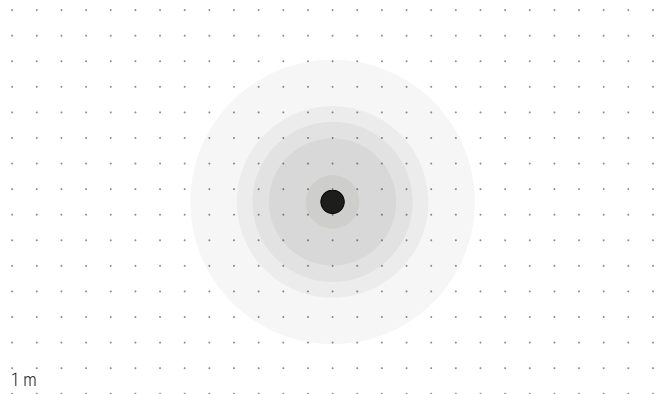


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	80917	A 2200	7182 - On req	00 Diffused
Light grey	80918	W 3000	8672 - On req	
Autocontrol System		N 4000	8996 - On req	
Anthracite	80919	C 5000	8996 - On req	
Light grey	80920			

216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic
Anthracite	80937	A 2200	8510 - On req	00 Diffused
Light grey	80938	W 3000	10303 - On req	
Autocontrol System		N 4000	10670 - On req	
Anthracite	80939	C 5000	10670 - On req	
Light grey	80940			



Optic 00 Diffused | powerLED (installation h 6m)



Optic 00 Diffused | topLED (installation h 6m)

Ideal for street lighting and as street furniture in parks, car parks, footpaths, and cycle paths. Also available in a tension in-stallation version, ideal for street furniture and footpath applications. Ideal installation between 4m and up to 8m in height.





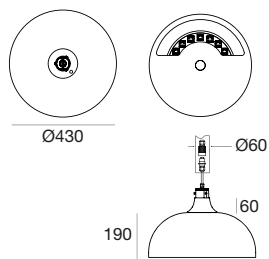
fosten

Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass or sand-blasted glass diffuser.



Fosten | Street & Urban | powerLED | 198-264 V AC



3 LED - 23 W DC - 26 W AC		Cct	lm S - D	Optic
Anthracite	82992	A 2200	2339 - On req	71 Bike
Light grey	82993	W 3000	3278 - On req	72 Street
		N 4000	3515 - On req	73 Urban
		C 5000	3515 - On req	79 Park

4 LED - 31 W DC - 35 W AC		Cct	lm S - D	Optic
Anthracite	82994	A 2200	3118 - On req	71 Bike
Light grey	82995	W 3000	4371 - On req	72 Street
		N 4000	4686 - On req	73 Urban
		C 5000	4686 - On req	79 Park

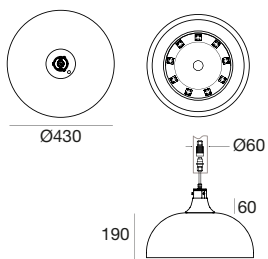
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic
Anthracite	82996	A 2200	3534 - On req	71 Bike
Light grey	82997	W 3000	4968 - On req	72 Street
Autocontrol System		N 4000	5327 - On req	73 Urban
Anthracite	82998	C 5000	5327 - On req	79 Park
Light grey	82999			

6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic
Anthracite	83501	A 2200	4241 - On req	71 Bike
Light grey	83502	W 3000	5962 - On req	72 Street
Autocontrol System		N 4000	6392 - On req	73 Urban
Anthracite	83503	C 5000	6392 - On req	79 Park
Light grey	83504			

7 LED - 49 W DC - 54 W AC		Cct	lm S - D	Optic
Anthracite	83505	A 2200	4948 - On req	71 Bike
Light grey	83506	W 3000	6955 - On req	72 Street
Autocontrol System		N 4000	7457 - On req	73 Urban
Anthracite	83507	C 5000	7457 - On req	79 Park
Light grey	83508			

Posts and accessories Pag. 254

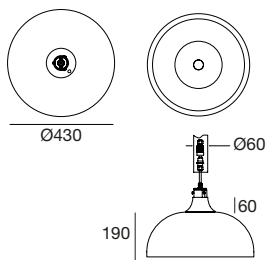
Fosten | Street & Urban | powerLED | 198-264 V AC



9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	83509	A 2200	6361 - On req	00 Diffused
Light grey	83510	W 3000	8942 - On req	
Autocontrol System		N 4000	9588 - On req	
Anthracite	83511	C 5000	9588 - On req	
Light grey	83512			

Posts and accessories Pag. 254

Fosten | Street & Urban | topLED | 198-264 V AC

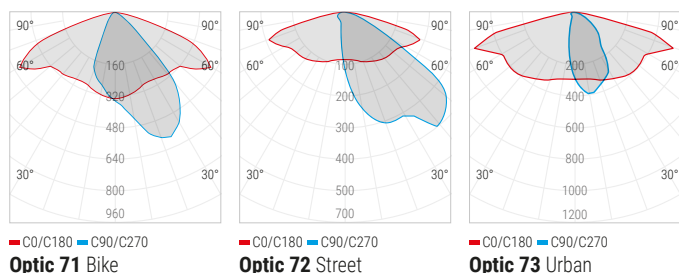


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	83513	A 2200	7182 - On req	00 Diffused
Light grey	83514	W 3000	8672 - On req	
Autocontrol System		N 4000	8996 - On req	
Anthracite	83515	C 5000	8996 - On req	
Light grey	83516			

216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic
Anthracite	83517	A 2200	8510 - On req	00 Diffused
Light grey	83518	W 3000	10303 - On req	
Autocontrol System		N 4000	10670 - On req	
Anthracite	83519	C 5000	10670 - On req	
Light grey	83520			

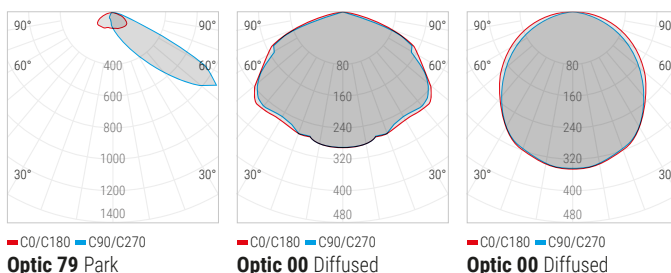
Posts and accessories Pag. 254

Photometric curves of Fosten 40W (82996)



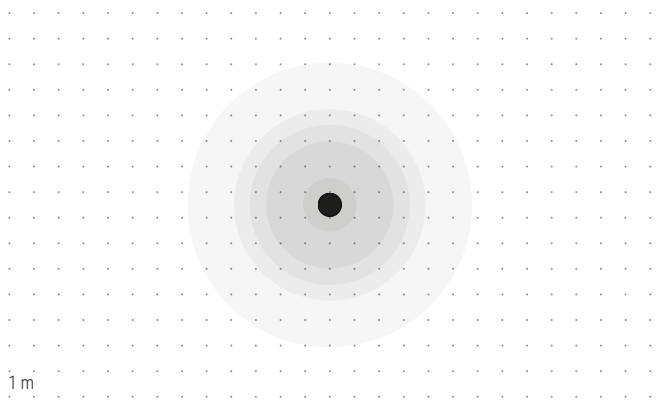
Fosten 71W (83509)

Fosten 55W (83513)

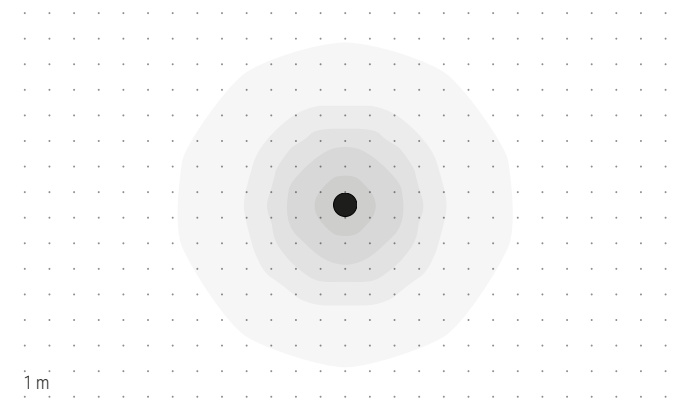




Private project

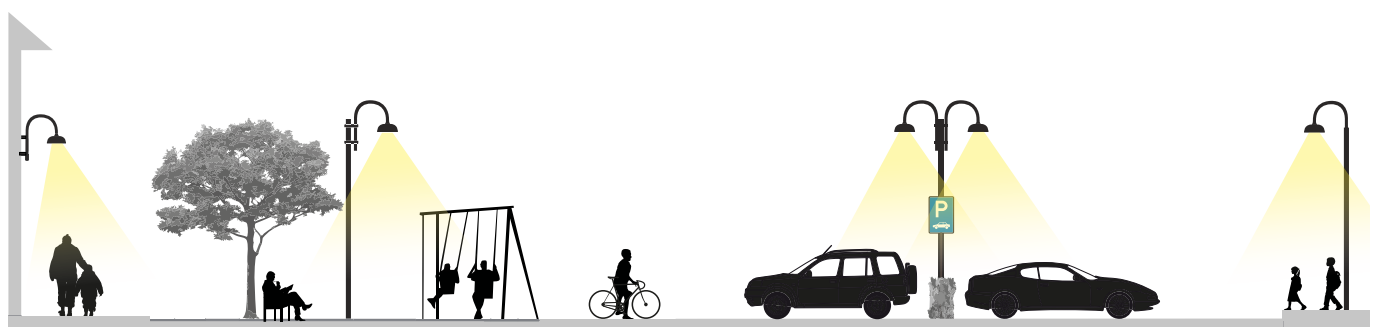


Optic 00 Diffused | topLED (installation h 6m)



Optic 00 Diffused | powerLED (installation h 6m)

Suited to street lighting, car parks, and as street furniture in car parks, footpaths, and cycle paths.
Ideal installation between 4m and up to 8m in height.



Street & urban lighting

fabula

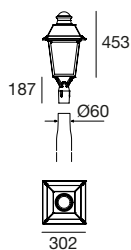
Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear glass diffuser.





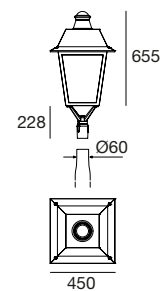
Fabula | Street & Urban | powerLED | 190-250 V AC



18 LED - 22 W DC - 25 W AC		Cct	lm S - D	Optic
Black	82401	A 2200	2484 - 829	00 Diffused
		W 3000	3491 - 1165	07 Asymm.
		N 4000	3726 - 1242	

Posts and accessories Pag. 254

Fabula | Street & Urban | powerLED | 190-250 V AC

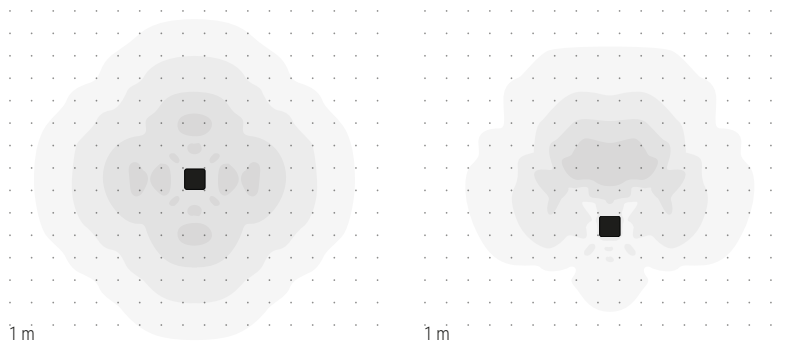
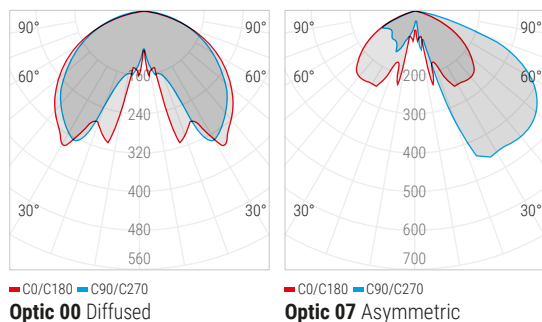


36 LED - 40 W DC - 43 W AC		Cct	lm S - D	Optic
Black	82403	A 2200	4338 - 1477	00 Diffused
		W 3000	6144 - 2075	07 Asymm.
		N 4000	6540 - 2216	

36 LED - 52 W DC - 58 W AC		Cct	lm S - D	Optic
Black	82402	A 2200	5436 - 1842	00 Diffused
		W 3000	7664 - 2588	07 Asymm.
		N 4000	8160 - 3730	

Posts and accessories Pag. 254

Photometric curves of Fabula 25W (82401)



Optic 00 Diffused (installation h 6m)

Optic 07 Asymmetric (installation h 6m)

Ideal as street furniture in historic town centres, squares, and footpaths.
 Ideal installation between 4m and up to 7m in height.



Sodium vapour 1800 K



Ancient white 2200 K



voyager

Materials

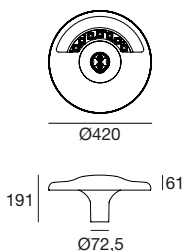
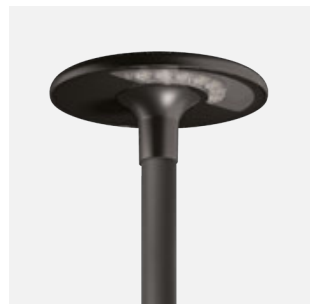
Body in die-cast aluminium ENAB-46100.

Extra-clear tempered glass or sand-blasted glass diffuser.





Voyager | Street & Urban | powerLED | 198-264 V AC



3 LED - 23 W DC - 26 W AC		Cct	lm S - D	Optic
Anthracite	93188	A 2200	2339 - On req	71 Bike
Light grey	93189	W 3000	3278 - On req	72 Street
		N 4000	3515 - On req	73 Urban
		C 5000	3515 - On req	79 Park

4 LED - 31 W DC - 35 W AC		Cct	lm S - D	Optic
Anthracite	93186	A 2200	3118 - On req	71 Bike
Light grey	93187	W 3000	4371 - On req	72 Street
		N 4000	4686 - On req	73 Urban
		C 5000	4686 - On req	79 Park

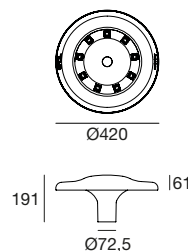
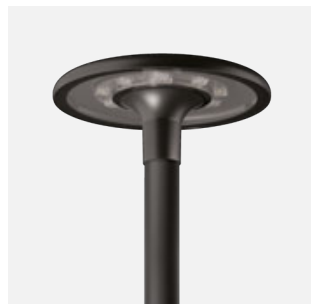
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic
Anthracite	93184	A 2200	3534 - On req	71 Bike
Light grey	93185	W 3000	4968 - On req	72 Street
Autocontrol System		N 4000	5327 - On req	73 Urban
Anthracite	93332	C 5000	5327 - On req	79 Park
Light grey	93336			

6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic
Anthracite	93182	A 2200	4241 - On req	71 Bike
Light grey	93183	W 3000	5962 - On req	72 Street
Autocontrol System		N 4000	6392 - On req	73 Urban
Anthracite	93324	C 5000	6392 - On req	79 Park
Light grey	93328			

7 LED - 49 W DC - 54 W AC		Cct	lm S - D	Optic
Anthracite	93174	A 2200	4948 - On req	71 Bike
Light grey	93181	W 3000	6955 - On req	72 Street
Autocontrol System		N 4000	7457 - On req	73 Urban
Anthracite	93312	C 5000	9588 - On req	79 Park
Light grey	93313			

Posts and accessories Pag. 254

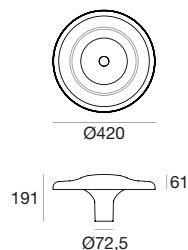
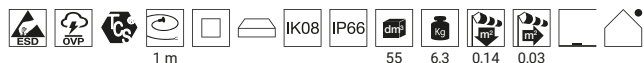
Voyager | Street & Urban | powerLED | 198-264 V AC



