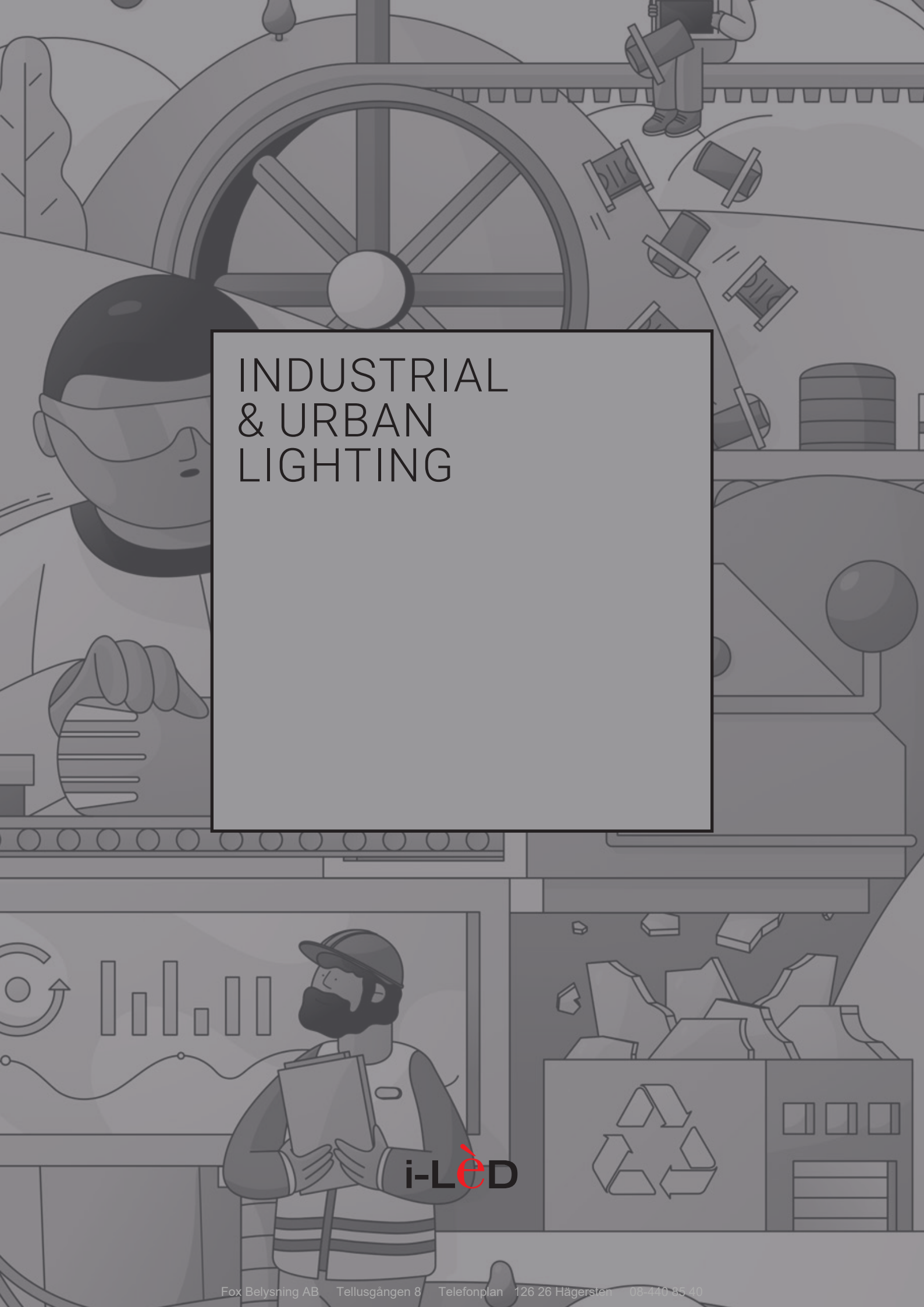

INDUSTRIAL & URBAN LIGHTING

i-LED

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INDUSTRIAL, STREET & URBAN PROFESSIONAL LIGHTING

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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.

linea light group

i-LèD professional | i-LèD industrial | Decòrative | STILNOVO

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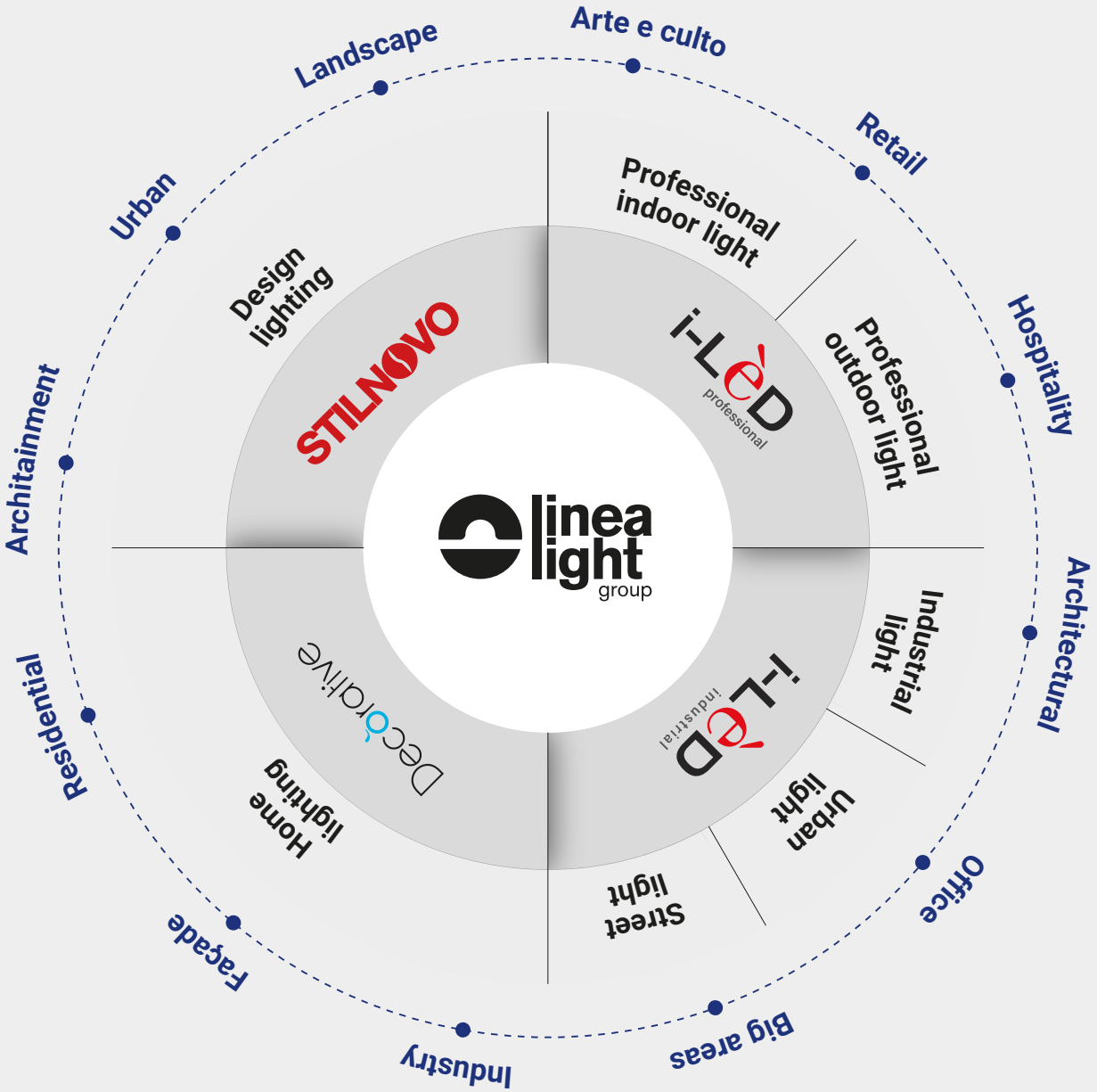

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INTERNATIONAL COMPANY

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

Headquarter
Hub-Branches
Branches

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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.

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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.

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Krujë castle | Rruga Kala, Krujë, Albania

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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

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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.

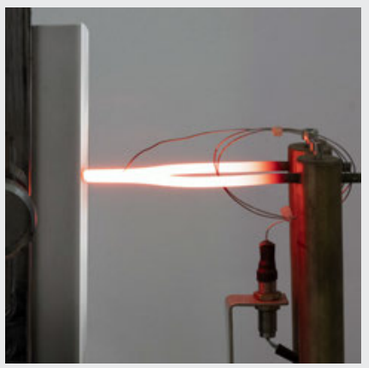
TEST

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 uplights 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

Siliconing of
the diffuser.

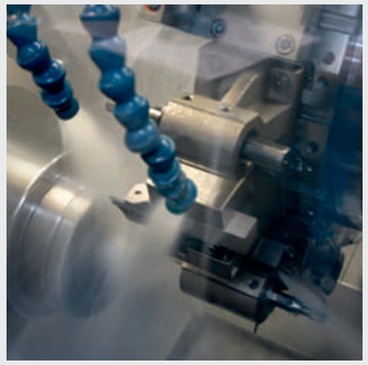
PRODUCTION

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

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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

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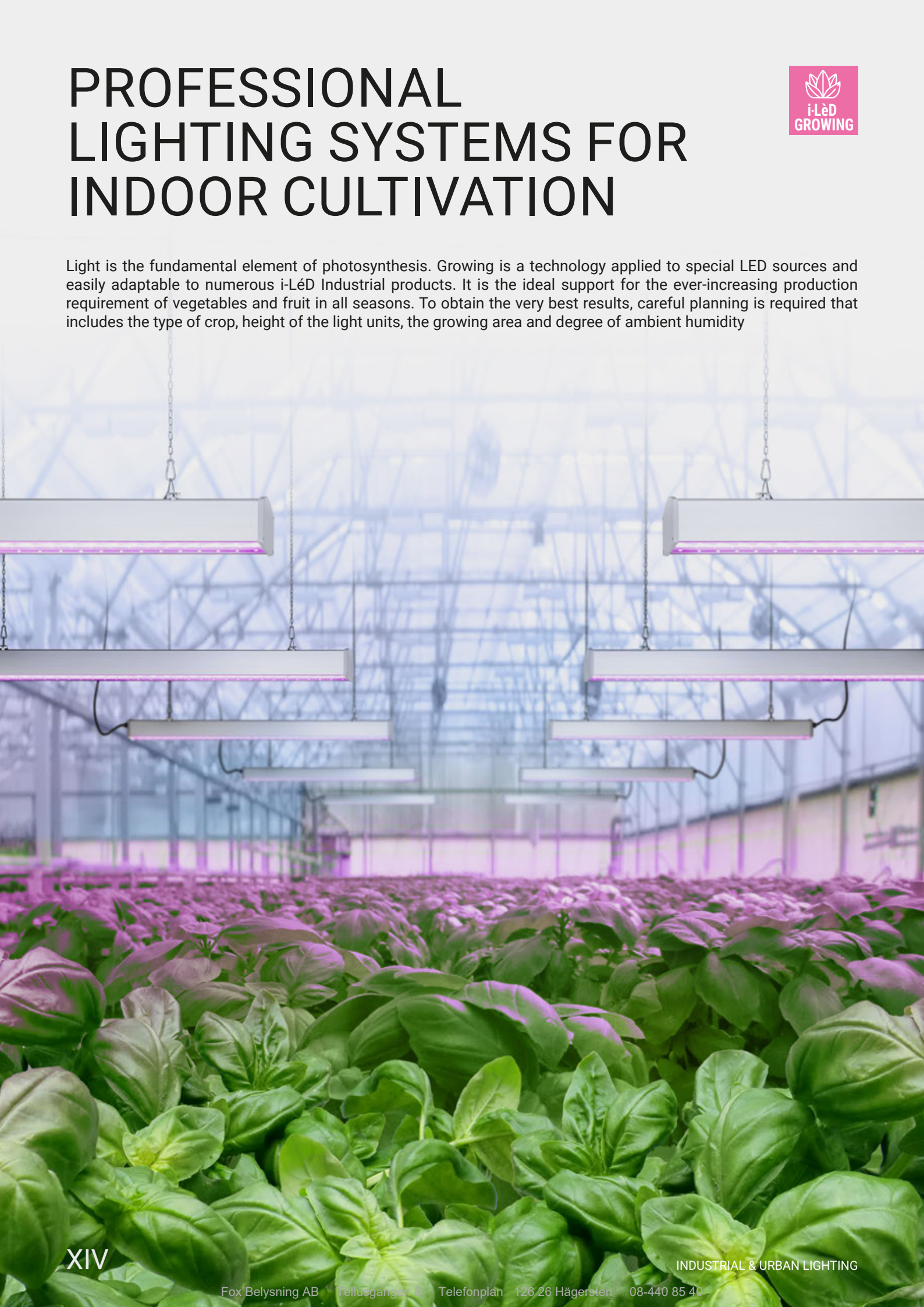
PROFESSIONAL LIGHTING SYSTEMS FOR INDOOR CULTIVATION

i-LèD GROWING

Light is the fundamental element of photosynthesis. Growing is a technology applied to special LED sources and easily adaptable to numerous i-LéD 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