9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	93170	A 2200	6361 - On req	00 Diffused
Light grey	93171	W 3000	8942 - On req	
Autocontrol System		N 4000	9588 - On req	
Anthracite	93293	C 5000	9588 - On req	
Light grey	93294			

Posts and accessories Pag. 254

Voyager | Street & Urban | topLED | 198-264 V AC

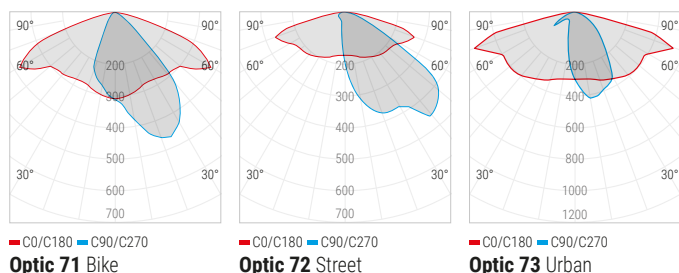


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	80909	A 2200	7182 - On req	00 Diffused
Light grey	80910	W 3000	8672 - On req	
Autocontrol System		N 4000	8996 - On req	
Anthracite	80913	C 5000	8996 - On req	
Light grey	80914			

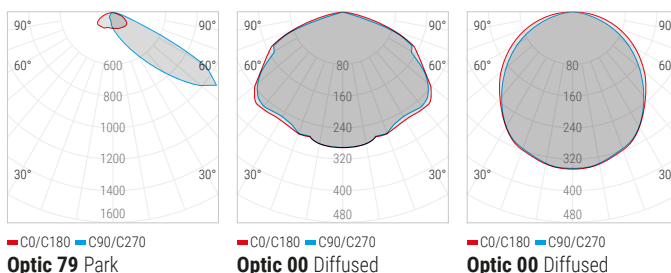
216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic
Anthracite	80953	A 2200	8510 - On req	00 Diffused
Light grey	80954	W 3000	10303 - On req	
Autocontrol System		N 4000	10670 - On req	
Anthracite	80955	C 5000	10670 - On req	
Light grey	80956			

Posts and accessories Pag. 254

Photometric curves of Voyager 40W (93184)

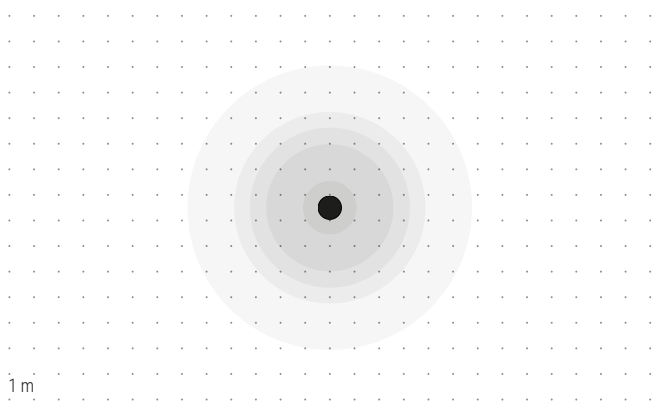


Voyager 71W (93170) Voyager 55W (80909)

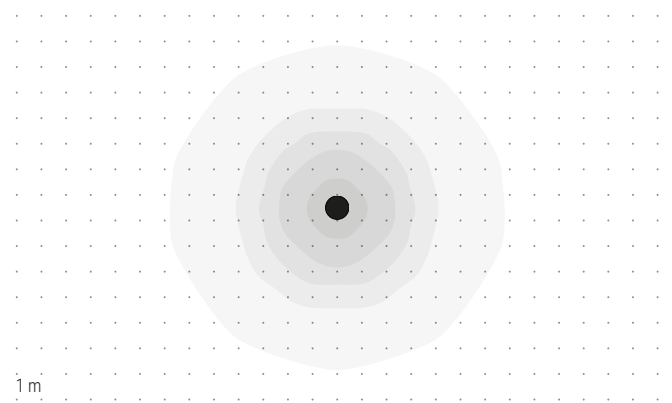




Private project



Optic 00 Diffused | topLED (installation h 6m)



Optic 00 Diffused | powerLED (installation h 6m)

Suited to use as street furniture, ideal to light public parks, car parks, and footpaths.
Ideal installation between 4m and up to 8m in height.



Street & urban lighting

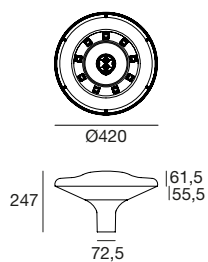
enterprise

Materials

Body in die-cast aluminium ENAB-46100.
Transparent polycarbonate or opaline diffuser.



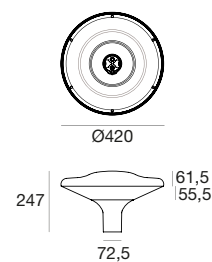
Enterprise | Street & Urban | powerLED | 198-264 V AC



9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	93190	A 2200	6361 - On req	00 Diffused
Light grey	93197	W 3000	8942 - On req	
Autocontrol System		N 4000	9588 - On req	
Anthracite	93340	C 5000	9588 - On req	
Light grey	93343			

Posts and accessories Pag. 254

Enterprise | Street & Urban | topLED | 198-264 V AC

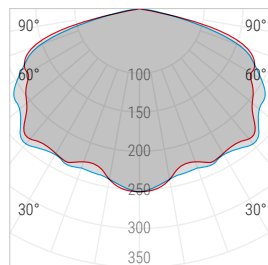


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	80921	A 2200	7182 - On req	00 Diffused
Light grey	80922	W 3000	8672 - On req	
Autocontrol System		N 4000	8996 - On req	
Anthracite	80923	C 5000	8996 - On req	
Light grey	80924			

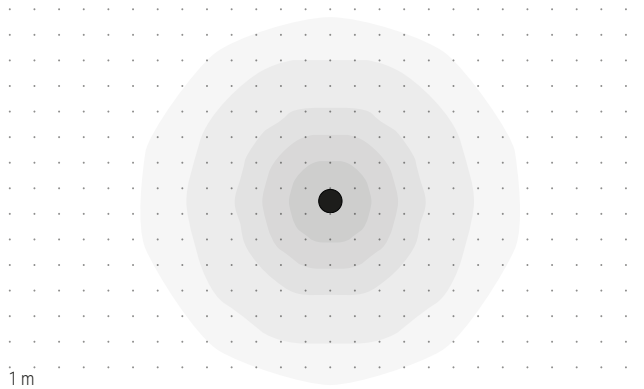
216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic
Anthracite	80961	A 2200	8510 - On req	00 Diffused
Light grey	80962	W 3000	10303 - On req	
Autocontrol System		N 4000	10670 - On req	
Anthracite	80963	C 5000	10670 - On req	
Light grey	80964			

Posts and accessories Pag. 254

Photometric curves of Enterprise 71W (93190)



Optic **00** Diffused



Optic **00** Diffused | powerLED (installation h 6m)

Suited to use as street furniture and ideal to light public parks, green spaces, and footpaths. Ideal installation between 4m and up to 6m in height.







ECO mini parker

Materials

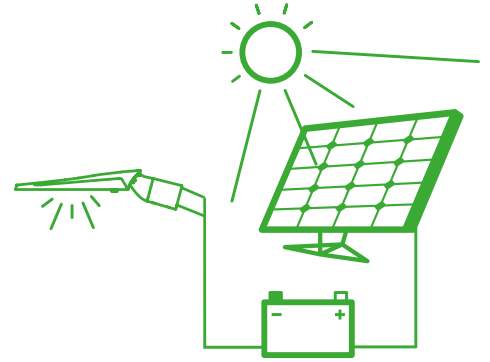
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.



ECO line system

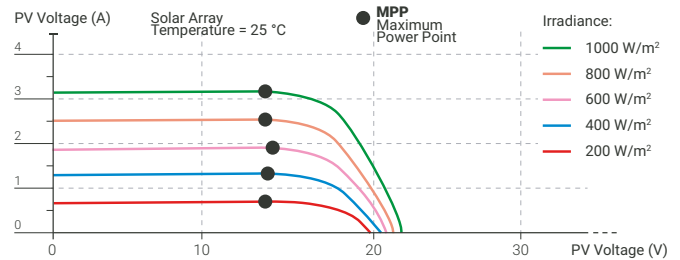
Ecology and savings

The EcoLine lighting systems allow areas without connections to electrical power to be lit. These systems have photovoltaic systems installed on poles associated with batteries that make the system entirely autonomous and therefore ideal for preventing high costs of digging and laying of electrical cables to run electricity to the areas that must be lit. Recommended for towns where streets or dark areas would require high costs to run electrical power. Ideal for private car parks, industrial plants, public gardens, street intersections, areas of environmentally scenic and/or archaeological interest. The lamp poles is autonomous, ecological, has no operating costs and is maintenance free. The fact that it is independent from the electrical grid also makes it suitable for safety purposes in places susceptible to electrical blackouts.



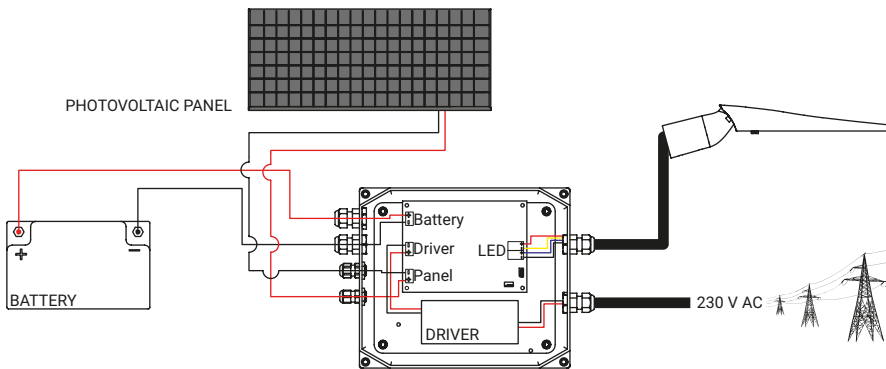
MPPT Controller

Charging regulator with MPPT technology, an acronym which stands for "Maximum Power Point Tracking". These are able to use all the power generated by the panel to charge the battery, unlike traditional PWM regulators that send a lower current to the battery. The battery will be charged with a current of 3.6A instead of just 2.6A which would be used by a traditional PWM regulator. Therefore the battery charge will be carried out with a current greater than 38%.



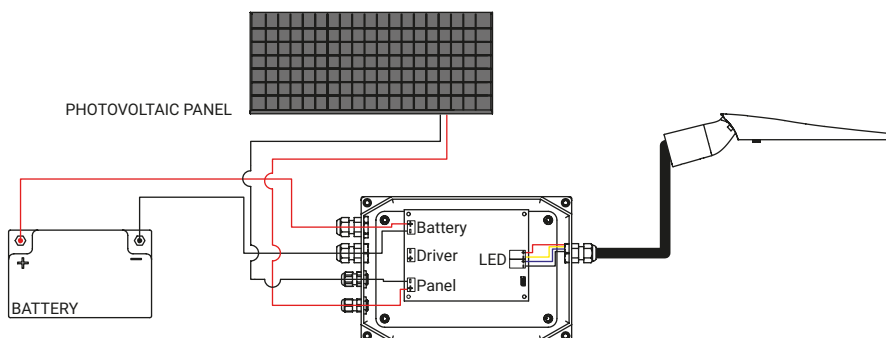
ECO line HYBRID

The EcoLine HYBRID system is made up of a module with photovoltaic cells that convert solar radiation into electrical energy, which is accumulated in a battery during the day and returned by night to power the LEDs. The power is supplied to the lamp by the included battery or the constant voltage driver (built-in or opportunely connected to the 230 Vac electrical mains). The latter can intervene in place of the battery when it is completely flat in order to ensure continuous lighting even with a completely drained battery.

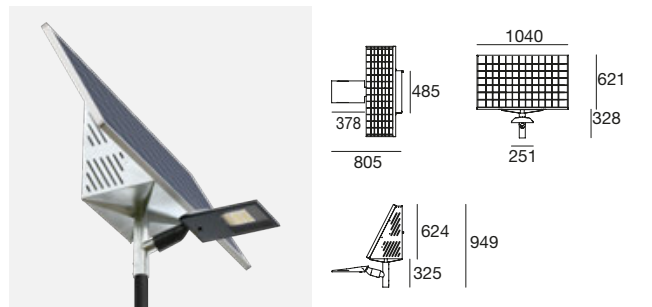


ECO line SOLAR

The EcoLine SOLAR system is made up of a module with photovoltaic cells that convert solar radiation into electrical energy, which is accumulated in a battery during the day and returned by night to power the LEDs. The lamp is therefore powered only by the included battery.

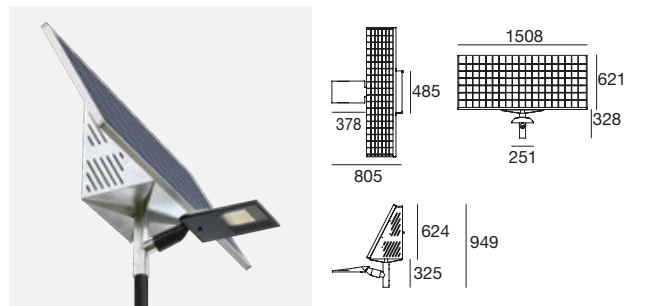
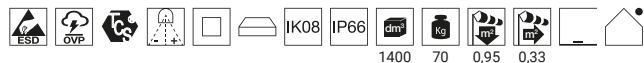


ECO Mini Parker HYBRID | Street & Urban | powerLED | 198-264 V AC



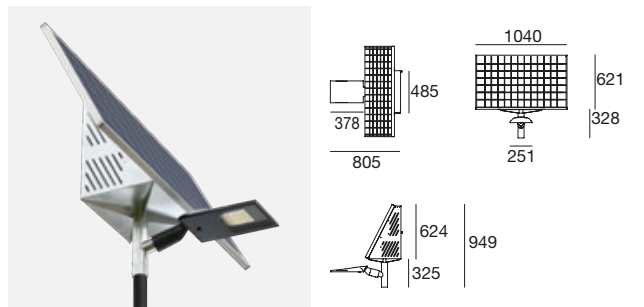
3 LED - 20 W DC - 21 W AC		Cct	lm S - D	Optic
Anthracite	On request	W 3000	2462 - On req	71 Bike
		N 4000	2640 - On req	72 Street
		C 5000	2640 - On req	73 Urban

ECO Mini Parker HYBRID | Street & Urban | powerLED | 198-264 V AC



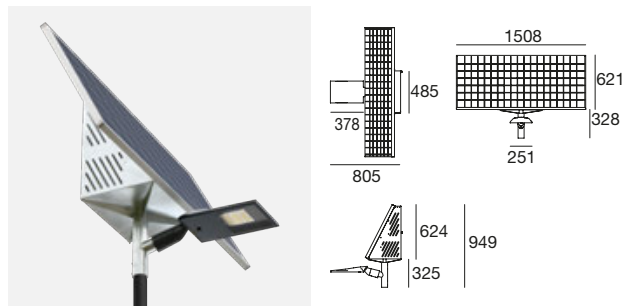
4 LED - 30 W DC - 32 W AC		Cct	lm S - D	Optic
Anthracite	On request	W 3000	3975 - On req	71 Bike
		N 4000	4261 - On req	72 Street
		C 5000	4261 - On req	73 Urban

ECO Mini Parker SOLAR | Street & Urban | powerLED | 12 V DC



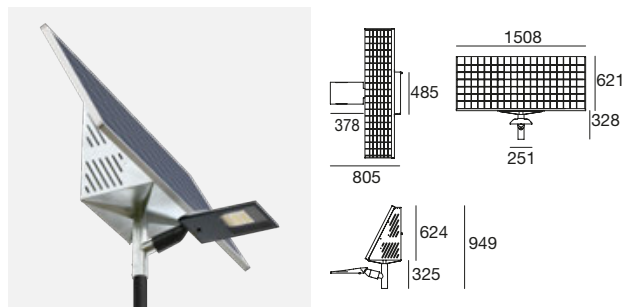
3 LED - 20 W DC		Cct	lm S - D	Optic
Anthracite	On request	W 3000	2462 - On req	71 Bike
		N 4000	2640 - On req	72 Street
		C 5000	2640 - On req	73 Urban

ECO Mini Parker SOLAR | Street & Urban | powerLED | 12 V DC



3 LED - 20 W DC		Cct	lm S - D	Optic
Anthracite	On request	W 3000	2462 - On req	71 Bike
		N 4000	2640 - On req	72 Street
		C 5000	2640 - On req	73 Urban

ECO Mini Parker SOLAR | Street & Urban | powerLED | 12 V DC



4 LED - 30 W DC		Cct	lm S - D	Optic
Anthracite	On request	W 3000	3975 - On req	71 Bike
		N 4000	4261 - On req	72 Street
		C 5000	4261 - On req	73 Urban





poles & fixing accessories



Poles

Technical characteristics

The calculations with the relative design loads are carried out in accordance with:

- Presidential Decree 07/01/1956 No. 164 "Regulations for the prevention of injuries in the workplace."
- Law No. 1086 of 05/11/71: "Regulations on works by reinforced, normal and prestressed concrete and in metallic structure."
- CNR - UNI 10011/88: "Steel construction: instructions for calculation, execution, commissioning and maintenance."
- CNR10022/84: "Cold formed sections. Instructions for use in building."
- "UNI - ENV " 1993-1-1(2004 - Eurocode 3, Design of concrete structures Part 1- 1: General regulations-General rules and rules for buildings.
- Ministerial Decree 14/01/08 Technical standards for construction.
- Ministerial Circular No. 617 of 02/02/09 "Instructions for the application of the Technical Standards for construction pursuant to Ministerial Decree 14 January 2008.
- "UNI-ENV 1991-2-4 (1997), Eurocode 1, Basis of design and actions on structures" For the entire sector of poles 20 m tall or shorter (straight poles) and equal to or shorter than 18 m (poles with arm), in the European Union, the harmonized UNI-EN standards are applied correlated with the "European Directive Council of 21 December 1988 relative to the reconciliation of the legislative, Regulatory and administrative provisions of the member States concerning construction products EEC 89/106."
- The lamp towers are constructed in observance of DPR 547 "Standards for prevention of accidents" and DPR 459 "Regulation for the implementation of the 89/392/EEC, 91/368/EEC, 93/44/EEC and 93/68/ directives.
- EEC concerning the reconciliation of legislation by the member States relative to machines.



MATERIAL



UNI EN 40/2 DIMENSIONAL TOLERANCES



PROTECTION

TAPERED AND CYLINDRICAL POLES

Steel: S235 JRH - UNI EN 10219 (Fe 360B)
R: 360 - 490 N/mm²
R and H: 235 N/mm²
A: 20 %

External diameter: ± 1 %
Thickness: ± 10 %
Straightness: ± 0.3 % of the total length
Length: ± 0.5 %

Hot galvanising in accordance with UNI EN ISO 1461

CONICAL POLES, CURVED BY SHEET METAL

Steel: S235 JRH - UNI EN 10219 (Fe 360B)
R: 360 - 490 N/mm²
R and H: 235 N/mm²
A: 20 %

External diameter: ± 1 %
Shape: ± 3 % from the diameter
Thickness: ± 10 %
Straightness: ± 0.3 % of the total length
Length: ± 0.5 %

Hot galvanising in accordance with UNI EN ISO 1461

TAPERED AND CONICAL POLES, HOT ROLLED

Steel: S275 JOH - UNI EN 10219 (Fe 340)
(S235 JOH - UNI EN 10219 on request)
R: 410 - 560 N/mm²
(360 - 490 N/mm² on request)
R and H: 275 N/mm²
(360 - 490 N/mm² on request)
A: 20 %

External diameter: ± 3 %
Thickness: ± 0.3 %
Straightness: ± 0.3 % of the total length
Length: ± 50 mm

Hot galvanising in accordance with UNI EN ISO 1461

R = unit tensile strength load
R and H = unit yield load
A = elongation

Processing

- Poles top street lamp connecting shaft.
- Slot for terminal block.
- Incoming cables slot.
- Earth connection.

On Request:

- Base plate with anchoring holes.
- Reinforcing sleeve in welded steel.

Finishes

- Hot galvanising by immersion in melted zinc bath.
- Processing carried out in accordance with UNI EN 40/4 standards.
- Powder coating.
- Hydrocarbonising of the external buried part.
- Anti-corrosion sleeve to the section of coupling in membrane.

On Request:

- On request, different colouring from the unified RAL range.

Standard

Zn

The poles are made entirely in galvanised steel.

On request

Light grey
RAL 7035

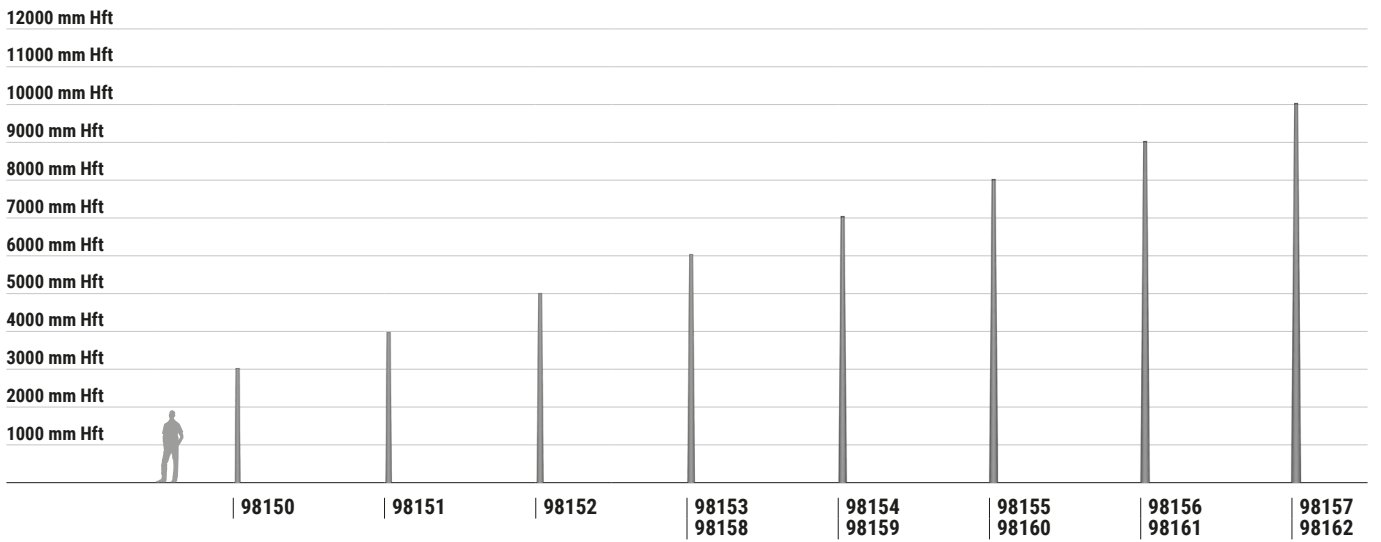
On request

Anthracite
RAL 7016

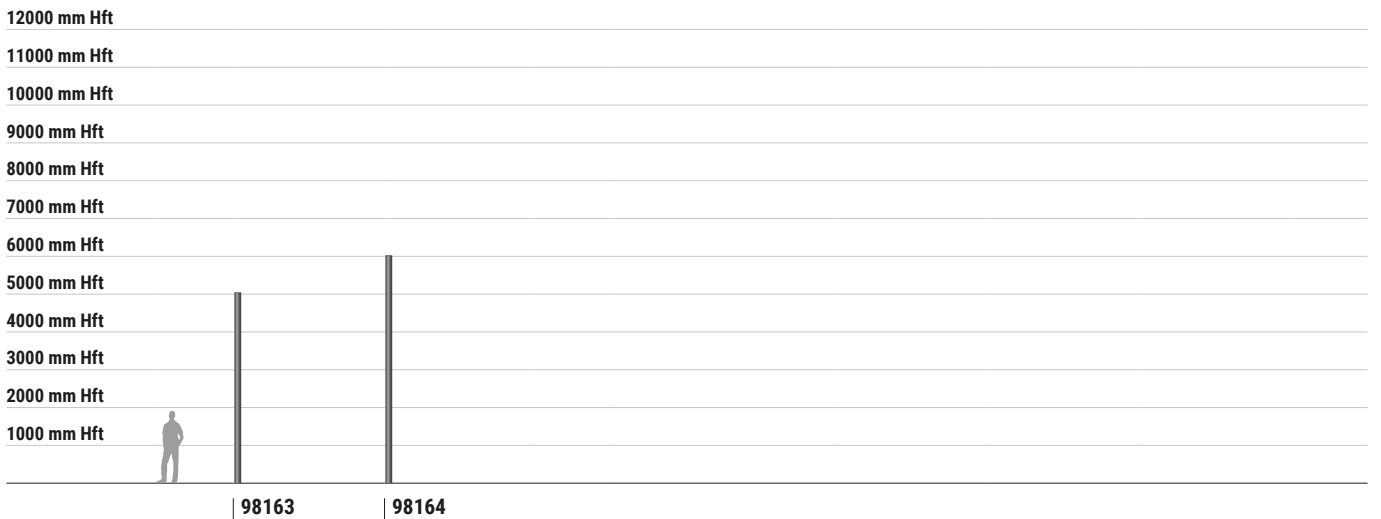




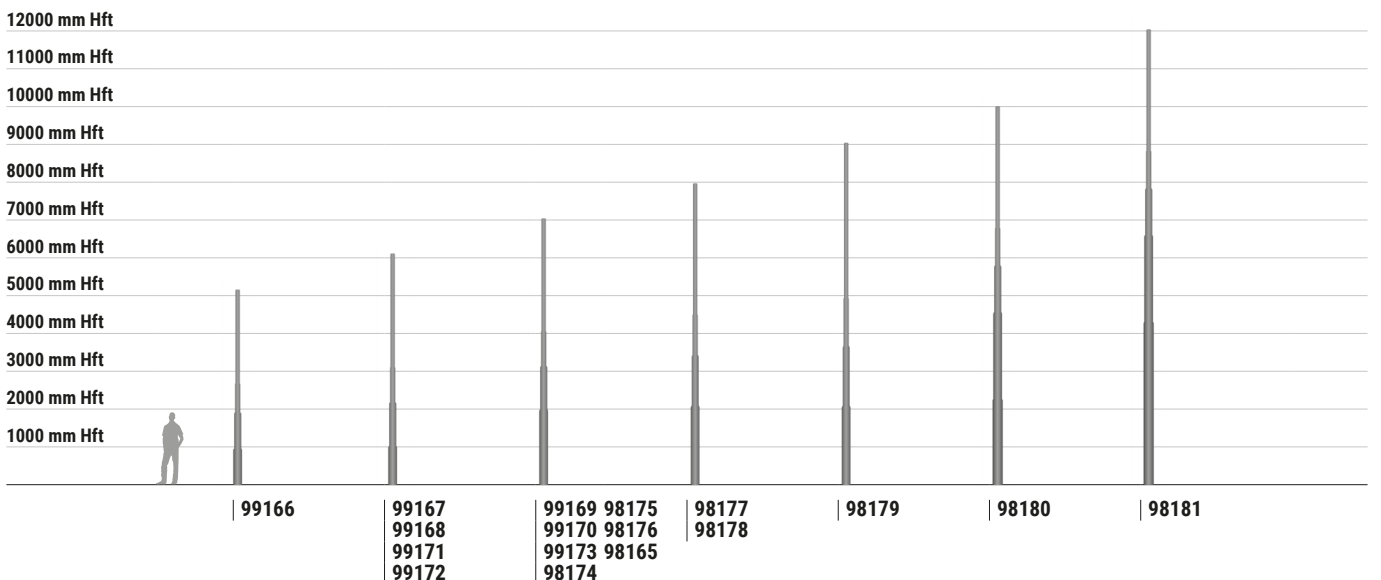
Conical poles in galvanised steel

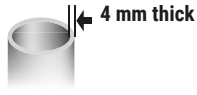
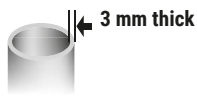
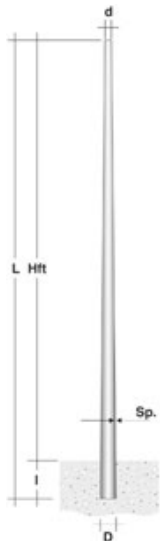


Cylindrical poles in galvanised steel



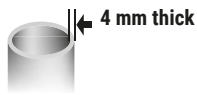
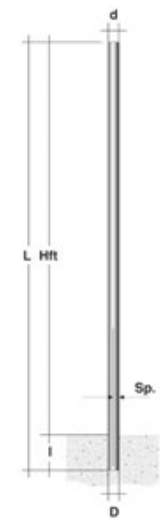
Tapered poles in galvanised steel





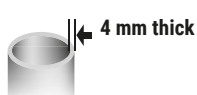
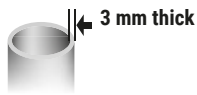
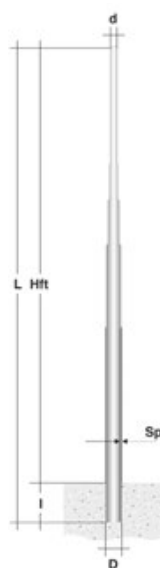
		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	98150	3500	3000	500	95	60	21	38x132
Zn	98151	4500	4000	500	105	60	28	38x132
Zn	98152	5500	5000	500	115	60	37	38x132
Zn	98153	6800	6000	800	128	60	48	46x186
Zn	98154	7800	7000	800	138	60	58	46x186
Zn	98155	8800	8000	800	148	60	81	46x186
Zn	98156	9800	9000	800	158	60	81	46x186
Zn	98157	10800	10000	800	168	60	93	46x186

		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	98158	6800	6000	800	128	60	63	46x186
Zn	98159	7800	7000	800	138	60	77	46x186
Zn	98160	8800	8000	800	148	60	91	46x186
Zn	98161	9800	9000	800	158	60	107	46x186
Zn	98162	10800	10000	800	168	60	123	46x186



		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	98163	5500	5000	500	102	102	44	38x132

		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	98164	7000	6000	1000	102	102	64	46x186

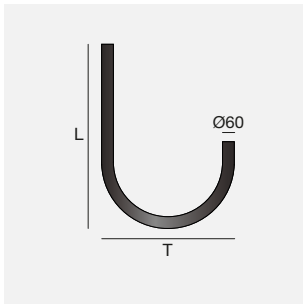


		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	99166	5500	5000	500	89	60	31	38x132
Zn	99167	6800	6000	800	114	60	53	46x186
Zn	99168	6800	6000	800	127	60	58	46x186
Zn	99169	7800	7000	800	114	60	61	46x186
Zn	99170	7800	7000	800	127	60	66	46x186

		L mm	Hft mm	I mm	D mm	d mm	Kg	Eyelet mm
Zn	99171	6800	6000	800	114	60	63	46x186
Zn	99172	6800	6000	800	152	60	80	46x186
Zn	99173	7800	7000	800	127	60	75	46x186
Zn	98174	7800	7000	800	139	60	79	46x186
Zn	98175	7800	7000	800	152	60	89	46x186
Zn	98176	7800	7000	800	168	60	104	46x186
Zn	98165	8000	7000	1000	127	102	103	46x186
Zn	98177	8800	8000	800	168	60	104	46x186
Zn	98178	8800	8000	800	193	102	131	46x186
Zn	98179	9800	9000	800	193	102	143	46x186
Zn	98180	10800	10000	800	193	102	155	46x186
Zn	98181	12800	12000	800	193	102	182	46x186

Arms & fixing accessories

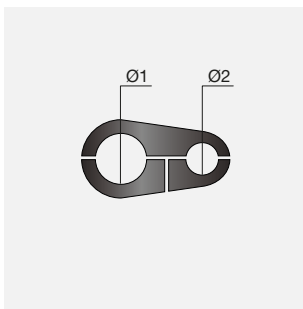
Round arm Ø 60mm



		L mm	T mm	Kg
Anthracite	98182	1000	700	8
Light grey	98749	1000	700	8

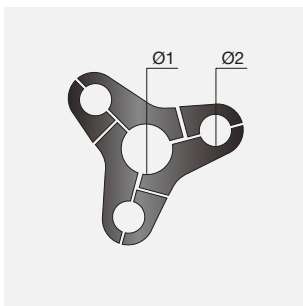
* To fasten the round arm Ø 60mm on the cylindrical pole, apply two couplers.