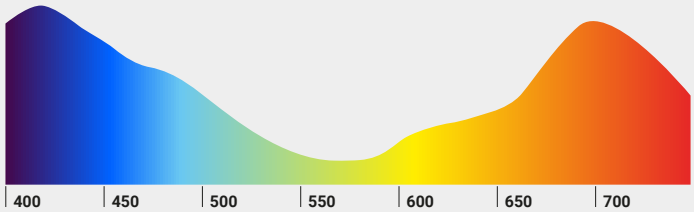


THE RIGHT LIGHT AT ANY TIME, IN ANY SEASON

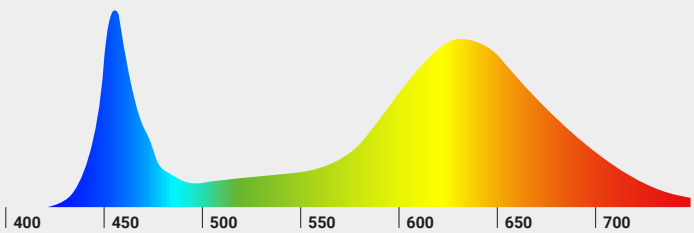
Growing technology can be applied to the various products of the i-LéD Industrial collection, which allows the greenhouses to remain constantly illuminated, regardless of the weather conditions. Whether it is sunny or totally overcast, the lights, equipped with this technology, make it easier to maintain 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 it 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.



Light spectrum absorbed by plants



Hybrid emission spectrum optimised to have wavelengths useful to a specific use

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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

°C TEMPERATURE CHECK

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

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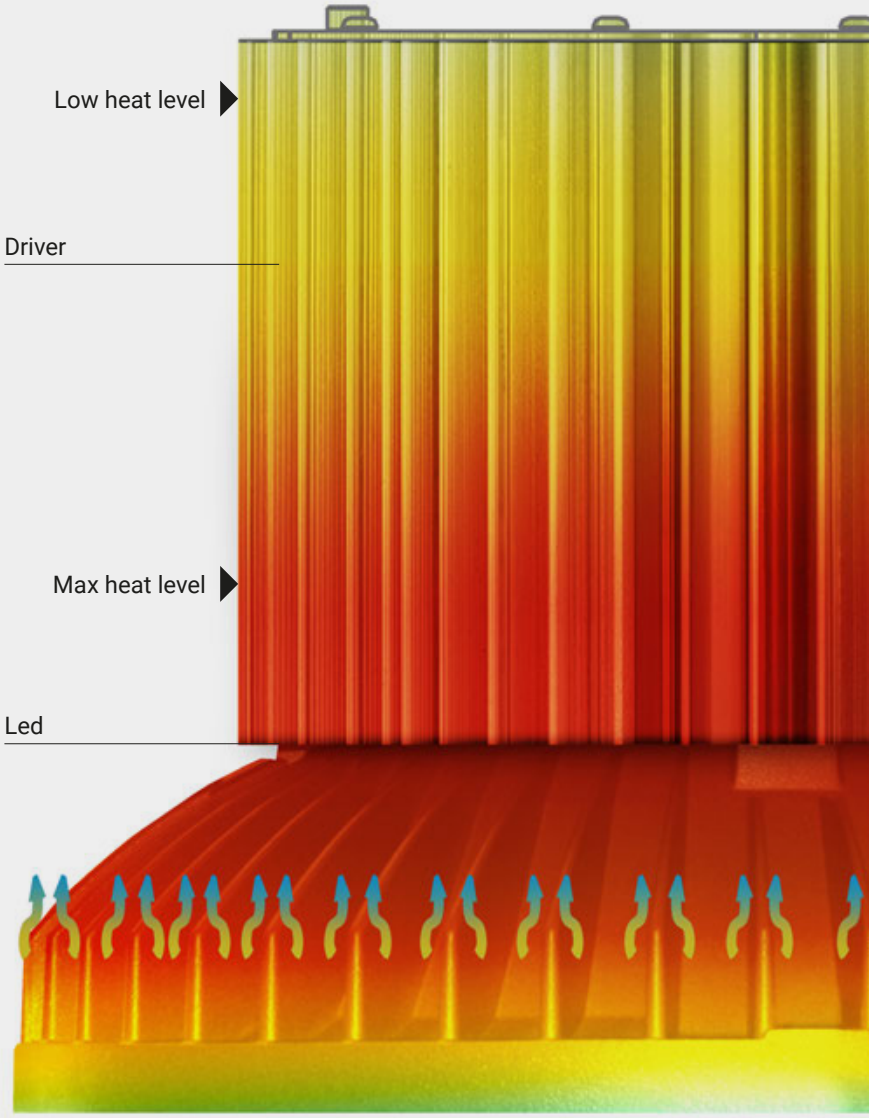
EVERY FIXTURE IS RESEARCHED AND DESIGNED TO EXPRESS THE MAXIMUM POTENTIAL OF THE SOURCE

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 >**

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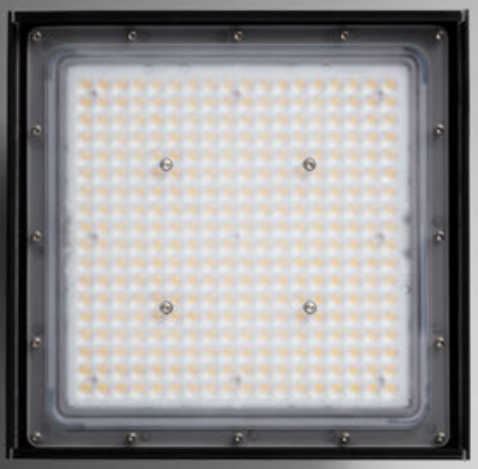

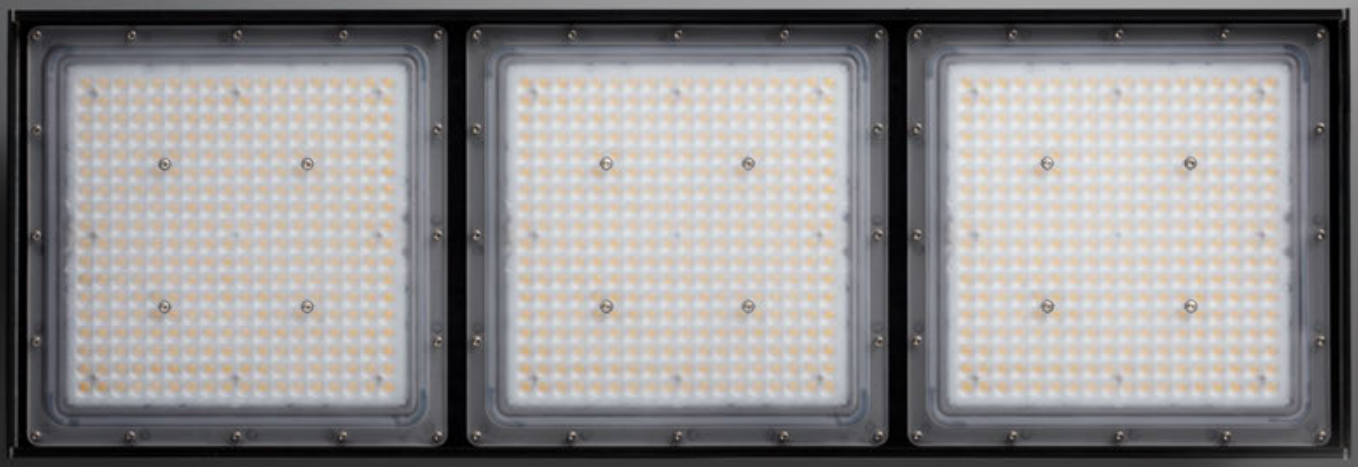

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ELECTRONIC HEART

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:

OVP

Surge protection

ESD

Protection against electrostatic discharge

Thermal protection to prevent abnormal overheating

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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.

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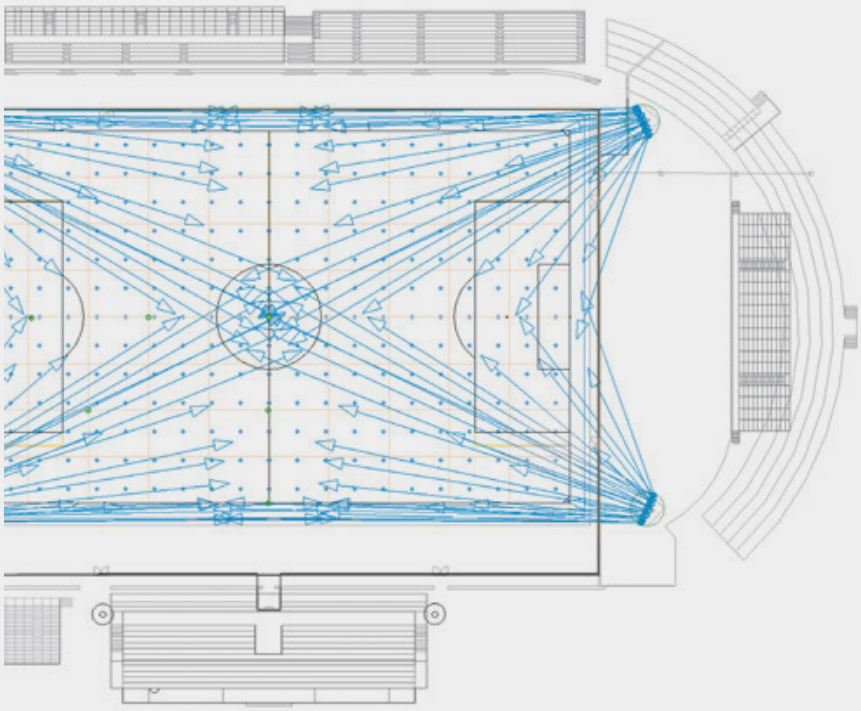
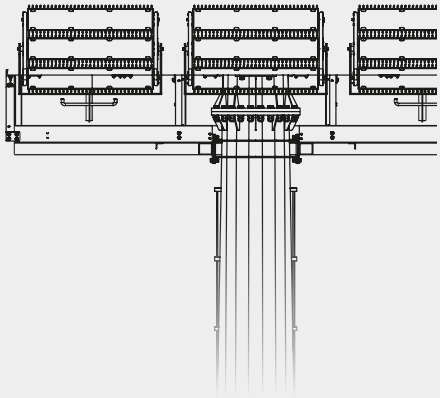
FROM DESIGN TO REALITY





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.

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Stadio A. Nobile | Lentini, Italy

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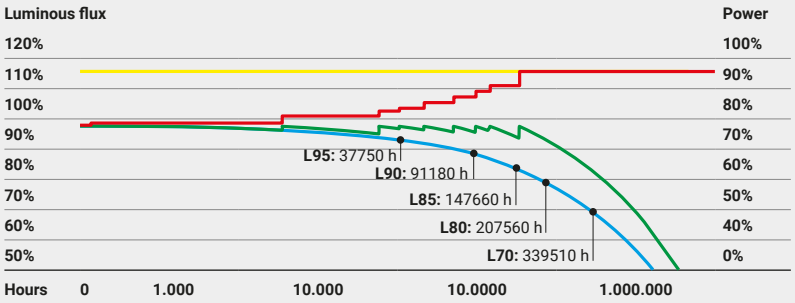
CONSTANT LIGHT FLUX

CLF

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.



Luminaire power with **CLF** technology
Standard on/off luminaire power without **CLF**
Luminous flux of standard on/off luminaire without **CLF**
Luminaire luminous flux with **CLF**

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%	
10.000	83,2%	97,5%	**~100%**
30.000	84,8%	96,25%	
37.750	86%	95%	The luminous flux is kept at a constant level
50.000	88%	93,75%	
70.000	90%	92,5%	(non perceptible variations from the human eye)
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 flamp without CLF	Fixture Flamp 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

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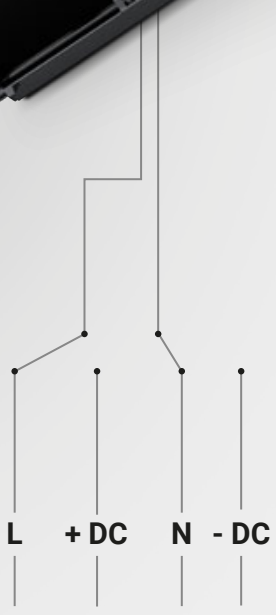
UPS

COMPATIBLE FIXTURES IN DIRECT CURRENT

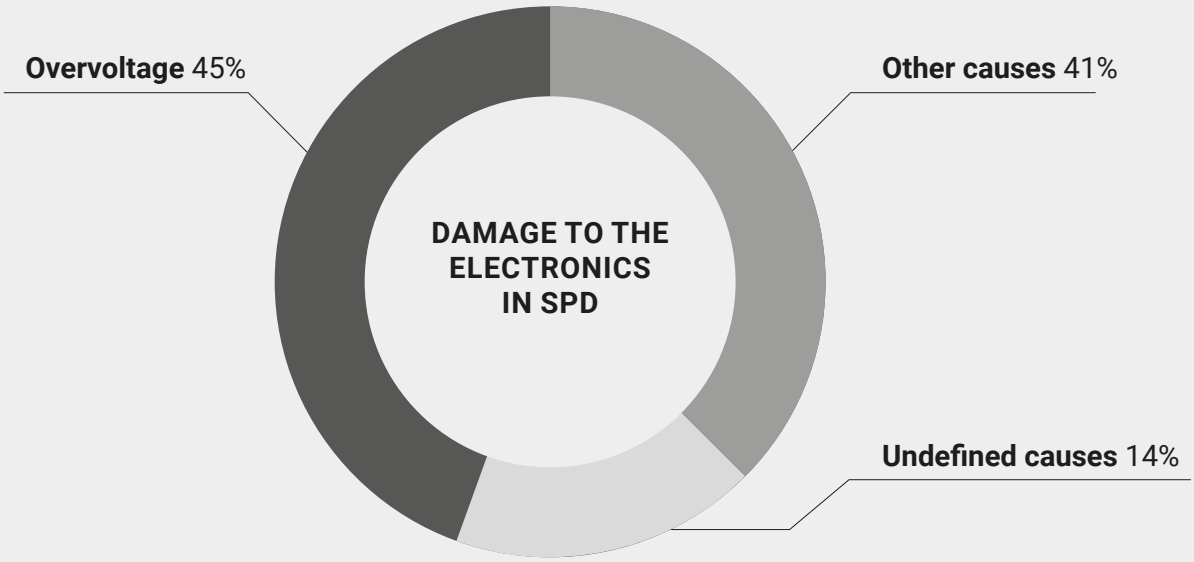
All our light fixtures with power equal to or greater than 100W AC work both in alternating current (190/305Vac 50/60Hz) and direct current (186/275Vdc), therefore, they lend themselves well for use as emergency lighting in compliance with the prevailing standards.



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

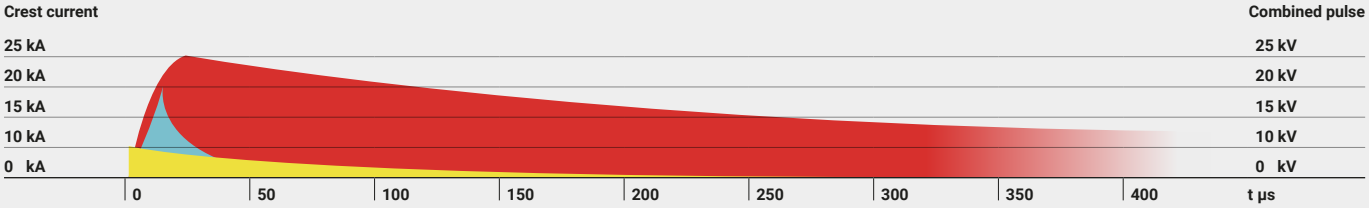
SPD

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 lighting 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 µs) and with the nominal In discharge current (8/20 µs)	10/350 µs	limp 25 kA	-
Class 2 SPD	Type 2 SPD T	Overvoltage limiter	Tested with nominal In discharge current (8/20 µs) and with maximum Imax discharge current (8/20 µs). The Imax, nevertheless, is neither useful nor usable to choose the SPD	8/20 µs	limp 20 kA	-
Class 3 SPD	Type 3 SPD T	Overvoltage limiter	Tested with the combined generator that applies Uoc no-load voltage (1,2/50 µs) and in short circuit a presumed In current (8/20 µs)	1,2/50 µs	-	10 kV



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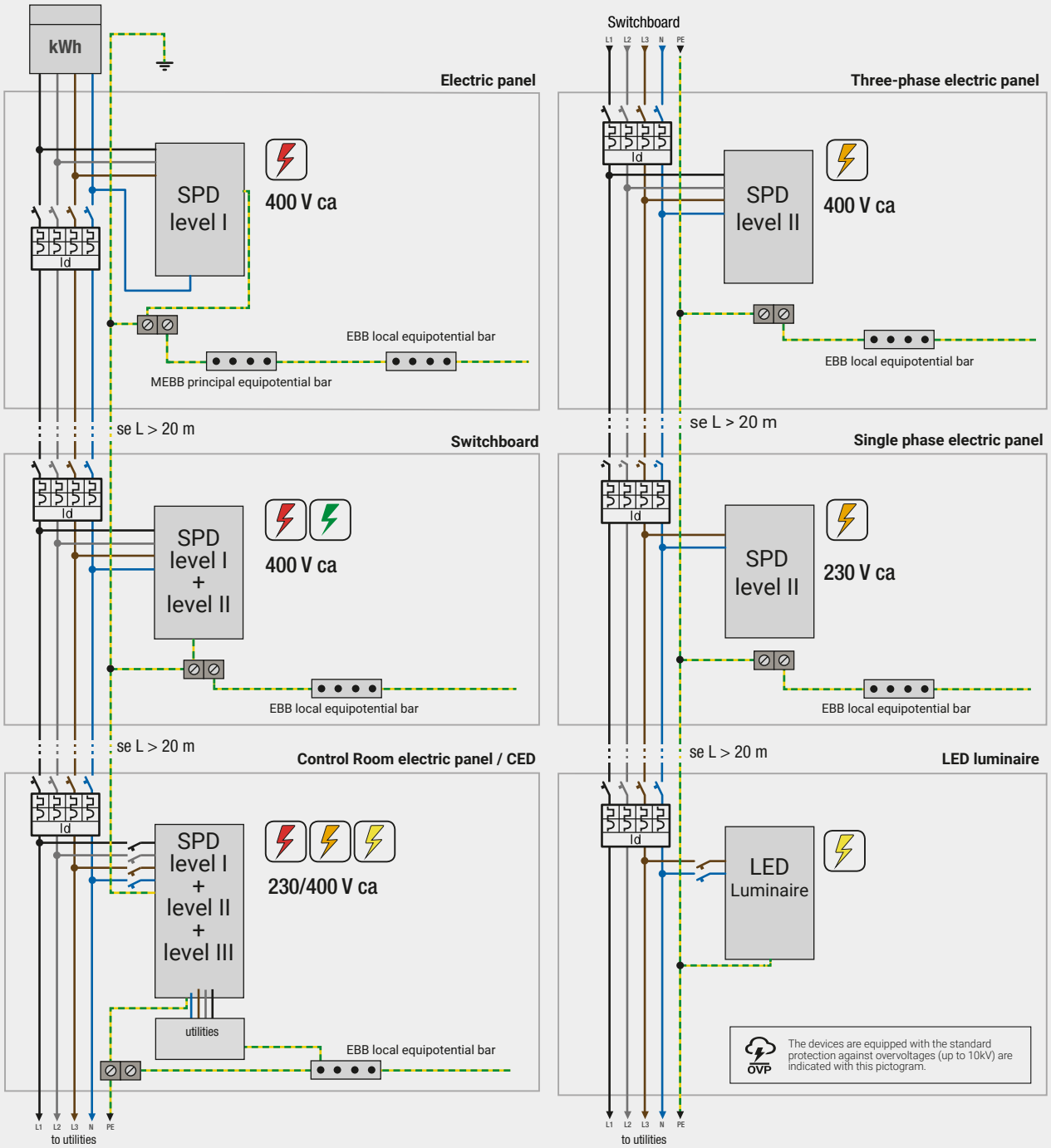
OPTIMAL ELECTRICAL SYSTEM

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



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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 lightconnection

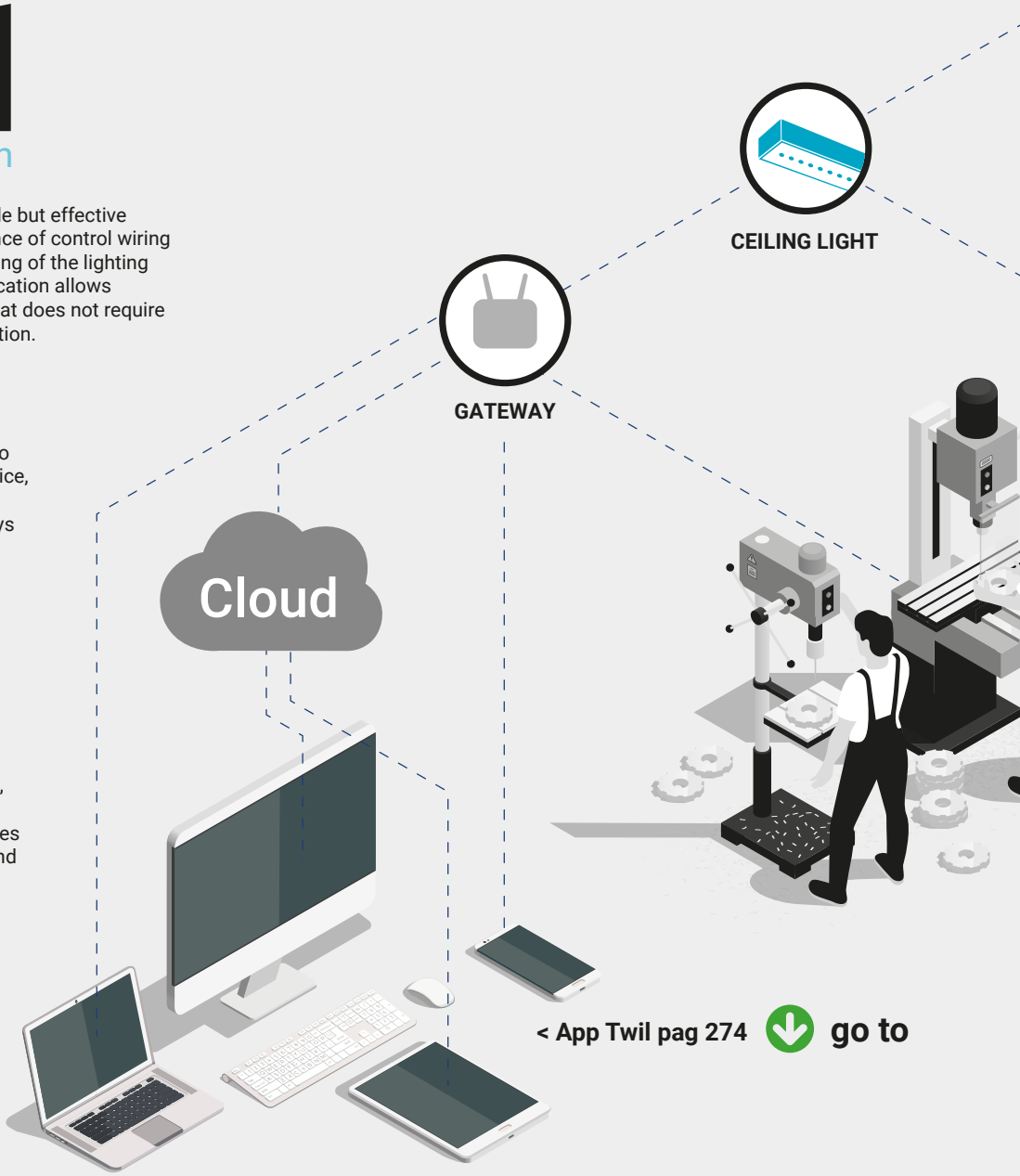
Twil light connection introduces a simple but effective connection system, thanks to the absence of control wiring it is in fact possible to vary the positioning of the lighting fixtures. The Twil light connection application allows complete interaction with the system that does not require a pre-existing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