Single coupler for round arm Ø 60mm (for cylindrical pole).



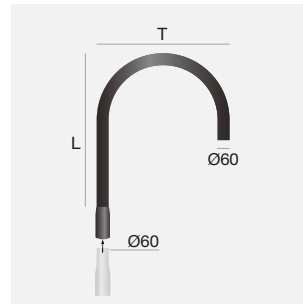
		Ø1 mm	Ø2 mm	Kg
Anthracite	98184	102	60	0,8
Light grey	98750	102	60	0,8

Triple coupler for round arm Ø 60mm (for cylindrical pole).



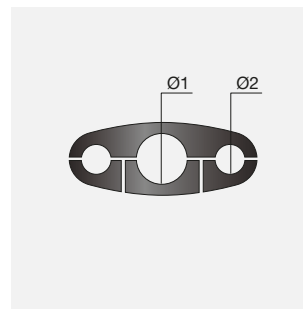
		Ø1 mm	Ø2 mm	Kg
Anthracite	98188	102	60	2,2
Light grey	98752	102	60	2,2

Snap-lock round arm Ø 60mm.



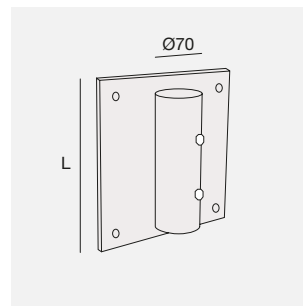
		L mm	T mm	Kg
Anthracite	98190	1000	700	8,3
Light grey	98753	1000	700	8,3

Double coupler for round arm Ø 60mm (for cylindrical pole).



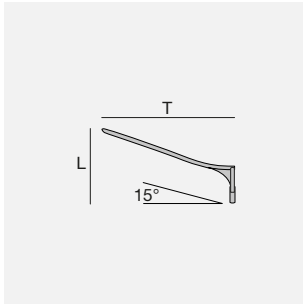
		Ø1 mm	Ø2 mm	Kg
Anthracite	98186	102	60	1,5
Light grey	98751	102	60	1,5

Wall-mount bracket for round arm Ø 60mm.



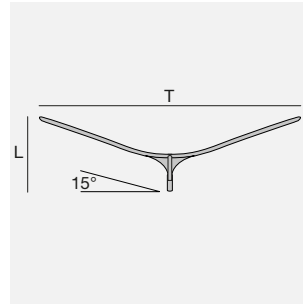
		L mm	Ø mm	Kg
Zn	98288	250	70	4,5

Single folded arm Ø 60mm for conical, tapered pole.



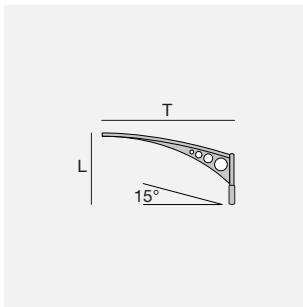
		L mm	T mm	Kg
Zn	98214	500	1500	8,5

Double folded arm Ø 60mm for conical, tapered pole.



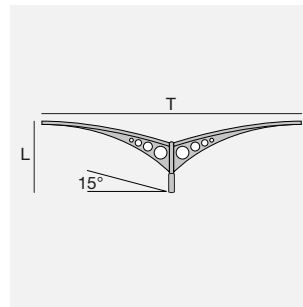
		L mm	T mm	Kg
Zn	98215	500	3000	17

Single arm bracket Ø 60mm for conical, tapered pole.



		L mm	T mm	Kg
Zn	98216	500	1500	8,5

Double arm bracket Ø 60mm for conical, tapered pole.



		L mm	T mm	Kg
Zn	98217	500	3000	17

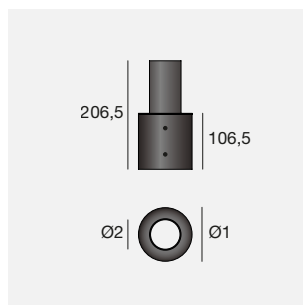
Arms & fixing accessories

Reducer for conical or tapered pole \varnothing 70mm.



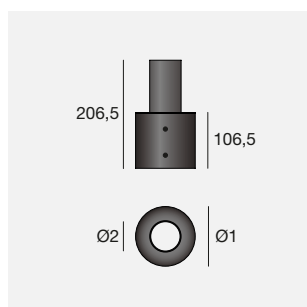
		\varnothing 1 mm	\varnothing 2 mm	Kg
Anthracite	98742	80	60	0,8
Light grey	98743	80	60	0,8
Zn	On req	80	60	0,8

Reducer for conical or tapered pole \varnothing 89mm.



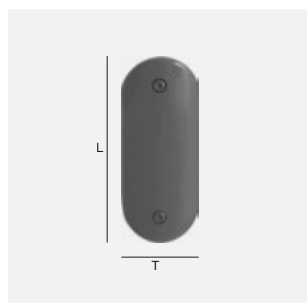
		\varnothing 1 mm	\varnothing 2 mm	Kg
Anthracite	98744	102	60	1
Light grey	98745	102	60	1
Zn	On req	102	60	1

Reducer for conical or tapered pole \varnothing 120mm.



		\varnothing 1 mm	\varnothing 2 mm	Kg
Anthracite	98746	114	60	1,1
Light grey	98747	114	60	1,1
Zn	On req	114	60	1,1

Cover for pole hand hole.



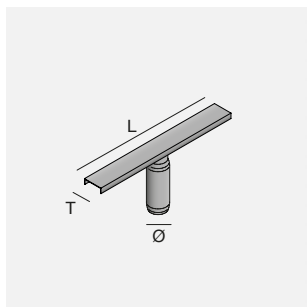
		L mm	T mm	Kg
Anthracite	98192	132	38	0,09
Anthracite	98194	186	45	0,15
Light grey	83075	132	38	0,09
Light grey	83076	186	45	0,15
Zn	On req	132	38	0,09
Zn	On req	186	45	0,15

Terminal block for hand hole (2 poli - 10 A)



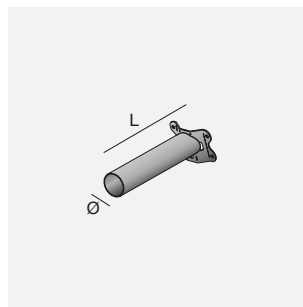
		L mm	T mm
	98193	132	38
	98195	186	45

Cross arm Ø 60mm for conical or tapered pole.



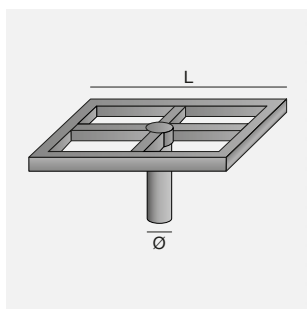
		L mm	T mm	Ø mm	Kg
Zn	98196	500	70	60	3
Zn	98197	1000	70	60	5

15° arm for wall mounting.



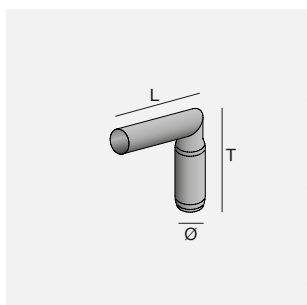
		L mm	Ø mm	Kg
Zn	98198	250	60	3,5

Square-section cross arm Ø 100mm for conical or tapered pole.



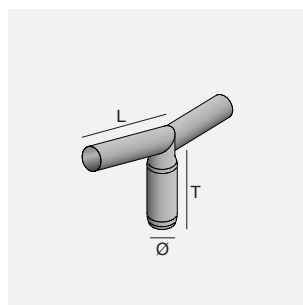
		L mm	Ø mm	Ø mm	Kg
Zn	98199	500	100	100	20

Single 15° angled arm Ø 60mm for conical or tapered pole.



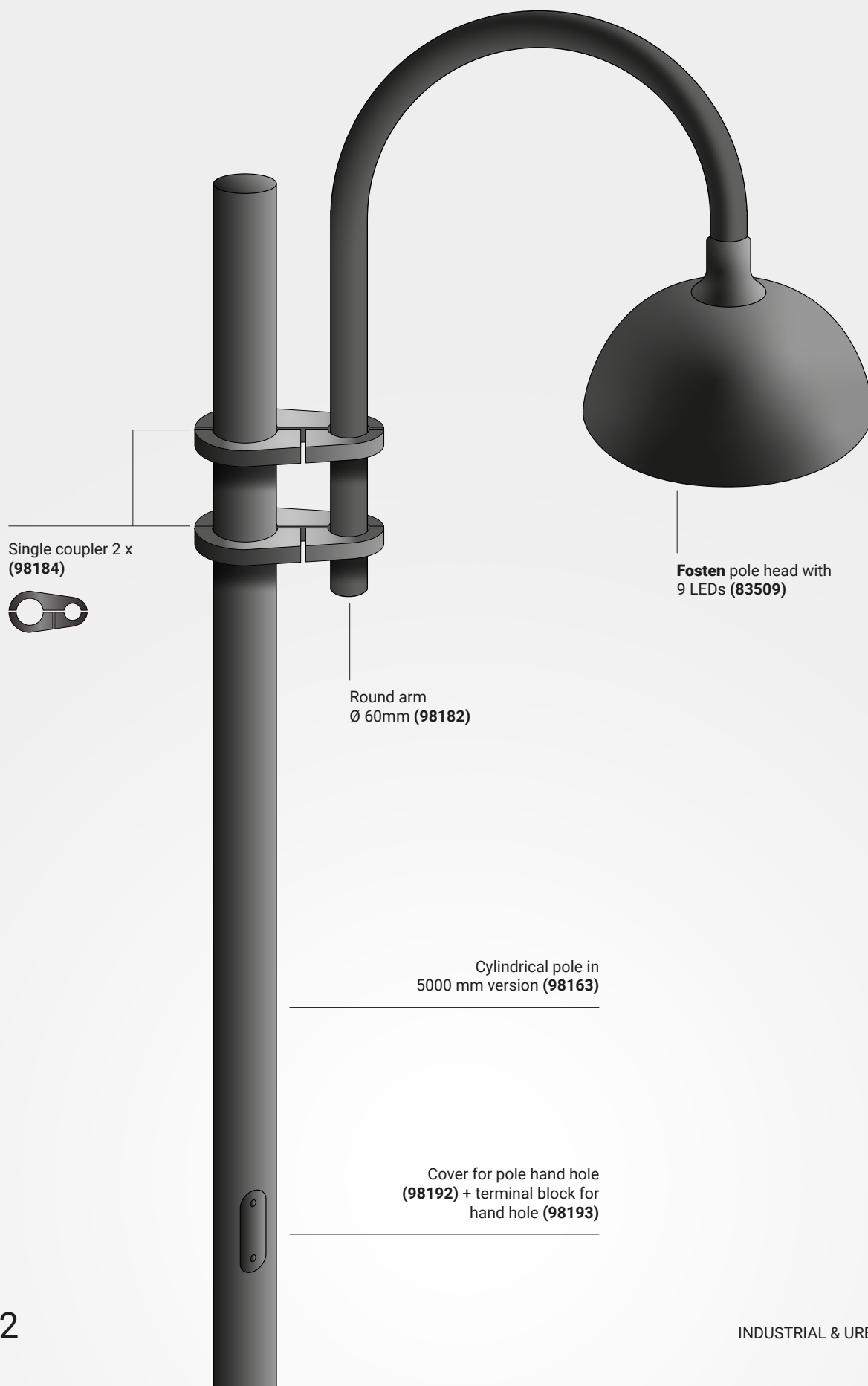
		L mm	T mm	Ø mm	Kg
Anthracite	98210	250	250	60	4,5
Light grey	98209	250	250	60	4,5
Zn	98208	250	250	60	4,5

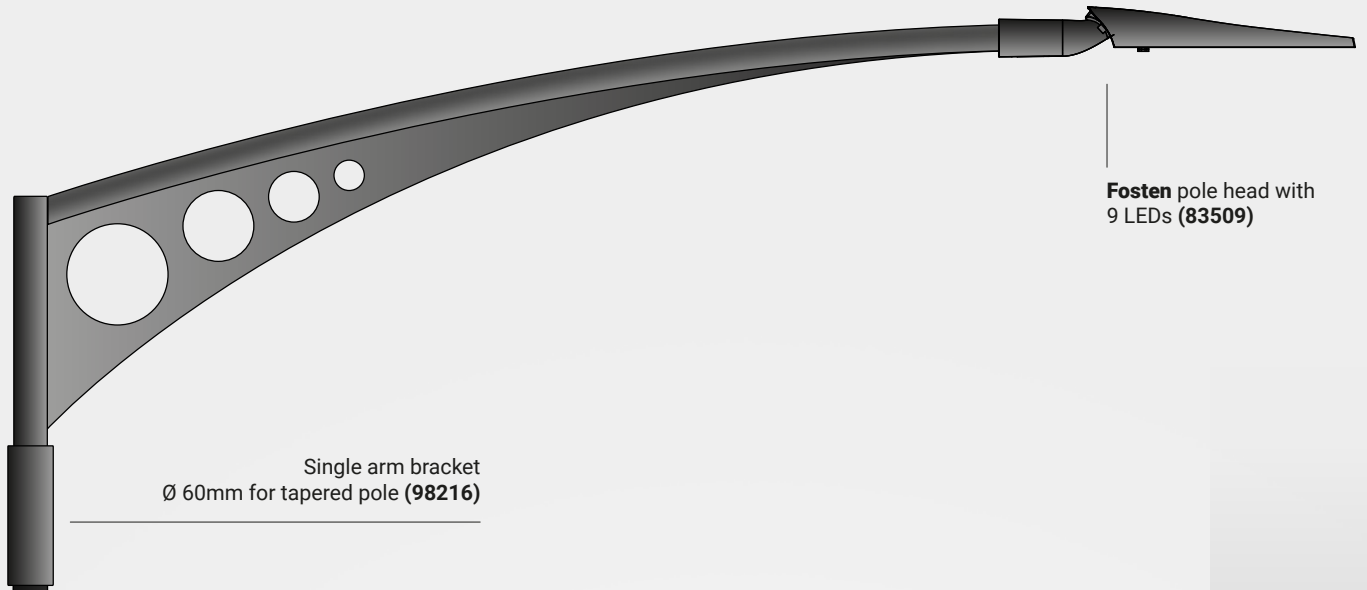
Double 15° angled arm Ø 60mm for conical or tapered pole.