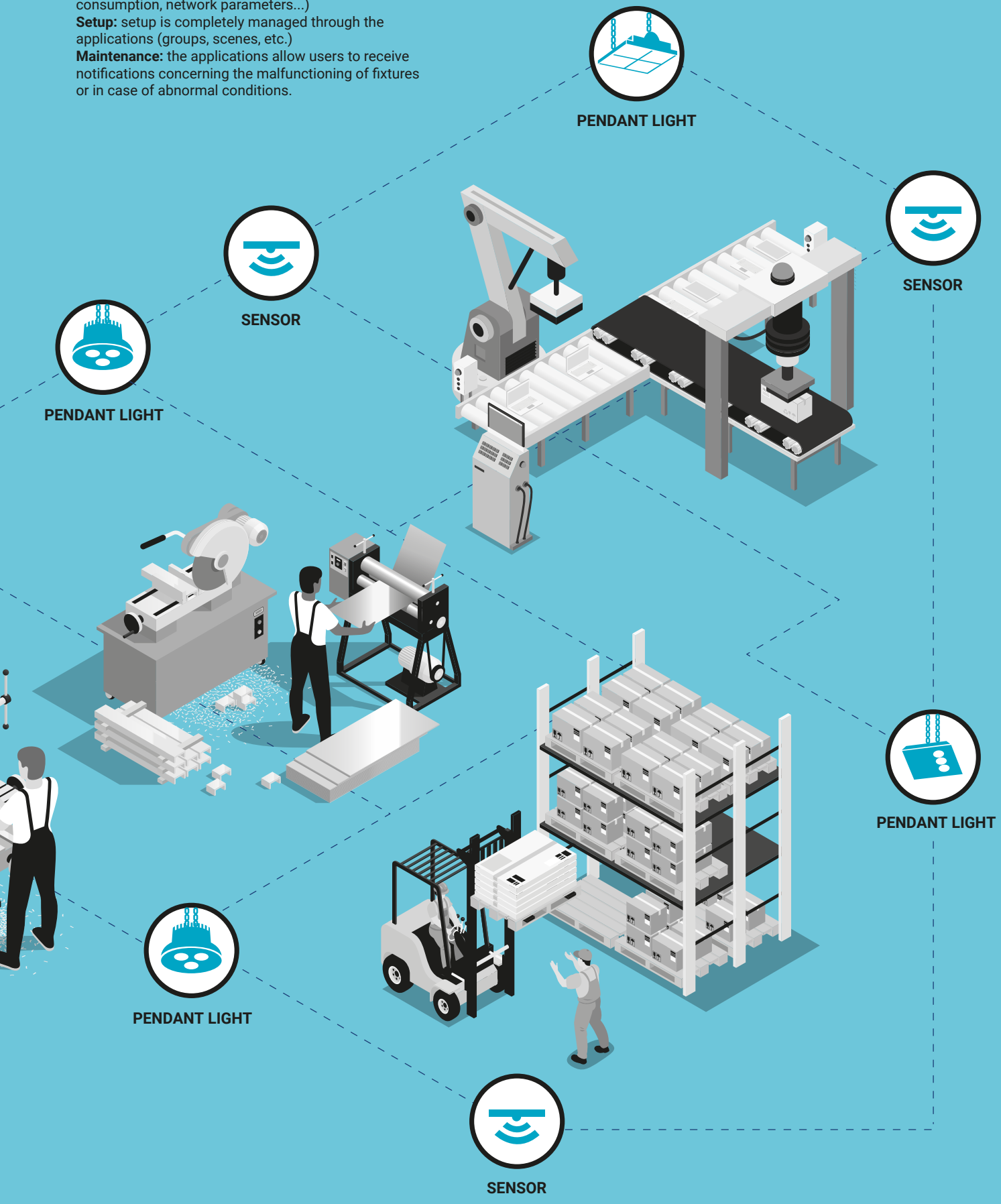
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.



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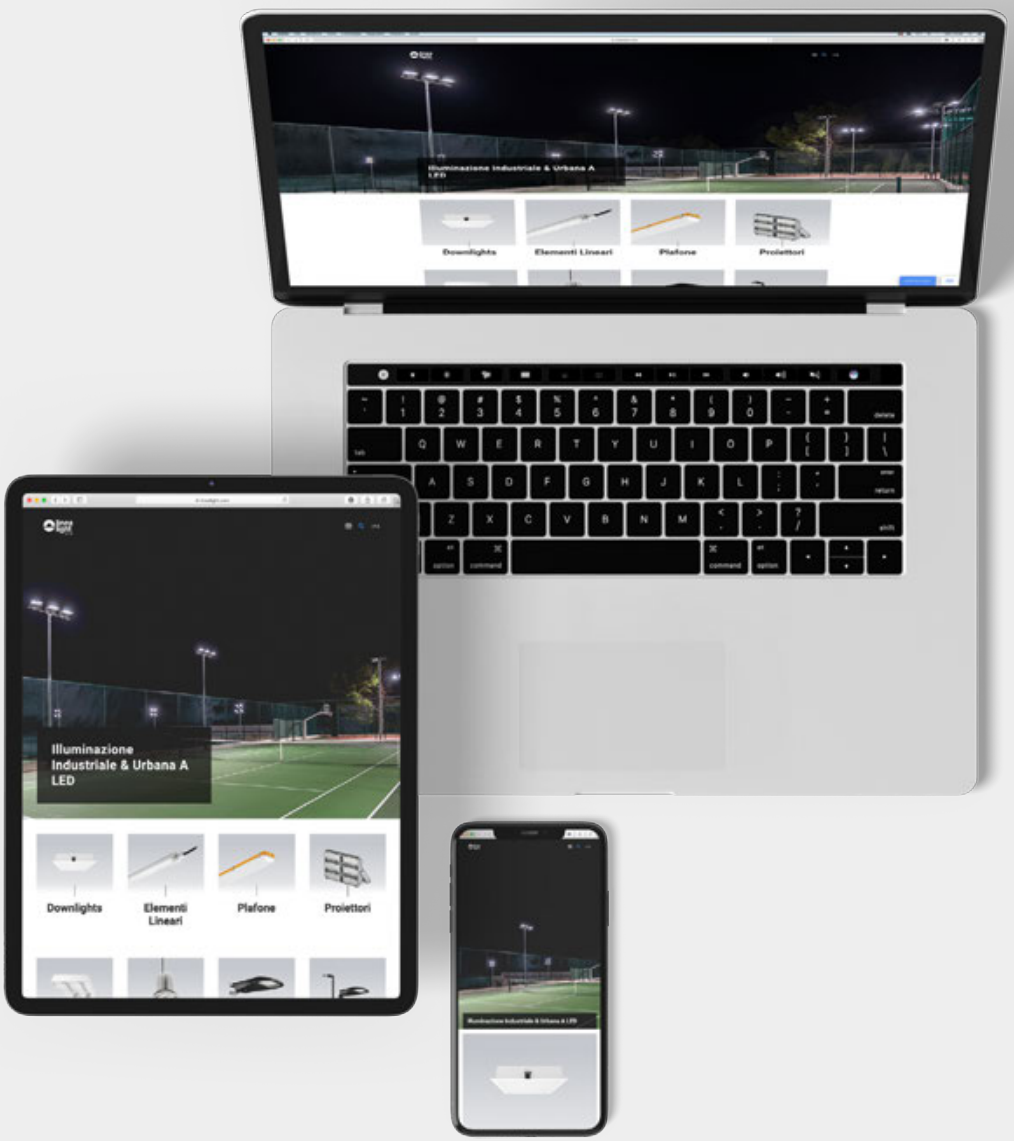
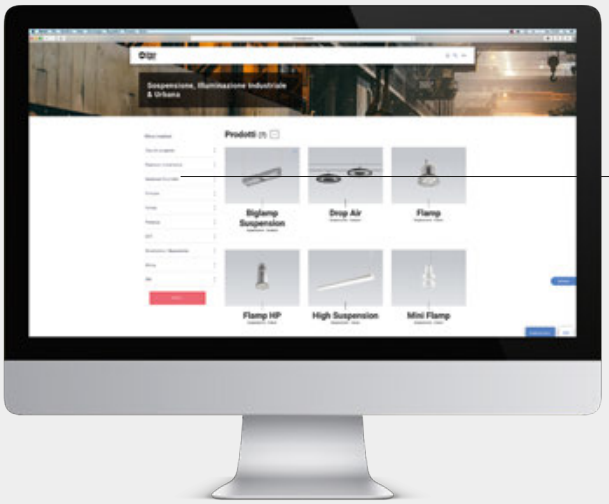
ALL INFORMATION JUST A CLICK AWAY

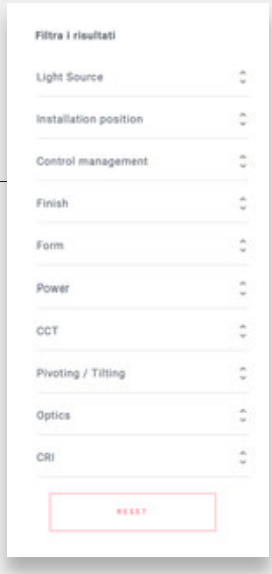
Always and everywhere, the website is a container of information and news on the whole world of Linea Light Group. A constantly updated tool where it is possible to find project references, training articles, but also advanced code search systems, as well as offering “comparison” solutions for comparing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



XXX

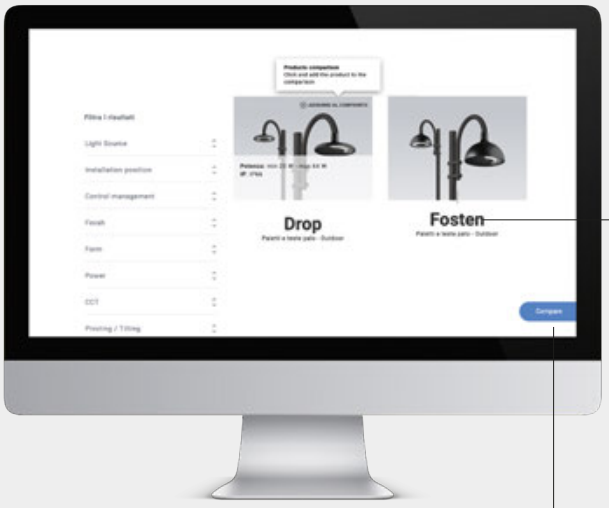
INDUSTRIAL & URBAN LIGHTING





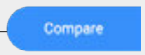
Search using filters

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.

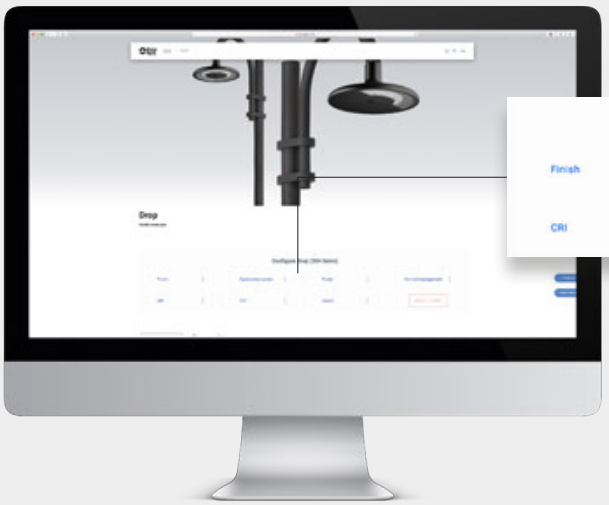


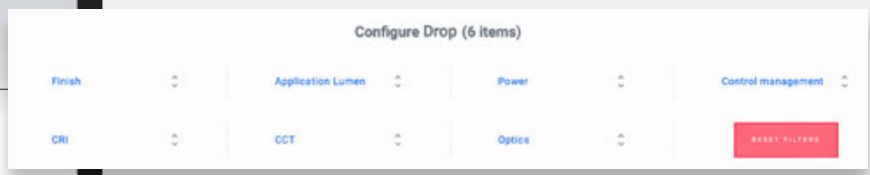
If you are undecided, compare the products!

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.



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.