		L mm	T mm	Ø mm	Kg
Anthracite	98213	250	250	60	5,4
Light grey	98212	250	250	60	5,4
Zn	98211	250	250	60	5,4

Examples of installations with accessories

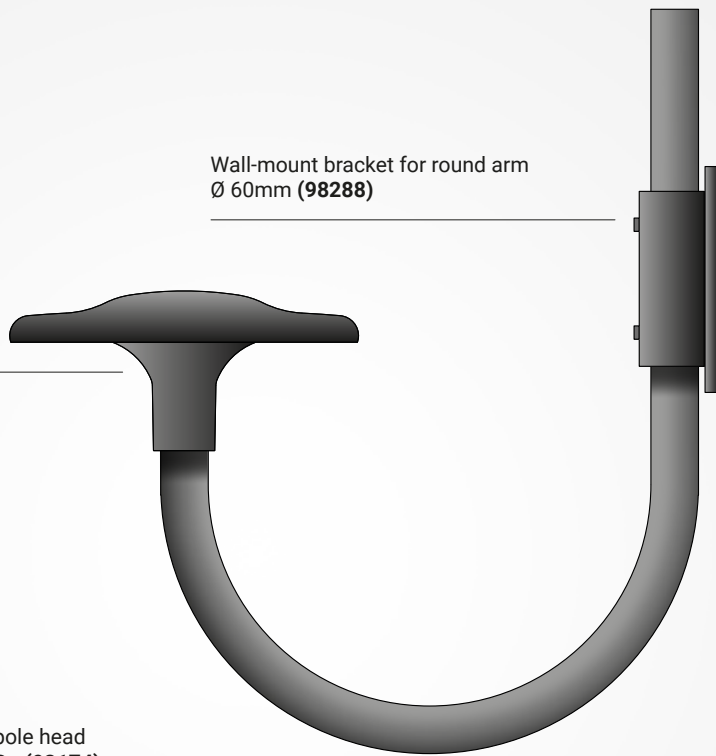




Fosten pole head with 9 LEDs (83509)

Single arm bracket
Ø 60mm for tapered pole (98216)

Tapered pole in
5000 mm version (98152)



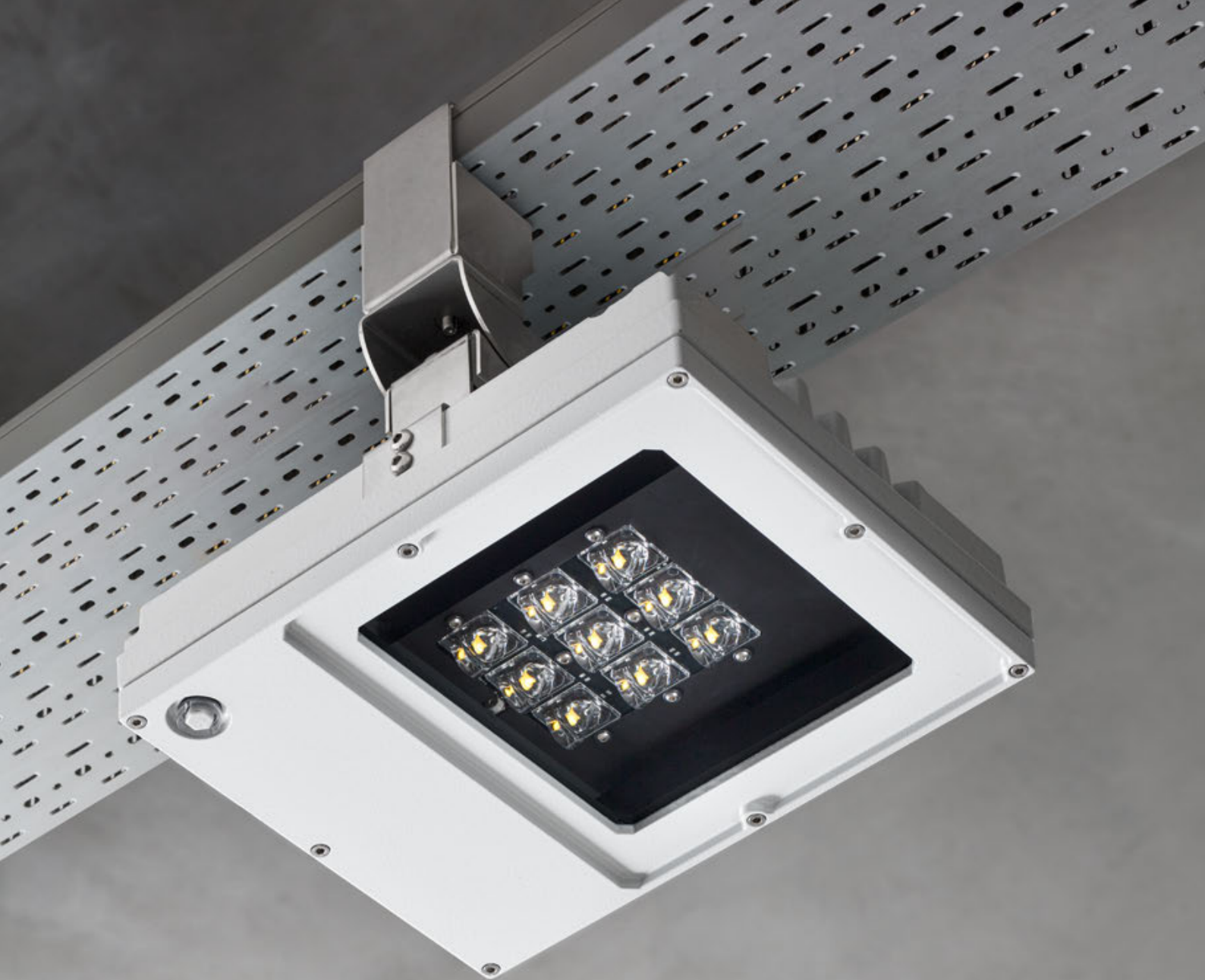
Wall-mount bracket for round arm
Ø 60mm (98288)

Voyager pole head
with 7 LEDs (93174)

Round arm
Ø 60mm (98182)







driled

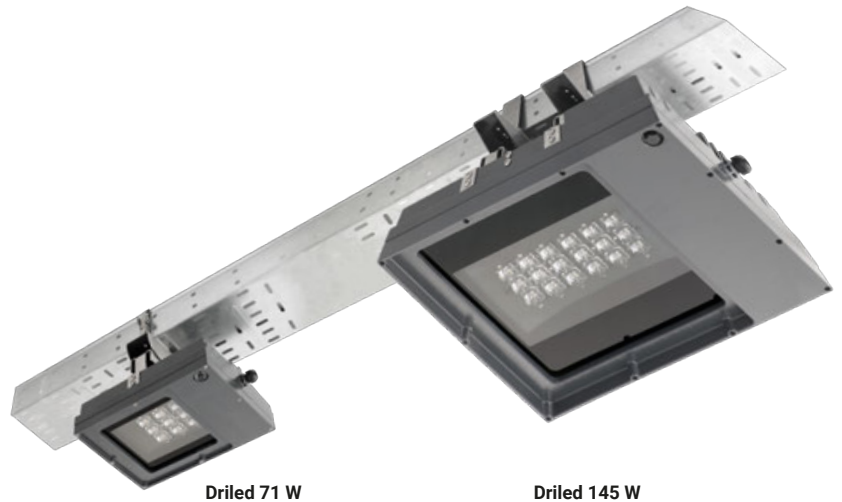
Materials

Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

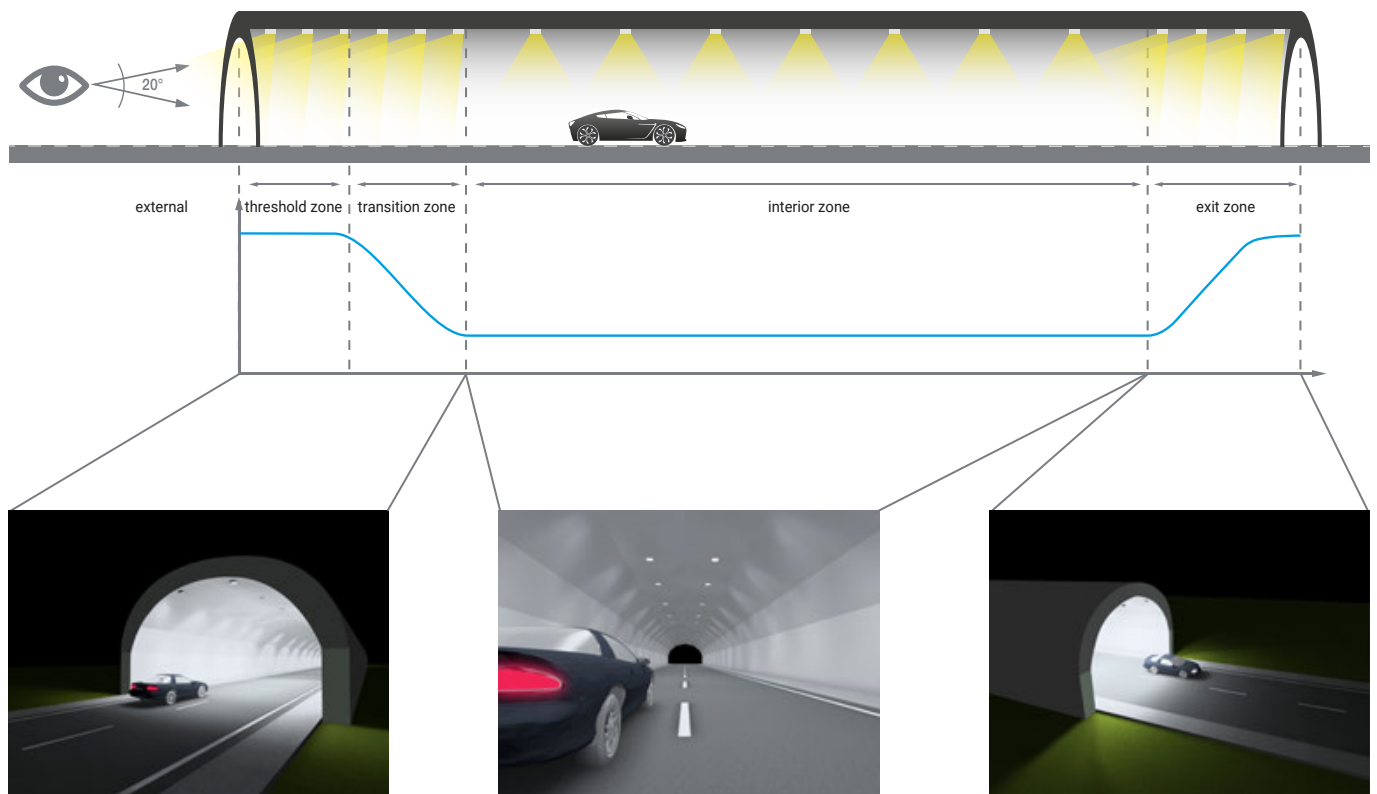


Tunnel lighting system

The main principle of tunnel lighting is to ensure that the driver has the same visual perception inside and outside the tunnel. The difference in brightness between these two zones (during the day) is often too great for the human eye to be able to distinguish any obstacles inside the tunnel and the time when entering the tunnel is too brief to allow the eye to adapt to the different lighting levels.



The Driled article can be used to light the different zones of tunnels. What makes them stand out in light emission and perception is how they are applied in the tunnel, where the required lighting differs from zone to zone.

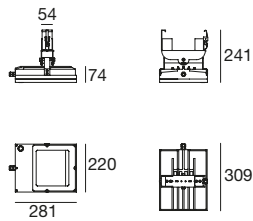
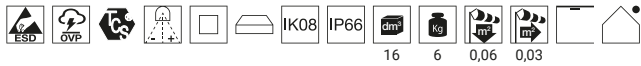


The purpose of the lighting at the initial section of the tunnel is to prevent the 'black hole' effect, in other words, the abrupt change from the outdoor daytime lighting conditions to the darkness of the tunnel. This is called reinforcement lighting. This area of the tunnel is undoubtedly the most critical if not correctly lit and it represents one of the predominant causes in most accidents which occur in it.

The function of the permanent lighting is to light the street for the driver's eye after it has already adjusted to the change of brightness after entering the tunnel. This is present along the entire length of the tunnel and, during the day, in the initial section that corresponds to the entrance and transition zones, it is integrated by the reinforcement lighting to ensure correct perception of the obstacles. The driver arriving at the interior zone has by now become accustomed to the lighting levels similar to night driving and is therefore in a situation where constant, uniform and comfortable lighting is required that does not change until the exit zone.

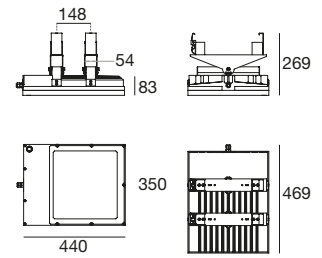
To ensure reinforcement lighting, proflow or counterflow optics systems are used. Proflow lighting is achieved with a distribution in which glare is reduced to a minimum in that the light beam is aimed in the driving direction. Counterflow, on the other hand, is achieved with distribution in which the maximum peak of brightness intensity is aimed in the opposite direction. In this latter case, the obstacles placed inside the tunnel are highlighted as dark objects on the lit road surface and are therefore highly visible, reaching high negative contrast values.

Driled | Street | powerLED | 198-264 V AC | 64 W DC - 71 W AC



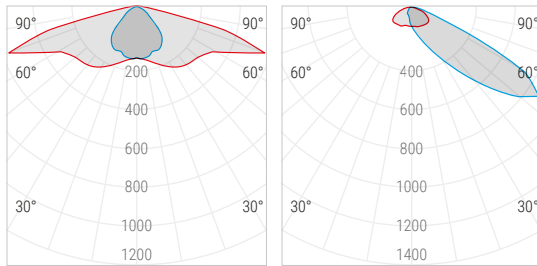
9 LED		Cct	lm S - D	Optic
Anthracite	80929	W 3000	8942 - On req	75 Permanent
Light grey	80930	N 4000	9588 - On req	79 Fortifying
Autocontrol System		C 5000	9588 - On req	
Anthracite	80931			
Light grey	80932			

Driled | Street | powerLED | 198-264 V AC | 134 W DC - 145 W AC



18 LED		Cct	lm S - D	Optic
Anthracite	80925	W 3000	18489 - On req	75 Permanent
Light grey	80926	N 4000	19823 - On req	79 Fortifying
Autocontrol System		C 5000	19823 - On req	
Anthracite	80927			
Light grey	80928			

Photometric curves of Driled 71W (80929)

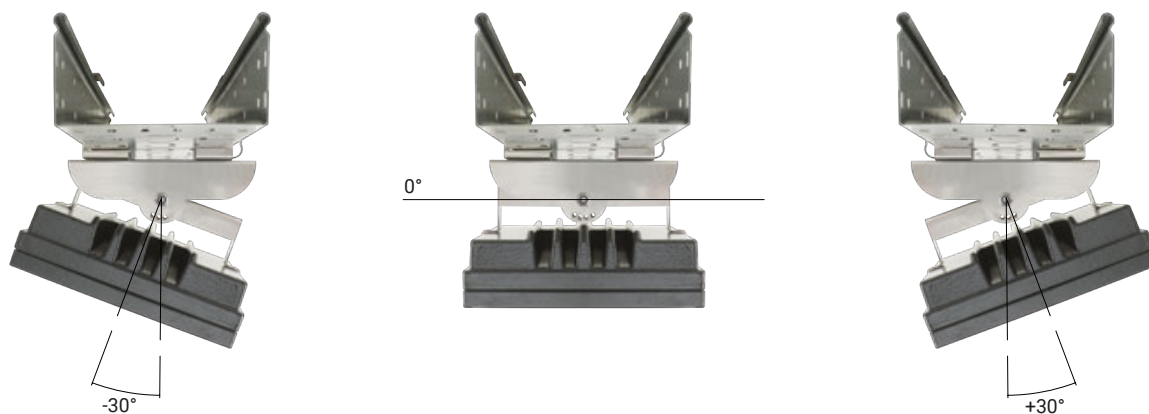


— C0/C180 — C90/C270
Optic 79 Fortifying

— C0/C180 — C90/C270
Optic 75 Permanent

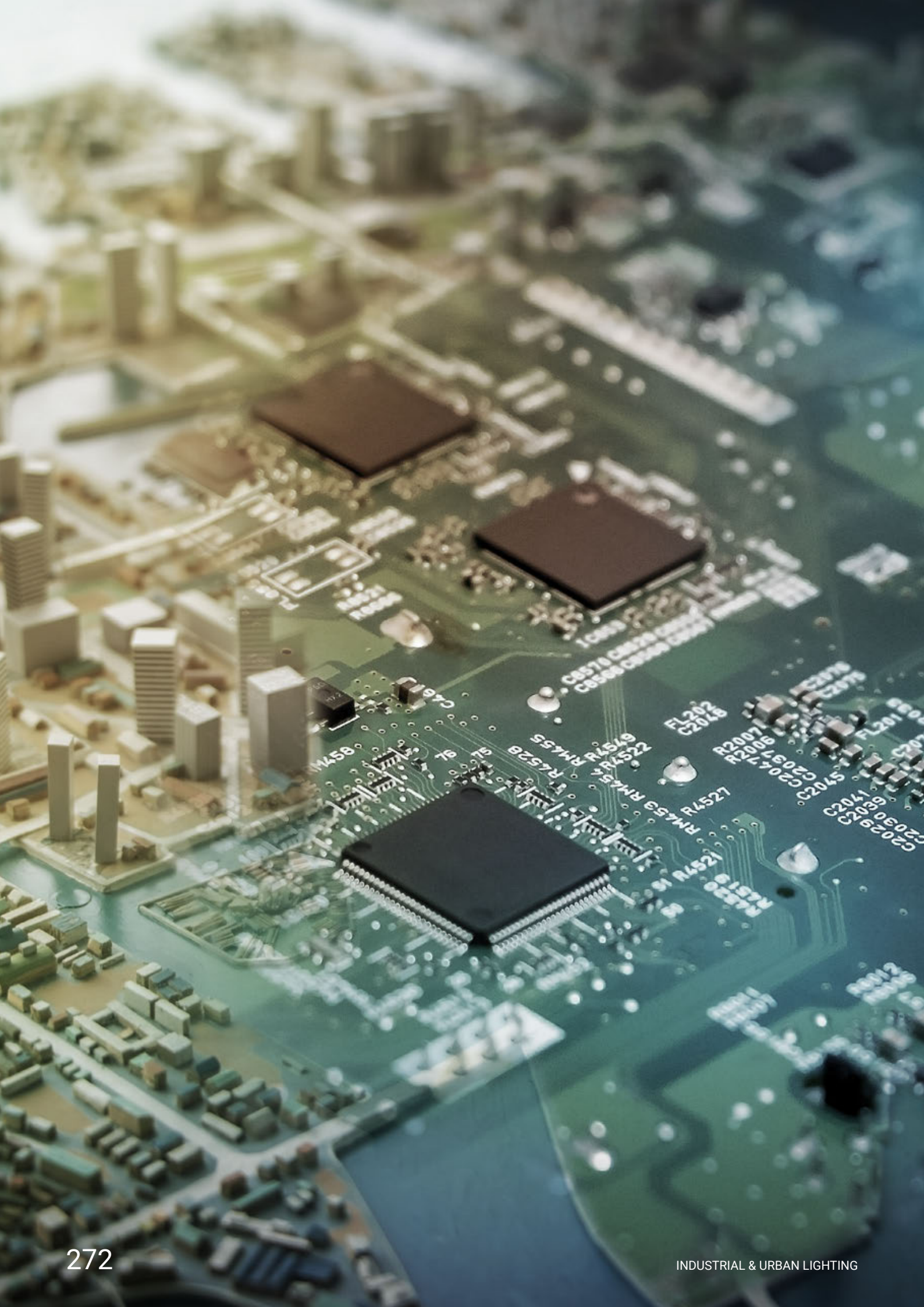
Lateral swivel

Driled can be adjusted 30° toward either side for correct and precise directing of the light beam, based on the needs.









electronics range index

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	Emergency light kit Emergency		➔ 289

CONTROL YOUR NETWORK

Fixture setup and control through smart devices and PCs

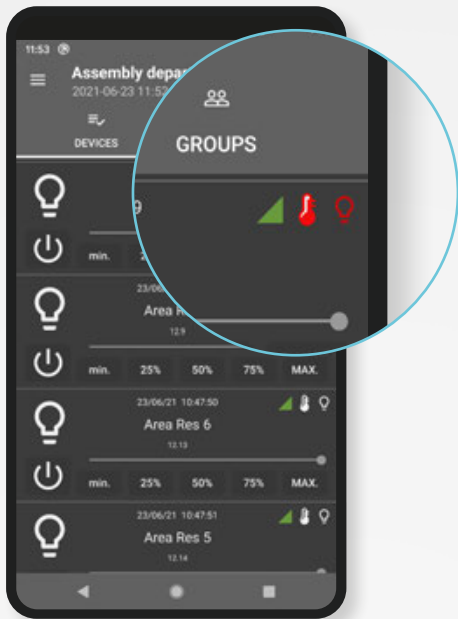


Fixture groups on floor plan managed via dedicated software interface on PC

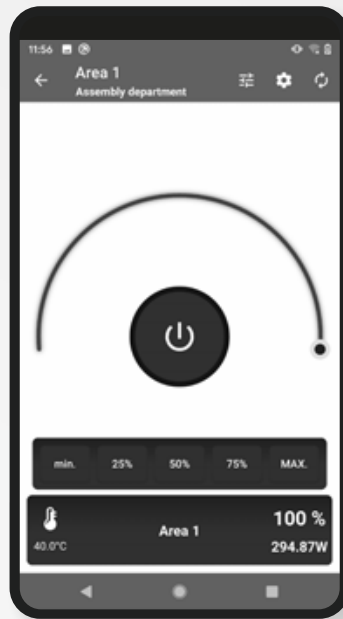
Search for Gateways on the network and broadcast command to all fixtures linked to them



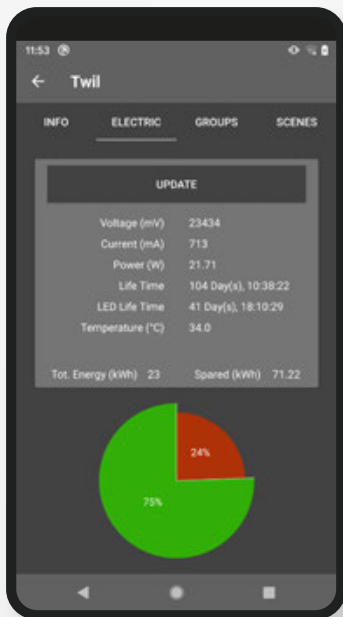
Download Twil for pc:
linealight.com



Display of all fixtures connected to a Gateway. The App allows users to detect any hardware problems. (Power supply temperature alert)

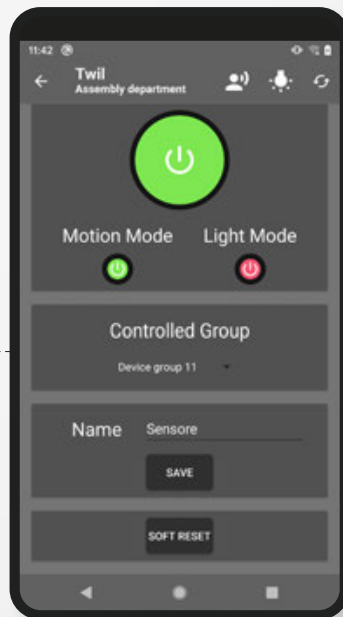


Fixture parameter readings and performance check



Control of electrical parameters, consumption, and lifespan of power supply and LEDs

Twil Sensor
Code: 83236
Pag. 276

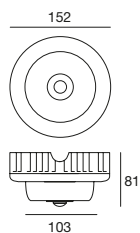


Setting of a sensor for automatic light fixture control through different modes:

- Motion sensor
- Brightness sensor
- Mixed motion/brightness sensor
- Twilight sensor

Linea Light Group makes an assistance available service for the realisation of complex projects where Twil light connection technology will be used. A specialised team that follows the development of the system step by step, from the initial stages, ensuring the commissioning of the devices through the operating tests of the lamp bodies and control devices of the Twil system.

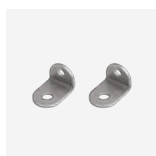
Twil Sensor



	type	network standard
83236	Grey	IEEE 802.11a/b/g/n MiWi IEEE 802.15.4

Twil Sensor is a multi-purpose wireless sensor equipped with light and motion detection devices. The two sensors can be individually deactivated and adjusted, allowing for three different detection modes. (LUX-sensor, MOTION-sensor, and BI-sensor).

Accessories



x 2	description
98659	Couple of side fixing bracket
suitable for: Twil Sensor	



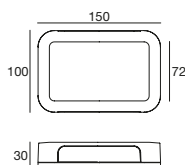
description
98657 Fixing hidden bracket
suitable for: Twil Sensor



description
98658 Fixing hidden bracket
suitable for: Twil Sensor



description
98656 Fixing tilting bracket
suitable for: Twil Sensor

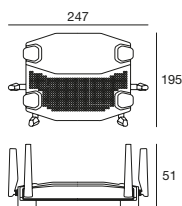


	type	network standard	
83237	Black	IEEE 802.11a/b/g/n	MiWi IEEE 802.15.4

Connection to mobile devices is done via the Twil Gateway, which converts Wireless signals into MiWi signals. In this way, Twil technology can be used on all IT networks. If the existing IT network cannot be used, the Gateway Hotspot function can be used to generate an autonomous and independent Wireless network.

WARNING:
An Twil Gateway can control up to 80 devices with Twil technology. As general indications we can provide the following maximum distances between Twil Gateway and Twil device: Maximum radius of 50m around the Twil Gateway

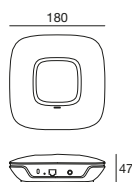
Linksys AC1900 | Wireless Router



	type	network standard	radio-frequency	Port	CPU
99473	Black	IEEE 802.11 a/b/g/n/ac	2.4 & 5GHz	USB 3.0, gigabit Ethernet	1.3 GHz dual-core processor

Simultaneous dual band (2.4 + 5 GHz), able to offer a stronger connection with a wider frequency range. The AC1900 router is equipped with 4 high-performance antennas that can ensure optimal coverage and guarantee the signal even in large spaces and/or in multi-storey buildings.

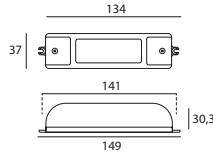
TP-Link Extender



	type	network standard	radio-frequency	Supply
99472	White	IEEE 802.11 a/b/g/n/ac	2.4GHz & 5GHz	PoE (power over Ethernet) 802.af or driver

The latest-generation Access Points (802.11ac standard) ensure superior wireless performance and high coverage on 2.4GHz and 5GHz networks. TP-link extender can be used to extend the range of the Wireless signal generated by the Linksys AC 1900 router, for installations in areas with very large spaces, where adequate coverage of the Wireless signal is required.

Simon | On/Off Driver

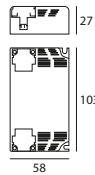


Easy Plug connector included

	range	output	input	eff.	PF	surge
99740	15W DC arrayLED	400mA 37V	190~250V AC	89%	0.9 C	2 kV

Smartwave™: excellent efficiency, a long operating life, surge protection and high PF. Protection against overheating, overloading, open circuits and short-circuits along the output line. For code 99740, the current is selected via the jumper.

Leon | On/Off Driver

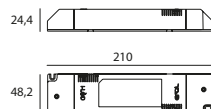


Easy Plug connector included

	range	output	input	eff.	PF	surge
83219	23W DC topLED	500mA 39V	198~264V AC	91%	0.95	5 kV
99261	25W DC arrayLED	630mA 39V	198~264V AC	91%	0.95	5 kV
99093	30W DC arrayLED	840mA 39V	198~264V AC	91%	0.95	5 kV

Smartwave™: excellent efficiency, a long operating life, surge protection and high PF. Protection against overheating, overloading, open circuits and short-circuits along the output line.

Jeti | On/Off Driver

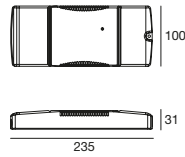


Easy Plug connector included

	range	output	input	eff.	PF	surge
83114	50W DC arrayLED	1250mA 39V	198~264 V AC	90%	0.9	4 kV

Smartwave™: excellent efficiency, a long operating life, surge protection and high PF. Protection against overheating, overloading, open circuits and short-circuits along the output line.

Lca | On/Off



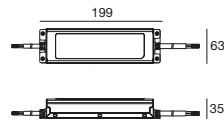
	range	output	input	eff.	PF	surge
83234	70W DC topLED	1.8A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included



Mean | On/Off Driver



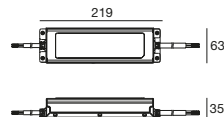
	range	output	input	eff.	PF	surge
99101	100W DC topLED	2.5A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included



Mean | On/Off Driver



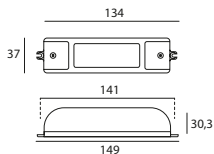
	range	output	input	eff.	PF	surge
83238	140W DC topLED	3.6A 40V	198~264V AC	88%	0.95	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included



Simon | DALI Push and Simply Dim Multi Current

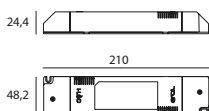


Easy Plug connector included

	range	output	input	eff.	PF	surge
99738	15W DC arrayLED	400mA 37V	198~264 V AC	89%	0.9 C	4 kV

Selection of current intensity output via jumper. Settings via the DALI interface. Optimisation of the DALI transmission signal. Protection self-resetting against overheating, overloading, open circuits and short-circuits along the output line. For code 99738, the current is selected via the jumper.

Argo | DALI Push and Simply Dim Multi Current

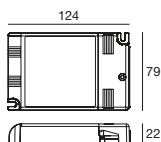


Easy Plug connector included

	range	output	input	eff.	PF	surge
99721	23W DC topLED	500mA 40V	198~264 V AC	91%	0.95	4 kV
	25W DC topLED	700mA 40V	198~264 V AC	91%	0.95	4 kV

Settings via DALI interface or Simply Dim. Optimisation of the DALI transmission signal. Selection of current intensity via dedicated terminal. Protection self-resetting against overheating, overloading, open circuits and short-circuits along the output line.

Maxi JOLLY | DALI 2 Push 0/1-10V Multi Current

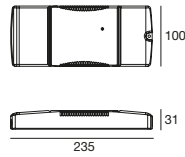


Easy Plug connector included

	range	output	input	eff.	PF	surge
83066	30W DC arrayLED	800mA 39V	99~264 V AC	92%	0.96	4 kV
	45W DC arrayLED	1200mA 39V	99~264 V AC	92%	0.96	4 kV

Multipower driver supplied with dip-switch for the selection of the output current. Protections: against overheating and short circuits, against mains voltage spikes, against overloads. RIPPLE FREE ≤ 3%. On request BIS certification. Light regulation 0/1 - 100 % by means of PUSH function, 0/1...10 V interface (I=1 mA) or 100 Kohm potentiometer and DALI. Possibility to use PUSH function to 4/5 drivers without sync cable. Maximum length of the cable, from push button to last driver, must be max. 15 m.

Lca | DALI Push Multi Current



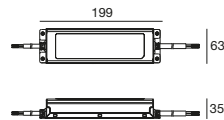
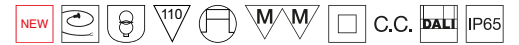
	range	output	input	eff.	PF	surge
83233	70W DC topLED	1.75A 37V	198~264V AC	88%	0.97	5 kV

Settings via DALI or PUSH interface.
 Optimisation of the DALI transmission signal.
 Selection of current intensity via dip-switch.
 Self-resetting protection against overheating, overloading, open circuit and short-circuits along the output line.

Easy Plug connector included



Mean | DALI Driver



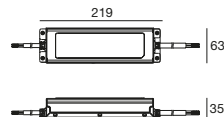
	range	output	input	eff.	PF	surge
99165	100W DC topLED	2.5A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included



Mean | DALI Driver



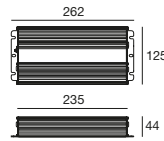
	range	output	input	eff.	PF	surge
98173	140W DC topLED	3.6A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included



BIG450 | On/Off 0/1-10V Driver

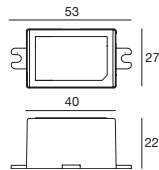
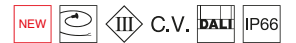


	range	output	input	eff.	PF	surge
83212	450W DC powerLEDs	3600mA 125V	90~305V AC	94%	0.96	6 kV
83216	450W DC powerLEDs	2700mA 168V	90~305V AC	94%	0.96	6 kV
83218	450W DC powerLEDs	2500mA 180V	90~305V AC	94%	0.96	6 kV

	range	output	input	eff.	PF	surge
83211	450W DC powerLEDs	3600mA 125V	249~528V AC	92%	0.96	6 kV
83215	450W DC powerLEDs	2700mA 168V	249~528V AC	92%	0.96	6 kV
83217	450W DC powerLEDs	2500mA 180V	249~528V AC	92%	0.96	6 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

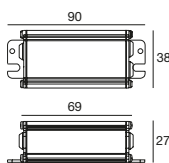
Sico D | Signal Converter



	type	signal input	signal output	input
83030	White	DALI	0/1-10V	12 V DC

The DALI converter can convert DALI commands to control the LED lamp's current via LED driver's 0-10V interface.

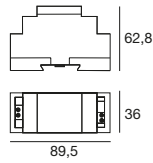
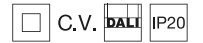
Sico DR | Signal Converter



	type	signal input	signal output	input
83031	Allum.	DMX/RDM	0/1-10V	12 V DC

The DMX/RDM converter can convert DMX/RDM command to control the LED lamp's current via LED driver's 0-10V interface.

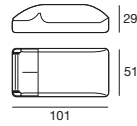
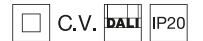
Dali_PS2 | DALI power Supply



	type	signal output	connector	input
99310	White	DALI 15~16V DC	CLAMP	220~240V AC

Power supply for 240 mA DALI BUS, for DALI devices, or control modules without own power supply. Power supply suitable for mounting on 35mm Omega DIN rail.