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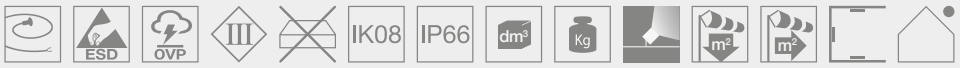
Margraf | Verona, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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		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°)

Code and Colour temperature

lm-S Lumen Source

lm-D Lumen Delivery

Code Optics

Angle of opening of the light beam

The effective flux **(lm-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	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

Accessories Pag. 38

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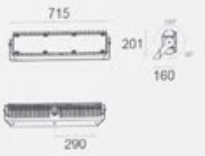
Biglamp Pro | Projector | powerLED | 450 W DC



C.C. - 3600 mA - CRI 70

Allum. **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 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	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 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

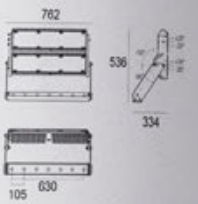
Allum. **84438**

Cct	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 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	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 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	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 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	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 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

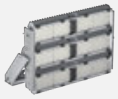
The Driver and Control equipment is to be considered for each individual module (2x)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

general range index

Projectors & Pendants

Prolamp new 12

Biglamp new  28

Multilamp new 40

Flamp new 48

Mini Flamp 58

Ceiling light

Alux new 66

Alix new 76

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Mini Tube 90

Maxi Tube new 100

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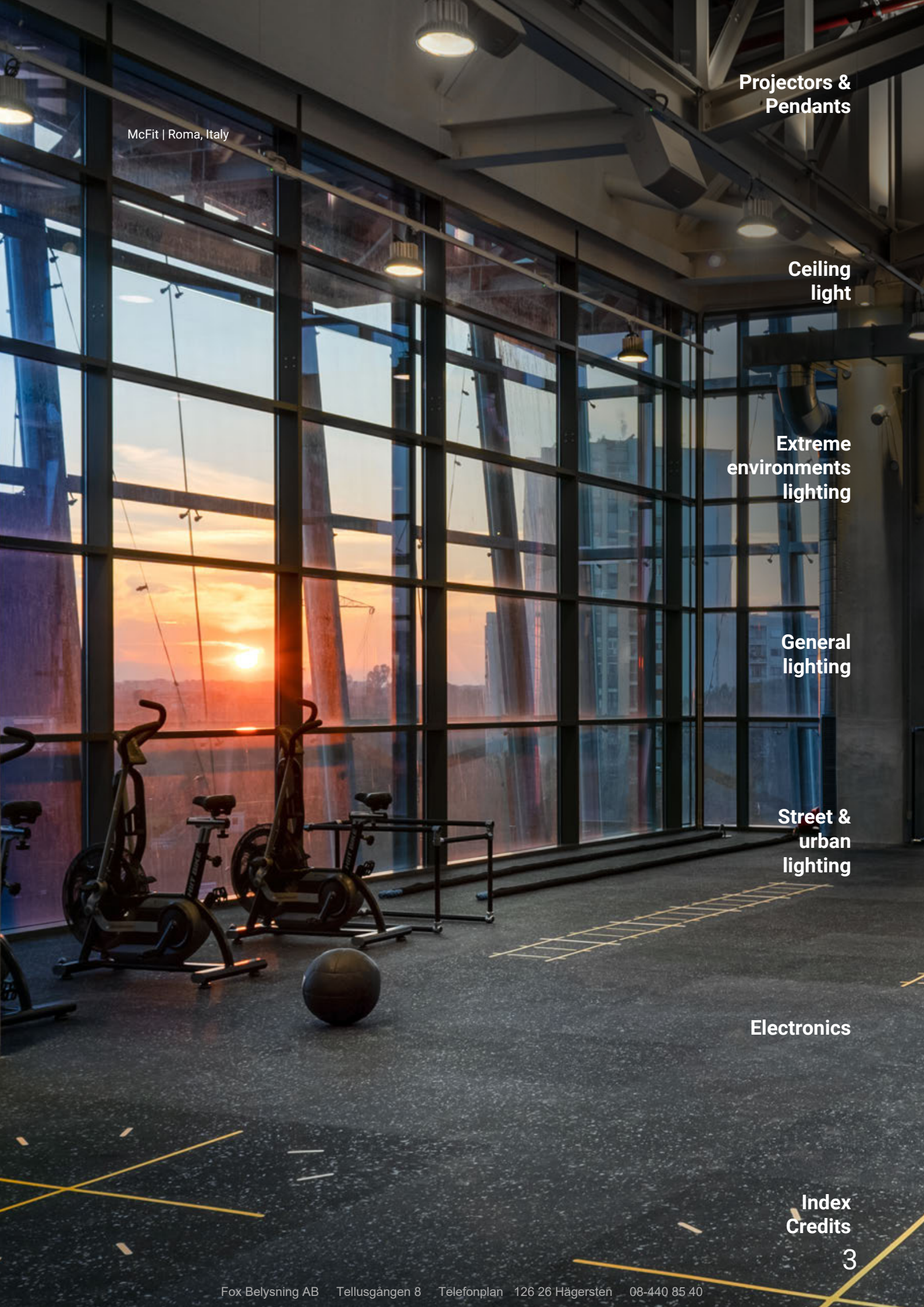
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



McFit | Roma, Italy

Projectors & Pendants

Ceiling light

Extreme environments lighting

General lighting

Street & urban lighting

Electronics

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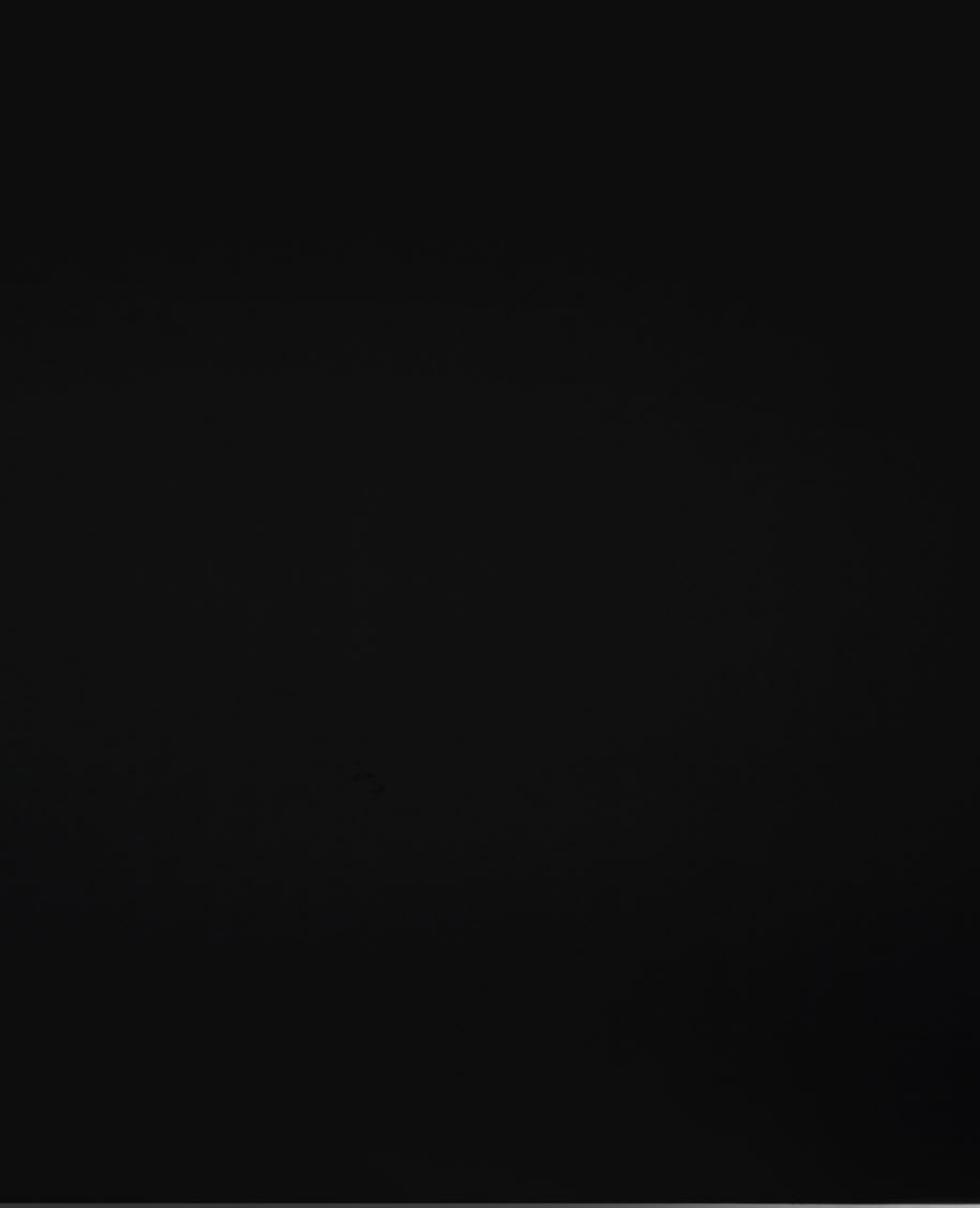
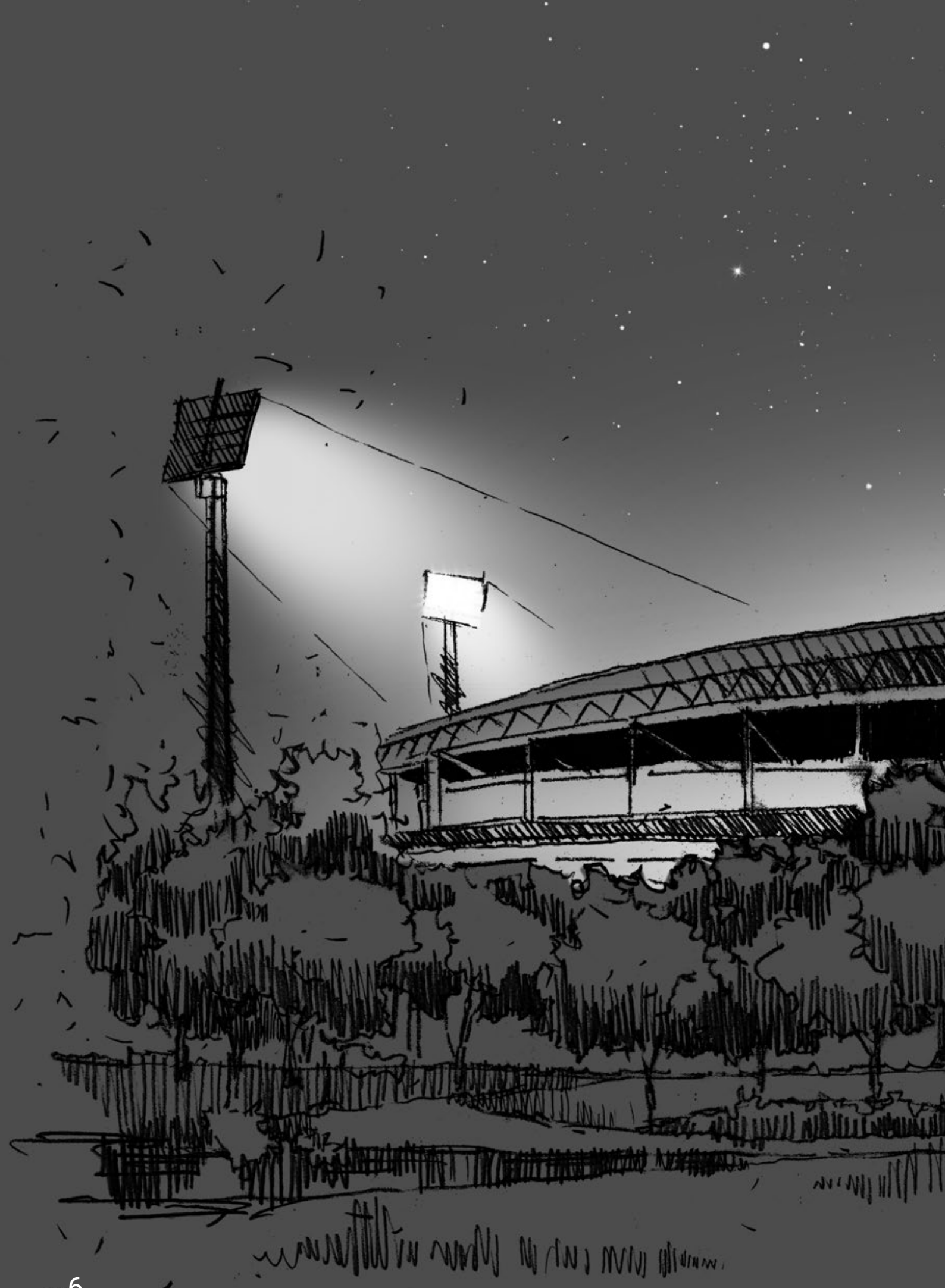
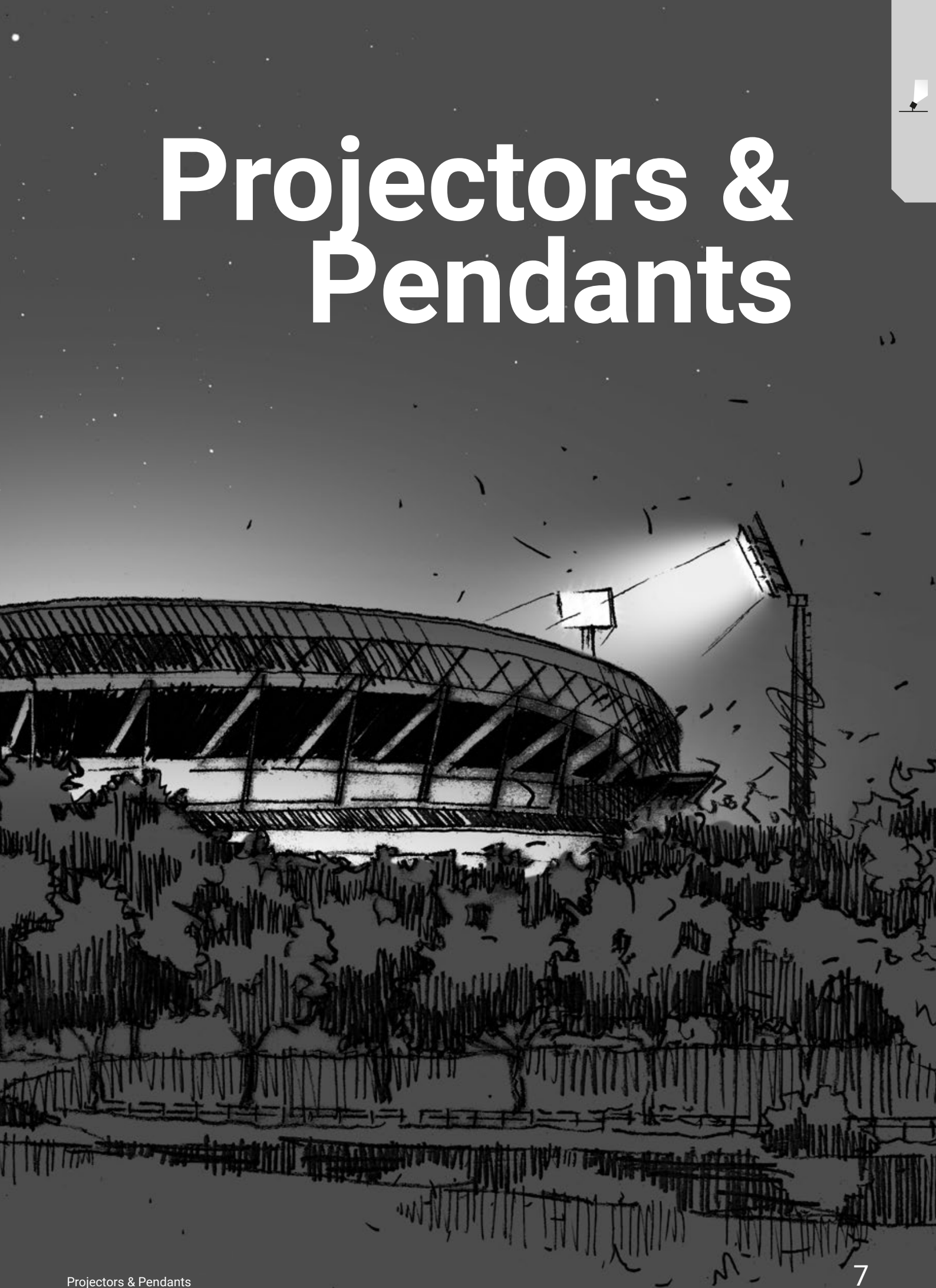
Credits



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



Projectors & Pendants



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projectors range index

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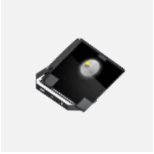
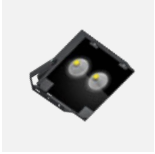
Prolamp

40W	80W	100W	120W	150W
		new		new
18	18	18	19	19

180W	200W	250W	280W
	new		
19	19	20	20

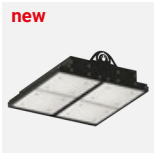
Biglamp

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

Biglamp Pro

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

Multilamp

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

Prolamp_P

120W	150W	180W	200W	250W	280W
new	new	new	new	new	new
24	24	24	24	25	25

Biglamp_P

300W
new
32

Multilamp

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

Flamp

100W	130W	150W	180W	200W	245W	280W
	new		new		new	
52	52	52	52	53	53	53

Mini Flamp

50W
59

Private project

Box Belysning AB Svetsargatan 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Telefon 08-440 85 40

prolamp

Materials
Body in die-cast aluminium.
Tempered glass.
EPD treated iron bracket,
power-coated in RAL9005.

Fox Belysning AB · Tellusgatan 8 · Telefonnr: 126 26 Hägersten · 08-440 35 40

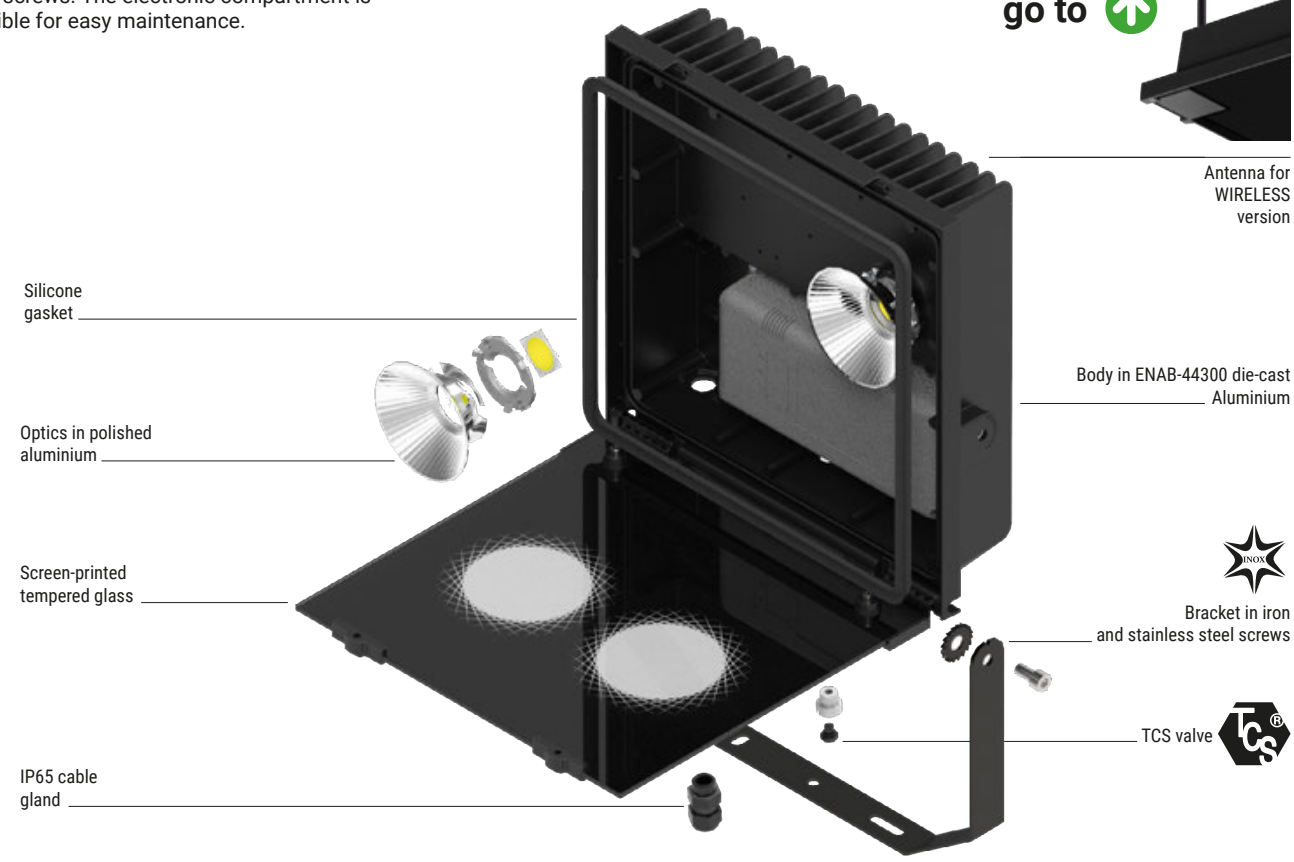
prolamp range

	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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.



Ball test

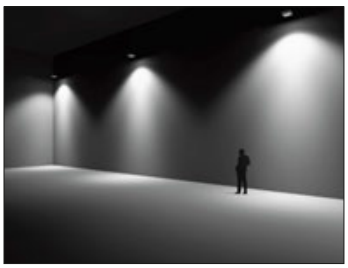
IK08 → IK10

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

Metallic cage to protect against impact.

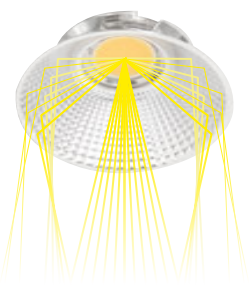
Technical lighting characteristics

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

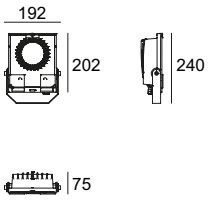


Rozafa Castle | Shkodër, Albania

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP66 4,9 1,7 0,03 0,01



	CRI 80	CRI 80 - DALI
Black	**82270**	**82271**

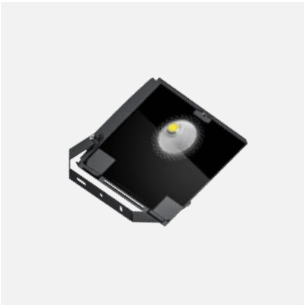
Cct		lm S - D
W	3000	4870 - 3542
N	4000	5140 - 3741
C	5000	5199 - 3855

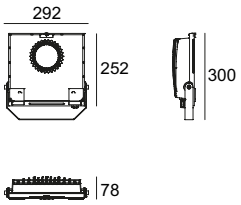
Optic		
30	Spot	(21°)
60	W.Flood	(54°)
90	E.W.Flood	(93°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 20

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

IK08 IP66 9 3,8 0,06 0,02





	CRI 80	CRI 80 - DALI
Black	**82272**	**82273**

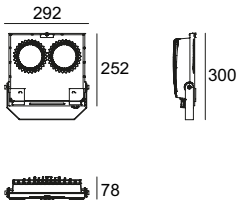
Cct		lm S - D
W	3000	9973 - 7803
N	4000	10528 - 8243
C	5000	10649 - 8496

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
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

IK08 IP66 9 3,8 0,06 0,02



	CRI 80	CRI 80 - DALI
Black	**84068**	**84441**

Cct		lm S - D
W	3000	13108 - On req
N	4000	13836 - On req
C	5000	13994 - On req

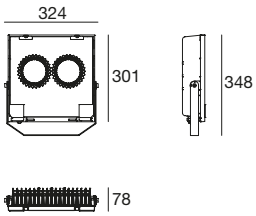
Optic		
30	Spot	(22°)
60	W.Flood	(53°)
90	E.W.Flood	(92°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 20

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP66 12,2 4,6 0,09 0,02



	CRI 80	CRI 80 - DALI
Black	**82274**	**82275**

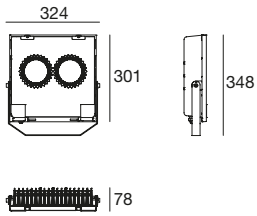
Cct		Im S - D
W	3000	16460 - 12827
N	4000	17375 - 13545
C	5000	17575 - 13960

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
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

IK08 IP66 12,2 4,6 0,09 0,02



	CRI 80	CRI 80 - DALI
Black	**84069**	**84442**

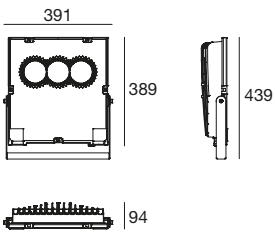
Cct		Im S - D
W	3000	20364 - On req
N	4000	21498 - On req
C	5000	21744 - On req

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
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

IK08 IP66 21,4 7,8 0,13 0,03



	CRI 80	CRI 80 - DALI
Black	**82286**	**82287**

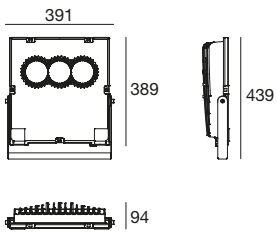
Cct		Im S - D
W	3000	23815 - 18060
N	4000	25141 - 19011
C	5000	25428 - 19403