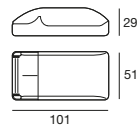
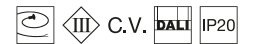
Dali_PS1 | DALI power Supply



	type	signal output	connector	input
99309	Transp.	DALI 15~16V DC	CLAMP	220~240V AC

Power supply for 200 mA DALI BUS, for DALI devices, or control modules without own power supply.

Dali_USB | DALI Controller



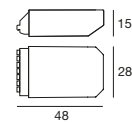
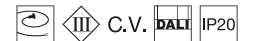
	type	signal output	connector	input
99308	Transp.	DALI	CLAMP USB	4.5~5V DC

PC/DALI interface. It allows the PC to interface with the DALI system and to address individual drivers, managing scenes and groups. The system must be integrated with the free "MasterCONFIGURATOR" software. Powered by DALI cable and USB interface.



99309
Power supply

Dali_XC | DALI Controller



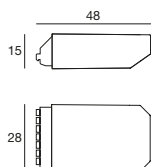
	type	signal output	connector	input
99311	White	DALI	CLAMP	15~16V DC

4 independent inputs for N/O contacts/buttons. Operating mode adjustable via 2 rotary switches. Possibility of connecting multiple DALI MSensors in a group and on the DALI line. Power supply via DALI cable. Connection cables, with a length of 25 cm, depending on the colours of the terminal, included.



99309
Power supply

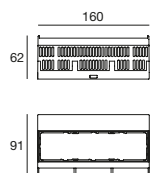
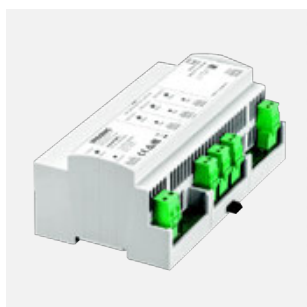
UPB4 | DALI



	type	signal output	connector	input
83147	White	DALI	CLAMP	15-16V DC

4 independent inputs for contacts and N / O buttons.
 Possibility of connecting several UPB4s on the DALI line.
 Power supply via DALI cable.
 Connection cables with a length of 25cm according to the colors of the terminal.

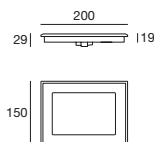
SceneCOM | DALI



	type	signal output	connector	input
83146	White	3 DALI Lines	CLAMP	220~240V AC

DALI control unit.
 Maximum number of DALI drivers that can be connected 192.
 3 DALI outputs.
 Web interface for programming. Schedules and programmable calendar functions

Pannel DALI | x/e-touch PANEL



	type	signal output	connector	Input
99305	Grey	2 Uni DALI	Clamp RJ45 USB	220-240V AC



99309
Power Supply

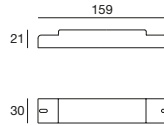


99310
Power Supply

Color touchscreen (7").
 Easy to use application software "MasterCONFIGURATOR".
 With the DALI system functions of addressing and grouping.
 USB and ethernet interface.
 It can be remotely controlled via normal internet browser or em-LINK software
 Light Management System with up to 128 DALI.

basicDIM DGC | Digital controller

IP20

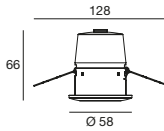


	type	signal output	connector	input
83115	White	DALI/DSI	CLAMP	220~240V AC

2 broadcast control outputs for 10 + 10 DALI \ DSI drivers.
Possibility of programming via TLC FULL programmer 83118 or via free "MasterCONFIGURATOR" software.

basicDIM DGC | Sensor 5DP1 14rc

IP20

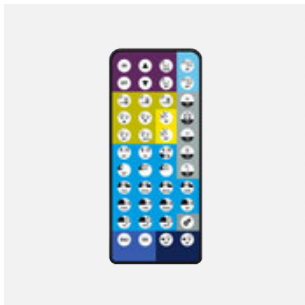


	type	signal output	connector	input
83116	White	DALI/DSI	CLAMP	15-16V DC

LUX \ PIR sensor, maximum 4 sensors connected to a 83115 digital controller.
Possibility of programming via TLC FULL programmer 83118 or via free "MasterCONFIGURATOR" software

basicDIM DGC | Full Programmer

IP20



	L x W x H
83118	130x56x15

Programming remote control for 83115 and 83116.
Programming functions: brightness levels and delay time for switching on and off, possibility to deactivate LUX or \ and PIR sensor.

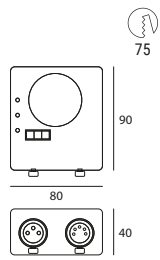
basicDIM DGC | Easy Programmer

IP20



	L x W x H
83119	86.5x40.5x72

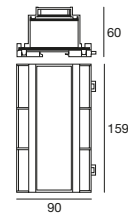
Remote control for 83115 and 83116 management.
On, Off and Dimming functionality.
Activation of automatic lighting control (LUX).



	signal output	connector	input
99050	DMX	RJ45 XLR 3 Pin F. XLR 5 Pin F. mini USB	5.5~6V DC

Move from 1 to 49 different pages.
5 zone selector.
Graphic display of the running mode.
"Live" function via USB.
Compatible with the remote application that allows the creation of a custom interface and the connection of any controller command.

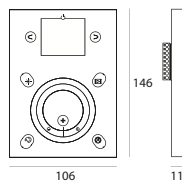
- 89186**
5 m extension M 5 pin M12
M 3 pin XLR
- 98493**
5 m extension M 5 pin M12
M 5 pin XLR
- 84869**
Connector
M 3 pin XLR
- 99346**
Connector
M 5 pin XLR
- 84865**
DMX cable



	signal output	connector	input
83144	6 uni DMX/RDM	CLAMP Ethernet RJ45 USB typeC	12V DC

DMX/RDM control unit which can control up to 6 universal DMX that can handle diverse (scenografie) sets through the contacts. (difficile non so cosa vuoi dire qui). Power relay handling.
Available remote control APP.

- 83145**
Power Supply



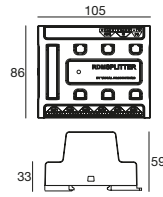
	type	signal output	connector	input
99234	White	DMX	CLAMP RJ45 mini USB	5.5~6V DC
99235	Black	DMX	CLAMP RJ45 mini USB	5.5~6V DC

Zone selector to simultaneously activate up to 10 scenes.
Dimmer to adjust light intensity and saturation.
Selector of up to 50 scenes with the possibility of choosing between dynamic or static. The arrows allow you to change the active scene.
Colour selector to choose from 16 million colours. The arrows allow you to enter RGB values.
Possibility of increasing or reducing the speed of dynamic scenes and colour effects.







- 99184**
Power supply
- 84865**
DMX cable
- 98140**
Outer casing

Splitter Visual | 6OUT DMX/RDM

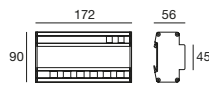


	signal output	signal input	connector input
99386	6 DMX512/RDM	DMX512/RDM	CLAMP 9~24V DC

The DMX-512 Splitter takes the DMX input signal and sends it back to the 6 DMX output ports. The splitter can also function as a signal amplifier, because each port supports another 300-metre long connection. This splitter complies with the RDM protocol for bi-directional communication on DMX. Fixture suitable for mounting on 35mm Omega DIN rail.





- 
99658
 Power supply
- 
84865
 DMX cable
- 
89189
 5m cable M 5 pin M12
- 
98985
 ALLinONE splitter signal/power

Splitter SWI | 6OUT DMX/RDM

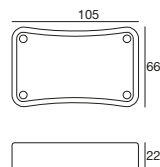


	signal output	signal input	connector Input
83148	6 DMX 512 / RDM	DMX 512 / RDM	Clamp 10~48 VDC

The DMX-512 Splitter takes the DMX input signal and sends it back to the 6 DMX output ports. The splitter can also function as a signal amplifier, because each port supports another 300-metre long connection. This splitter complies with the RDM protocol for bi-directional communication on DMX. Fixture suitable for mounting on 35mm Omega DIN rail.

- 
99658
 Power supply
- 
84865
 DMX cable
- 
89189
 5m cable M 5 pin M12
- 
98985
 ALLinONE splitter signal/power

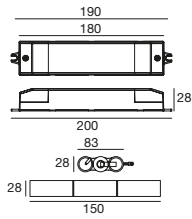
Pro Mk2 | DMX / RDM addresser



	signal output	signal input	connector	Power input
99385	2 DMX512	USBtypeMicro-B	XLR 5 Pin F.	USB 5V

ENTTEC software included.
 Required to program DMX/RDM devices.
 Test the correct operation of the installation.
 It is possible to use the two DMX universes and the stand-alone mode for small installations (1024 pixels).

- 
89186
 5 m extension M 5 pin M12 M 3 pin XLR
- 
98493
 5 m extension M 5 pin M12 M 5 pin XLR
- 
99346
 Connector M 5 pin XLR
- 
84865
 DMX cable
- 
89189
 5m cable M 5 pin M12



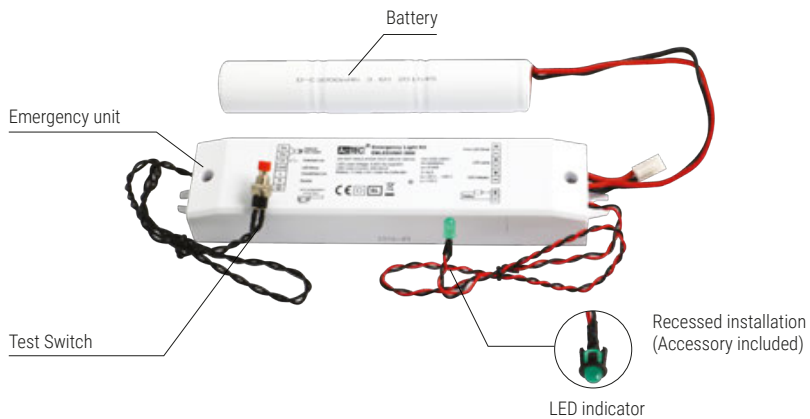
Switchable (on/off) in the presence of mains via switch on SL input (switched line). Automatic reset following battery and/or LED lamp replacement. Electronic multi-level charging system. Supplied with 3,000 mAh battery pack.

	range	output	input	eff.	PF	surge
99355	Universal	6-60V 40-400mA	220~240V AC	86%	0.5	4 kV

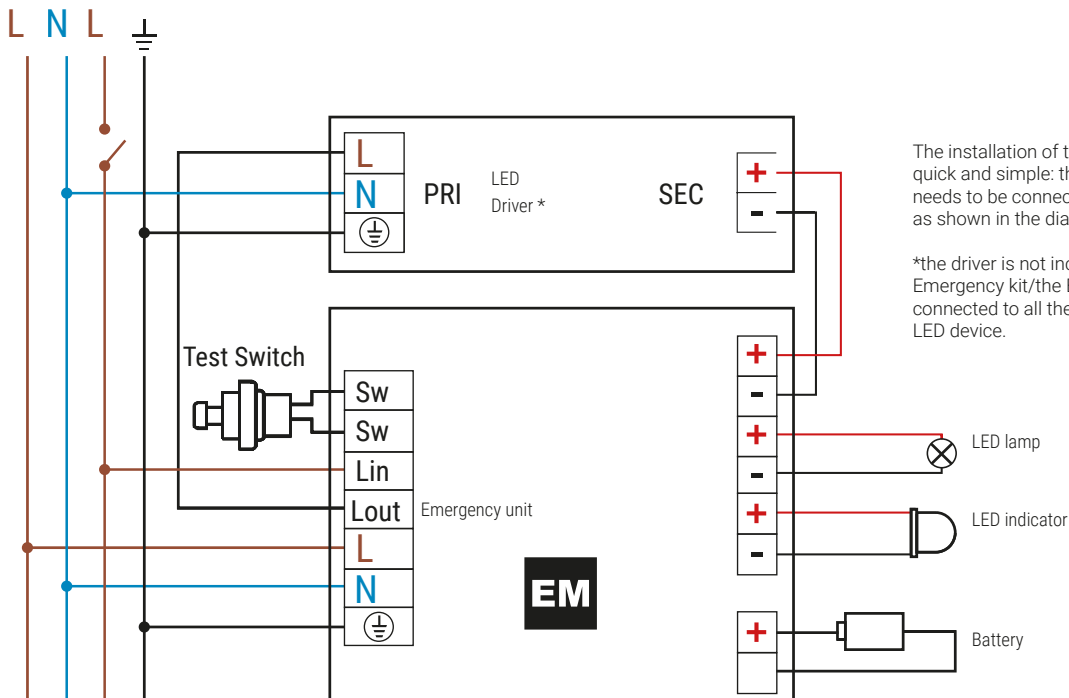
Frequency	50-60 Hz
Nominal input current	40 mA (30 A inrush current with cold start)
Output voltage (without load)	6-60V
TA Operating temperature	-25 +50 °C
Max casing temperature TC	70 °C
Control interface	Switch Line, Rest mode

Protections	Overtemperature, overload, overvoltage, short-circuit, open circuit
Charge current	200 mA
Emergency output current	400-40 mA
Emergency power	2,4W
Emergency output current	20 h

Reference norms	IEC 61347-2-7:2011, IEC 61347-2-7:2011/AMD1:2017, IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017, EN 61347-1:2015, EN 61347-2-7:2012+A1:2019, EN 55015:2013/A1:2015, EN61547:2009, EN 61000-3-2: 2014, EN 61000-3-3: 2013
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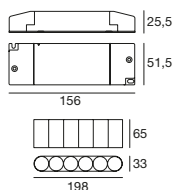
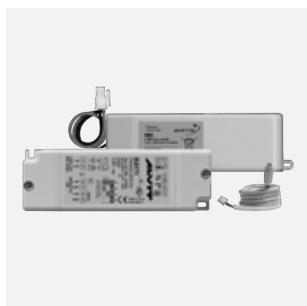


Unswitch Switch



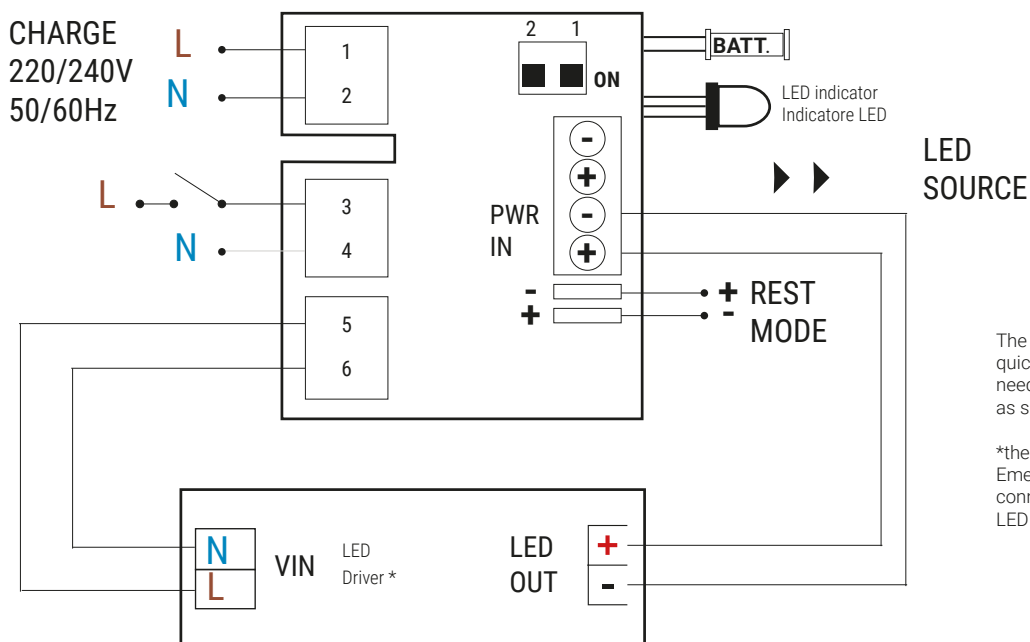
The installation of the Emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.