Optic		
30	Spot	(22°)
60	W.Flood	(53°)
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

IK08 IP66 21,4 7,8 0,13 0,03



	CRI 80	CRI 80 - DALI
Black	**84070**	**84443**

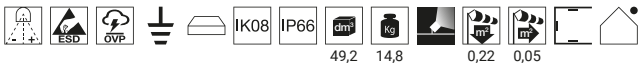
Cct		Im S - D
W	3000	28008 - On req
N	4000	29568 - On req
C	5000	29907 - On req

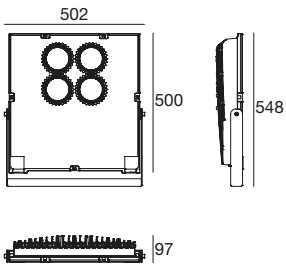
Optic		
30	Flood	(27°)
60	W.Flood	(59°)
90	E.W.Flood	(91°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 20

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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





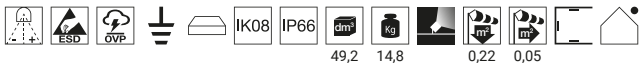
	CRI 80	CRI 80 - DALI
Black	**82276**	**82277**

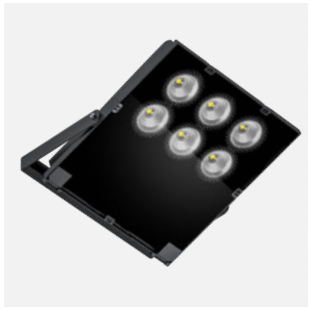
Cct		Im S - D
W	3000	34716 - 27065
N	4000	36648 - 28580
C	5000	37068 - 29456

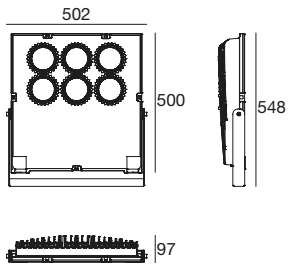
Optic		
30	Flood	(28°)
60	W.Flood	(58°)
90	E.W.Flood	(88°)
12	E.W.Flood	-
07	Asymm.	-

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		Im S - D
W	3000	39321 - 29800
N	4000	41510 - 31368
C	5000	41985 - 32015

Optic		
30	Spot	(22°)
60	W.Flood	(53°)
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 in steel wire, ideal for increasing the impact resistance of the fixture.
99392	Prolamp 80W/100W	
99574	Prolamp 120W/150W	
83035	Prolamp 180W/200W	
99393	Prolamp 250W/280W	

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

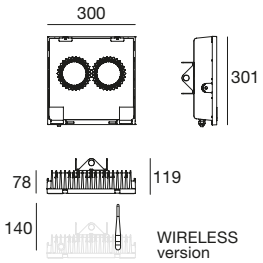
Rotocart HQ | Treviso, Italy

Casearia Monti Trentini | Trento, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



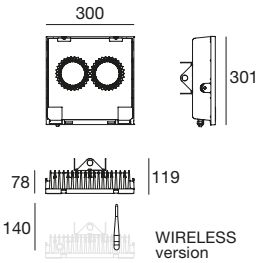
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	**82280**	**82281**	**76001**

Cct		lm S - D
W	3000	16460 - 12827
N	4000	17375 - 13545
C	5000	17575 - 13960

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
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



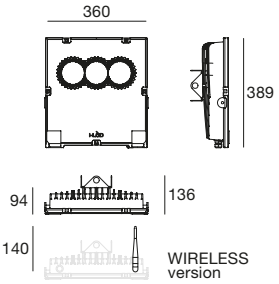
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	**84353**	**84444**	**76002**

Cct		lm S - D
W	3000	20364 - On req
N	4000	21498 - On req
C	5000	21744 - On req

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
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



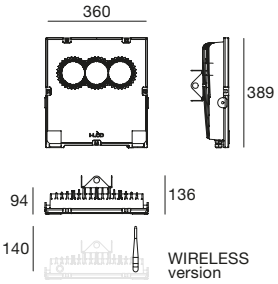
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	**82288**	**82289**	**76003**

Cct		lm S - D
W	3000	23815 - 18060
N	4000	25141 - 19011
C	5000	25428 - 19403

Optic		
30	Spot	(22°)
60	W.Flood	(53°)
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**

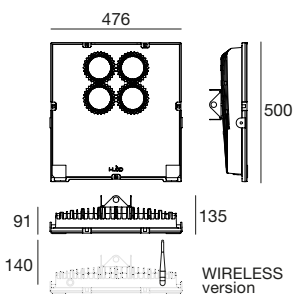
Cct		lm S - D
W	3000	28008 - On req
N	4000	29568 - On req
C	5000	29907 - On req

Optic		
30	Flood	(27°)
60	W.Flood	(59°)
90	E.W.Flood	(91°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 25

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



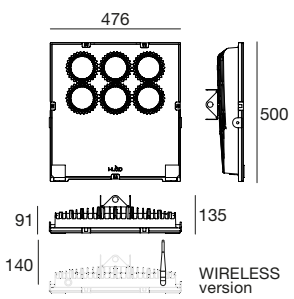
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	**82282**	**82283**	**76005**

Cct		Im S - D
W	3000	34716 - 27065
N	4000	36648 - 28580
C	5000	37068 - 29456

Optic		
30	Flood	(28°)
60	W.Flood	(58°)
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



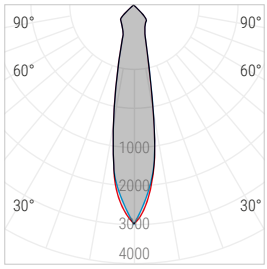
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black	**82284**	**82285**	**76006**

Cct		Im S - D
W	3000	39321 - 29800
N	4000	41510 - 31368
C	5000	41985 - 32015

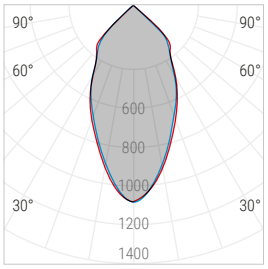
Optic		
30	Spot	(22°)
60	W.Flood	(53°)
90	E.W.Flood	(92°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 25

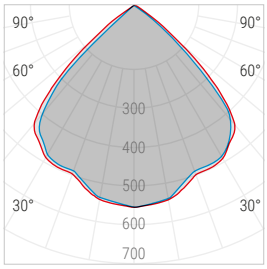
Photometric curves of Prolamp 180W (82286 - 82288)



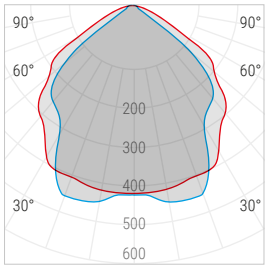
C0/C180 C90/C270
Optic 30 Spot



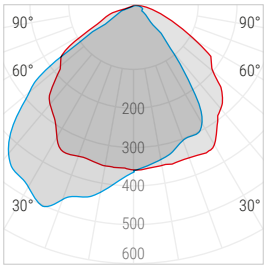
C0/C180 C90/C270
Optic 60 Wide Flood



C0/C180 C90/C270
Optic 90 Extra Wide Flood



C0/C180 C90/C270
Optic 12 Extra Wide Flood



C0/C180 C90/C270
Optic 07 Asymmetric

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	

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Four Seasons Astir Palace Hotel | Athens, Greece

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 125 26 Hägersten 08-440 85 40

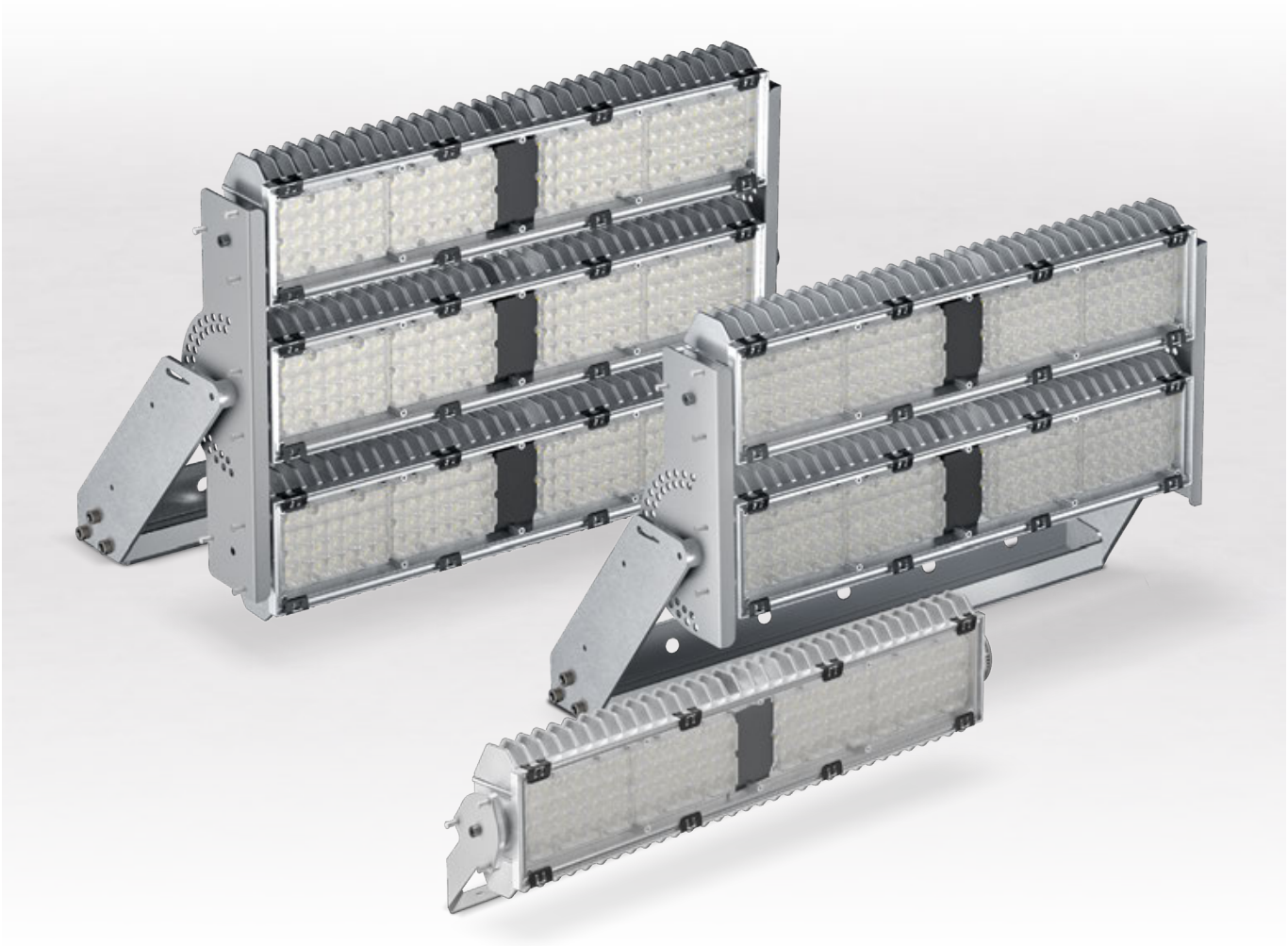
biglamp

Materials
Body in die-cast aluminium.
Tempered glass.
EPD treated iron bracket,
power-coated in RAL9006.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