- Maintained or non maintained operation
- Suitable for electronic driver, dimmable electronic driver
- Adjustable version dip-switch, constant current or constant voltage to power LED to LED modules
- Connected to power supplies with maximum output voltage and current 90V and 2A
- Automatic operation
- High temperature NiCd batteries
- Charge indicator with FROR led cable
- Protection device against extensive discharge
- MAT4 DALI self diagnosis system with external module
- Charging device with supply is reinforced insulation able to recharge the battery normally after the test in clause 22.3 of the IEC 61347-2-7:2007.
- Supplied with 3,000 mAh battery pack.

	range	output	input	PF
KIT0014	Universal C.C.	9-57V 350-60mA	220~240V AC	0.5
	Universal C.V.	24V 2000mA		
Frequency	50-60 Hz			
Nominal input current	20 mA			
Outout voltage (without load)	9-57V C.C. / 24V C.V.			
TA Operating temperature	0 +50 °C			
Max casing temperature TC	70 °C			
Control interface	Switch Line, Rest mode			
Protections	Overtemperature, overload, overvoltage, short-circuit, open circus			
Emergency output current	350-60 mA C.C. / 2000mA C.V.			
Emergency power	3,4W			
Recharging time	24 h			
Reference norms	EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN61000-3-2			



The installation of the Emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

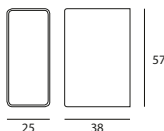
*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.

Defender | Over Voltage Protection

T3   IP65



46



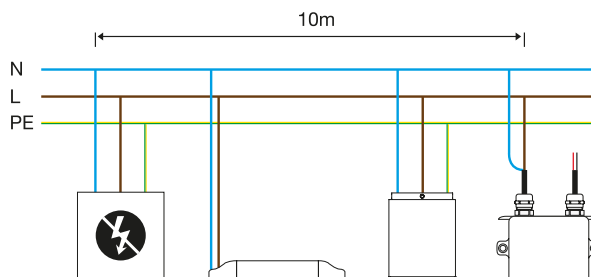
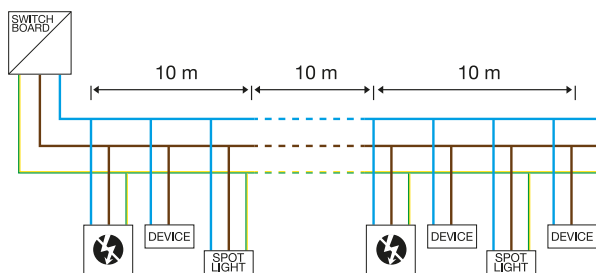
99341	U_N	I_N	I_{MAX}	I_{TOT}	U_{OC}	U_P
	230V AC	5kA	10kA	20kA	10kV	≤ 1.5kV

- U_N Nominal operating Voltage
- I_N Nominal impulse discharge current
- I_{MAX} Total impulse current (L+N+PE)
- I_{TOT} Max. total impulse current (L+N+PE)
- U_{OC} Surge protection level [L-N] [L+N-PE]
- U_P Voltage protection level [L-N] [L/N-PE]

Surge arrester for T3 indirect discharges (CEI EN 61643-11/A11) with test classification III (CEI EN 61643-11 Ed.1).
 Multi-pole overvoltage limiter with spark gap and varistors connected in series to the active phases.
 Construction type combining priming with limitation.
 Absence of leakage current.
 No subsequent mains current due to the combined varistor / spark gap series.

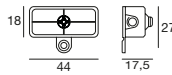
Installation rules

The installation of only one unloader for each line may not be sufficient to guarantee effective protection of the entire system.
 All luminaires installed at a distance of 10 m from the arrester are considered to be 100% protected.
 If the length of the cable between the arrester and the luminaires exceeds 10 m, it is advisable to renew the protection by placing another arrester near the devices to be protected (within 10 m).
 In order to guarantee the maximum level of protection, install the arresters according to the method described above for each line of the system.



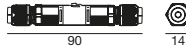
junction boxes

Junction box | connector gel 2 ways



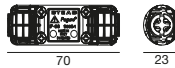
connectors	External Ø of the cable	
IP68 2x0,75 mm ²	Ø 4,8 ~ Ø 6 mm	98989

Junction box | connector 2 ways



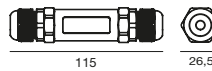
connectors	External Ø of the cable	
IP68 min. 2x0,25 mm ² max. 2x1,0 mm ²	Ø 3 ~ Ø 8 mm	98990

Junction box | connector gel 2 ways



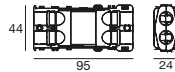
connectors	External Ø of the cable	
IP68 max. 3x1.5 mm ²	Ø 5,5 ~ Ø 10 mm	98991

Junction box | connector 2 ways



connectors	External Ø of the cable	
IP68 min. 2x0,5 mm ² max. 2x2.5 mm ²	Ø 7 ~ Ø 13,5 mm	84893

Junction box | connector gel 4 ways



connectors	External Ø of the cable	
IP68 max. 4x1,5 mm ²	Ø 6,5 ~ Ø 12 mm	84894

DMX accessories

Cable | DMX



connectors	sec. Ø	
order: x m / 84865	2 x 0,25 mm + shield	84865

Connectors | DMX



connectors	sec. Ø	L m	
XLR		3 M	84869
		3 F	84870
		5 M	99346
		5 F	99379

.....	GND	1
—	B	2
—	A	3



84869



84865



84870

Ø 21,5 mm

.....	GND	1
—	B	2
—	A	3
—		4
—		5



99346



84865



99379

Ø 21,5 mm

credits



Krujë castle
Rruga Kala, Krujë
(Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli



H-FARM
Treviso (Italy)

Project: Zanon Architeti Associati

Lighting Designer:
Linea Light Group

Photography:
Thestudio.ocks



Hendress + Hauser
Cernusco (Italy)

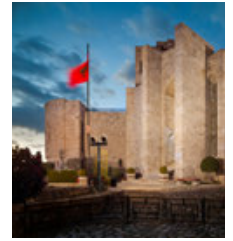


Capricorn Bridge
Dusseldorf (Germany)

Lighting design:
Jack Be Nimble

Project: Arch. SUPERGELB Architekten

Photography: HGEsch



Krujë castle
Rruga Kala, Krujë
(Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli

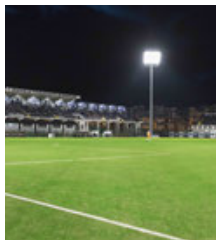


Parkhaus Zeche Zollverein

Essen (Germany)

Project: Arch. Dreßler Bau GmbH, Essem Herr Pauli

Lighting Designer:
Engineer Büro Paulus Essen, Herr Gräf



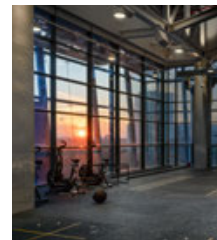
Stadio A. Nobile
Lentini (Italy)

Project: Arch. Baldi Margheriti Associati

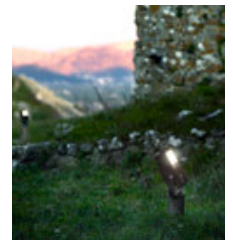
Photography:
Mauro Cippitelli



Margraf
Verona (Italy)



McFit
Roma (Italy)



Rozafa Castle
Shkodër (Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli



Rozafa Castle
Shkodër (Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli



Rotocart HQ
Treviso (Italy)

Photography:
Quasar



Casearia Monti Trentini
Trento (Italy)

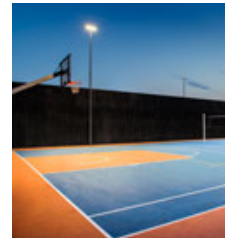
Photography:
Sebastiano Mescolotto



Four Seasons Astir Palace Hotel
Athens (Greece)

Lighting Designer:
L+DG Lighting Architects

Photography:
Gavriliux Papadiotis



H-FARM
Treviso (Italy)

Project: Zanon Architeti Associati

Lighting Designer:
Linea Light Group

Photography:
Thestudio.ocks



H-FARM
Treviso (Italy)

Project: Zanon Architeti Associati

Lighting Designer:
Linea Light Group

Photography:
Thestudio.ocks



Rotocart HQ
Treviso (Italy)

Photography:
Quasar



Rotocart HQ
Treviso (Italy)

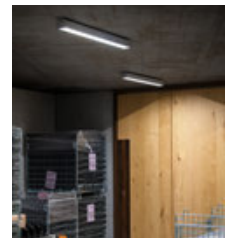
Photography:
Quasar



Residence Civico 3.9
Castelfranco Veneto
(Italy)

Project: Arch. Studio Architeti Associati Giampietro & Stefano Cinel

Photography:
Thestudio.ocks



Podversic Damijan Cellar
Gorizia (Italy)

Project:
Arch. Massimiliano Zanon

Photography:
Thestudio.ocks



Sarbo S.p.a
San Vendemiano
Treviso (Italy)



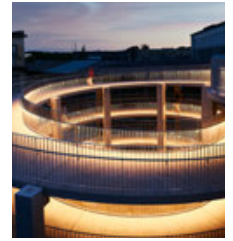
Rotocart HQ
Treviso (Italy)
Photography:
Quasar



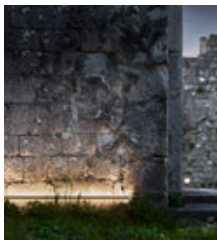
Rotocart HQ
Treviso (Italy)
Photography:
Quasar



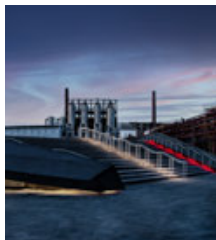
Casearia Monti Trentini
Trento (Italy)
Photography:
Sebastiano Mescolotto



Attisholz
Riedholz (Switzerland)
Project: Arch. BA&P
Borer Architektur und
Partner AG



Rozafa Castle
Shkodër (Albania)
Lighting Designer:
Fulvio Baldeschi
Photography:
Pietro Savorelli



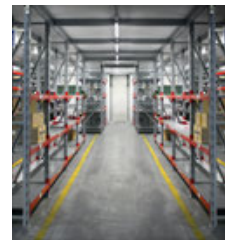
**Parkhaus Zeche
Zollverein**
Essen (Germany)
Project: Arch. Dreßler Bau
GmbH, Essem Herr Pauli
Lighting Designer:
Engineer Büro Paulus
Essen, Herr Gräf



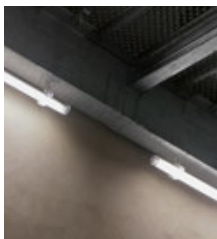
Proton therapy Center
Trento (Italy)



**Metro station
National Gallery**
Oslo (Norway)



Sarbo S.p.a
San Vendemiano
Treviso (Italy)



Private project
Vicenza (Italy)



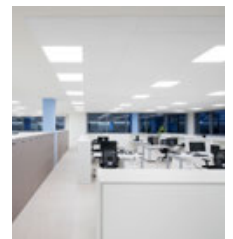
Private project
Vicenza (Italy)



**Children school"
of Abredo**
Castione di Bellinzona
(Switzerland)



Hendress + Hauser
Cernusco (Italy)



Hendress + Hauser
Cernusco (Italy)



ITOP
Roma (Italy)



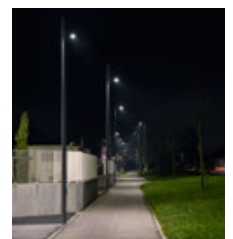
Hendress + Hauser
Cernusco (Italy)



H-FARM
Treviso (Italy)
Project: Zanon Architetti
Associati
Lighting Designer:
Linea Light Group
Photography:
Thestudio.rocks

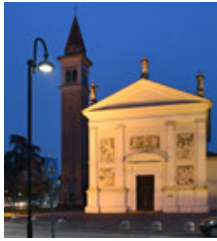


H-FARM
Treviso (Italy)
Project: Zanon Architetti
Associati
Lighting Designer:
Linea Light Group
Photography:
Thestudio.rocks



Private project
Treviso (Italy)

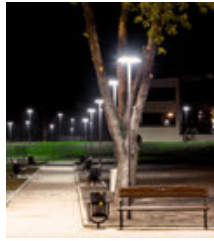
credits



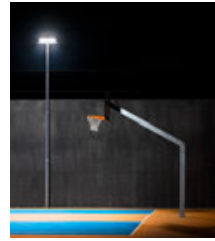
Private project



Private project



Private project

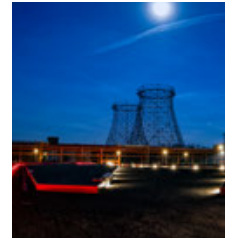


H-FARM
Treviso (Italy)

Project: Zanon Architeti Associati

Lighting Designer:
Linea Light Group

Photography:
Thestudio.rocks



Parkhaus Zeche Zollverein

Essen (Germany)

Project: Arch. Dreßler Bau GmbH, Essem Herr Pauli

Lighting Designer:
Engineer Büro Paulus Essen, Herr Gräf



CC GranRoma
Roma (Italy)

Photography:
Matteo Canestraro



how to read symbols

	Indoor installation		Digital Addressable Lighting Interface Push
	Outdoor installation		Technology Wireless i-Lèd
	Ceiling mounting		RDM, DMX 512
	Ceiling or wall mounting		DMX 512
	Ceiling, wall or ground mounting		Simply DIM
	Protection index (IEC 60529) against foreign bodies and water		0/1-10V
	Protection index (IEC 62262) against external mechanical impacts		Comfort light UGR
	Protection against high-pressure and high-temperature washes		Compliance with TV broadcast requirements
	With protection, compliant with standards EN13964 (annex D) and DIN 57710-13.		Autocontrol system
	Wicking control valve		Infrared
	Stainless steel		Motion sensor
	Tilting light beam		External antenna
	Emergency version available		Power supply with safety transformer
	Power supply cable included		Thermally protected power supply
	Device suitable to be mounted on furniture		Independent power supply
	Driver included		Over Voltage Protection
	Driver not included		Smartwave™
	Class I - IEC protection class		Vertical wind exposure indicator
	Class II - IEC protection class		Horizontal wind exposure indicator
	Class III - IEC protection class		Professional lighting systems for indoor cultivation
	Surge protection		
	Protection against electrostatic discharge		
	Version suitable for EX zone (ATEX)		
C.C.	Constant Current		
C.V.	Constant Voltage		
	Digital Addressable Lighting Interface		
	Digital Addressable Lighting Interface		

Connection schematics for electronic items are available within the technical documents.

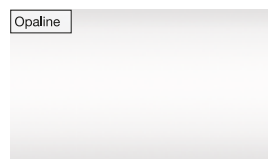
finishes materials



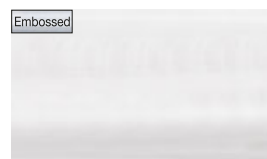
Traffic White | RAL 9016
(Edith / Indy)



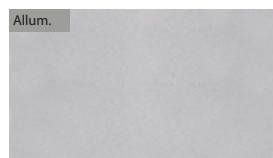
Signal White | RAL 9003



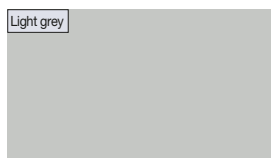
Opaline



Embossed



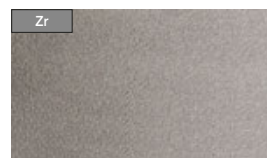
Aluminium



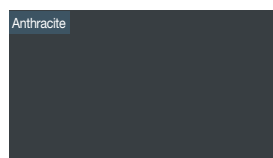
Light grey | RAL 7035



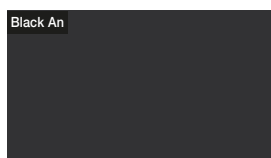
Grey



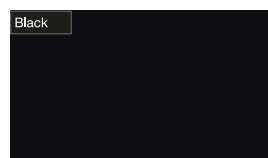
Zirconium Grey



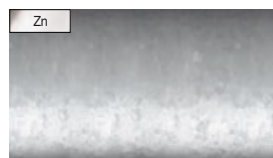
Anthracite grey | RAL 7016



Black anodized



Jet Black | RAL 9005



Galvanized steel



Signal Yellow | RAL 1003

The drawings, the measurements, the materials and the colours in this catalogue are understood to be indicative. In the interest of the clientele, the company reserves the right to modify the models at any time and without any obligation of advance notice.

The indication of the Italian flag in this catalogue is purely indicative. The products could be of origins other than those indicated.

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