biglamp range

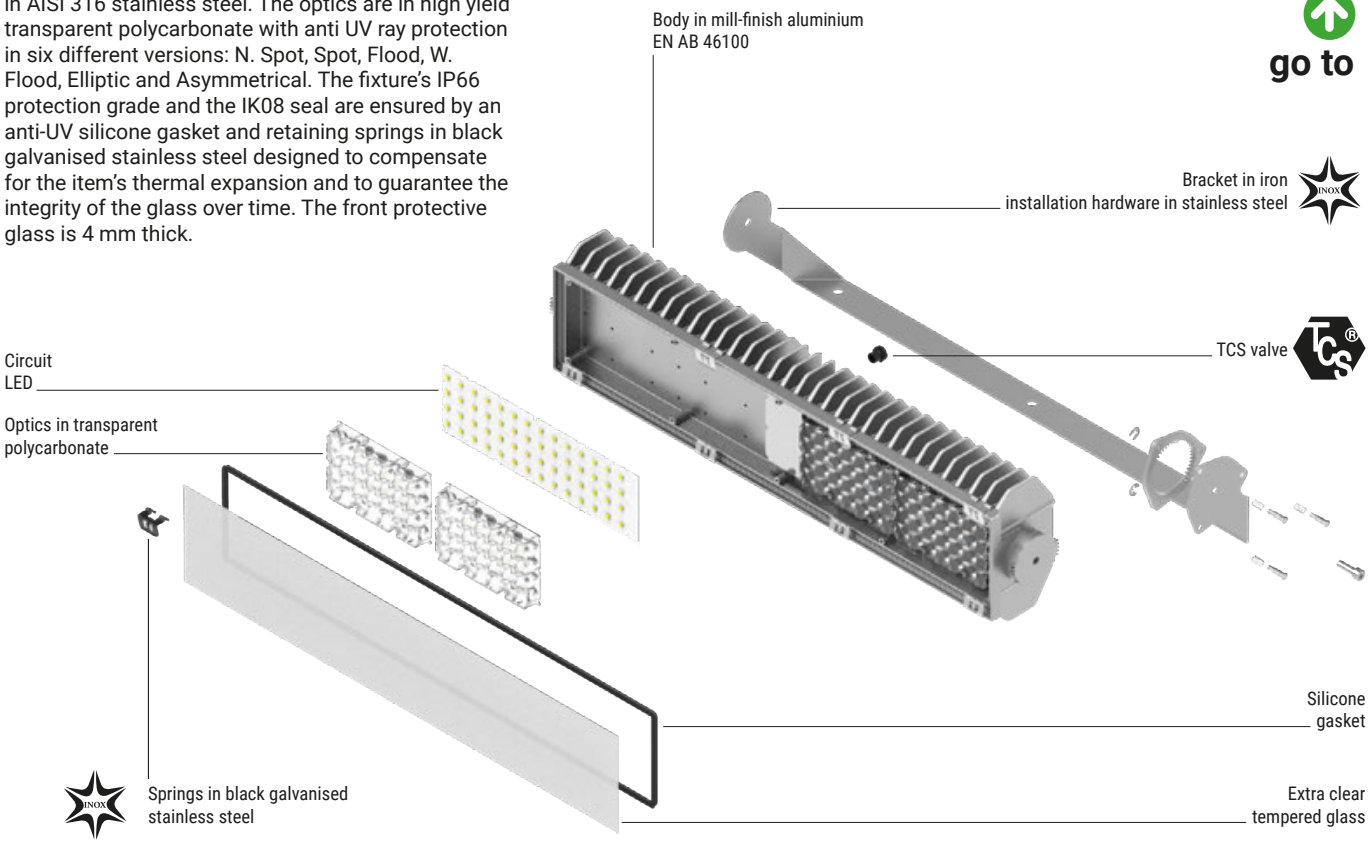
back to index



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

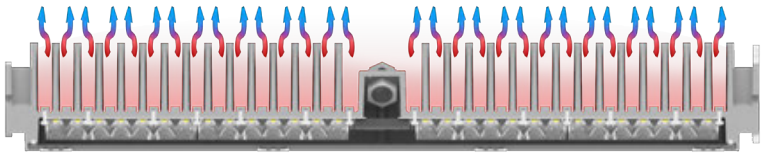
Construction details

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.



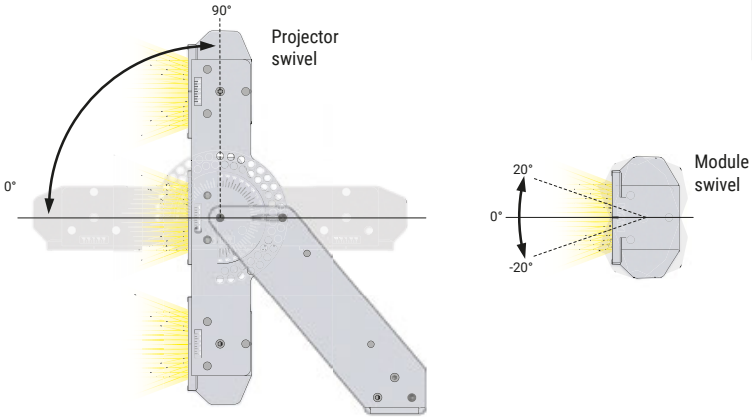
Heat dissipation

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 ±20° 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.

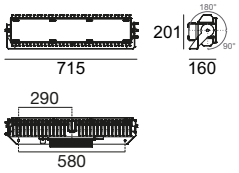
Television Lighting Consistency Index

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

0,6 m | IK08 | IP66 | 19,5 | 12 | 0,13 | 0,01



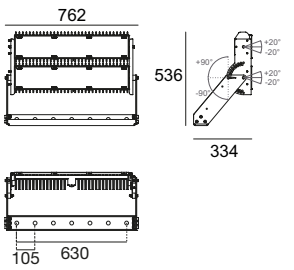
CRI 80	
Allum.	**82424**

Cct		Im S - D
W	3000	42795 - On req
N	4000	46155 - On req
C	5700	46155 - On req

Optic		
15	Spot	(25°)
30	Flood	(38°)
60	W.Flood	(62°)
07	Asymm.	-

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

0,6 m | IK08 | IP66 | 56,5 | 33 | 0,32 | 0,04



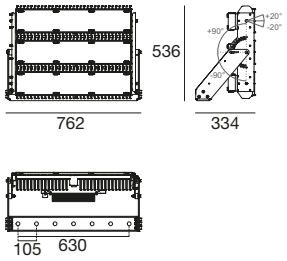
CRI 80	
Allum.	**82425**

Cct		Im S - D
W	3000	85590 - On req
N	4000	92310 - On req
C	5700	92310 - On req

Optic		
15	Spot	(25°)
30	Flood	(38°)
60	W.Flood	(62°)
07	Asymm.	-

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

0,6 m | IK08 | IP66 | 74 | 45 | 0,40 | 0,05



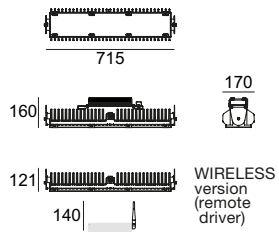
CRI 80	
Allum.	**82426**

Cct		Im S - D
W	3000	128385 - On req
N	4000	138465 - On req
C	5700	138465 - On req

Optic		
15	Spot	(25°)
30	Flood	(38°)
60	W.Flood	(62°)
07	Asymm.	-

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

0,6 m | IK08 | IP66 | 19,5 | 11,5

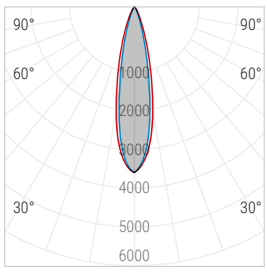


CRI 80	CRI 80 - WIRELESS
Allum. **82428**	**70613**

Cct		Im S - D
W	3000	42795 - On req
N	4000	46155 - On req
C	5700	46155 - On req

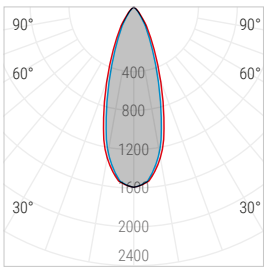
Optic		
15	Spot	(25°)
30	Flood	(38°)
60	W.Flood	(62°)
07	Asymm.	-

Photometric curves of Biglamp 300W (82424)



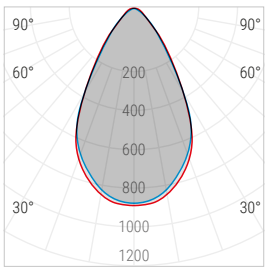
C0/C180 C90/C270

Optic 15 Spot



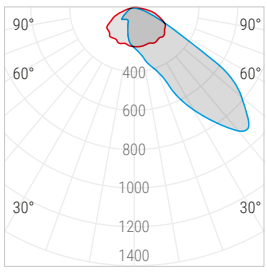
C0/C180 C90/C270

Optic 30 Flood



C0/C180 C90/C270

Optic 60 Wide Flood



C0/C180 C90/C270

Optic 07 Asymmetric

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

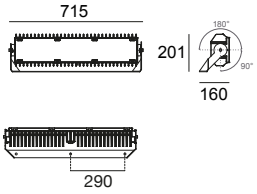
Fox Belysning AB · Tellusgången 8 · Telefonplan · 426 26 Hägersten · 08-440 85 40

H-FARM | Treviso, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Biglamp Pro | Projector | powerLED | 450 W DC

1 m | 19,5 | 9,5 | 0,13 | 0,01



C.C. - 3600 mA - CRI 70

Allum. **84432**

	Cct	lm S - D
N	4000	78781 - On req
C	5700	78781 - On req

	Optic	
15	Spot	(18°)
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	lm S - D
N	4000	76720 - On req
C	5700	76720 - On req

	Optic	
10	N.Spot	(12°)
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	lm S - D
N	4000	66666 - On req
C	5700	66666 - On req

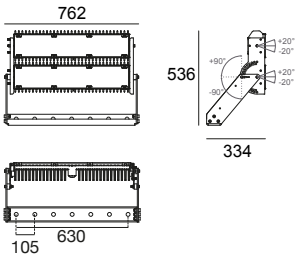
	Optic	
07	Asymm.	-

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

1 m | 56,5 | 28 | 0,32 | 0,04



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

Allum. **84433**

	Cct	lm S - D
N	4000	157562 - On req
C	5700	157562 - On req

	Optic	
15	Spot	(18°)
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	lm S - D
N	4000	153440 - On req
C	5700	153440 - On req

	Optic	
10	N.Spot	(12°)
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	lm S - D
N	4000	133332 - On req
C	5700	133332 - On req

	Optic	
07	Asymm.	-

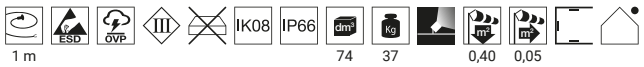
Electronic (for single module)

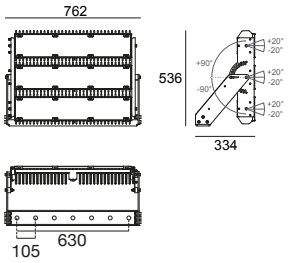
83218	83217	83030	83031	Controller
Input 220 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Input 380 V AC ON/OFF 0/1-10V p 262 x l 125 x h 44	Signal converter DALI to 0/1-10V p 53 x l 27 x h 22	Signal converter DMX to 0/1-10V p 90 x l 38 x h 27	DALI pag 283 DMX pag 286

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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





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

Allum. **84434**

	Cct	lm S - D
N	4000	236343 - On req
C	5700	236343 - On req

	Optic	
15	Spot	(18°)
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
N	4000	230160 - On req
C	5700	230160 - On req

	Optic	
10	N.Spot	(12°)
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
N	4000	199998 - On req
C	5700	199998 - On req

	Optic	
07	Asymm.	-

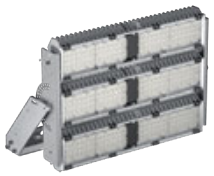
Electronic (for single module)

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)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Installation applications



Biglamp:

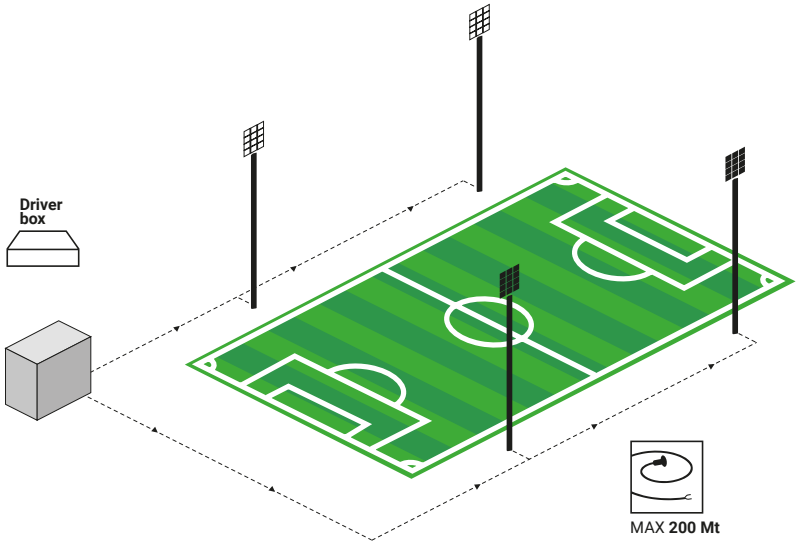
- Industry
- Gyms and sports centres
- Indoor sports activities and under tensile structures
- Tennis courts
- Basketball courts
- Volleyball courts
- Ice hockey rinks
- Large areas requiring continuous lighting

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 2.5mm^2 gauge cable can cover up to 200 m of distance between Driver and light source, without suffering any voltage drop in the system.



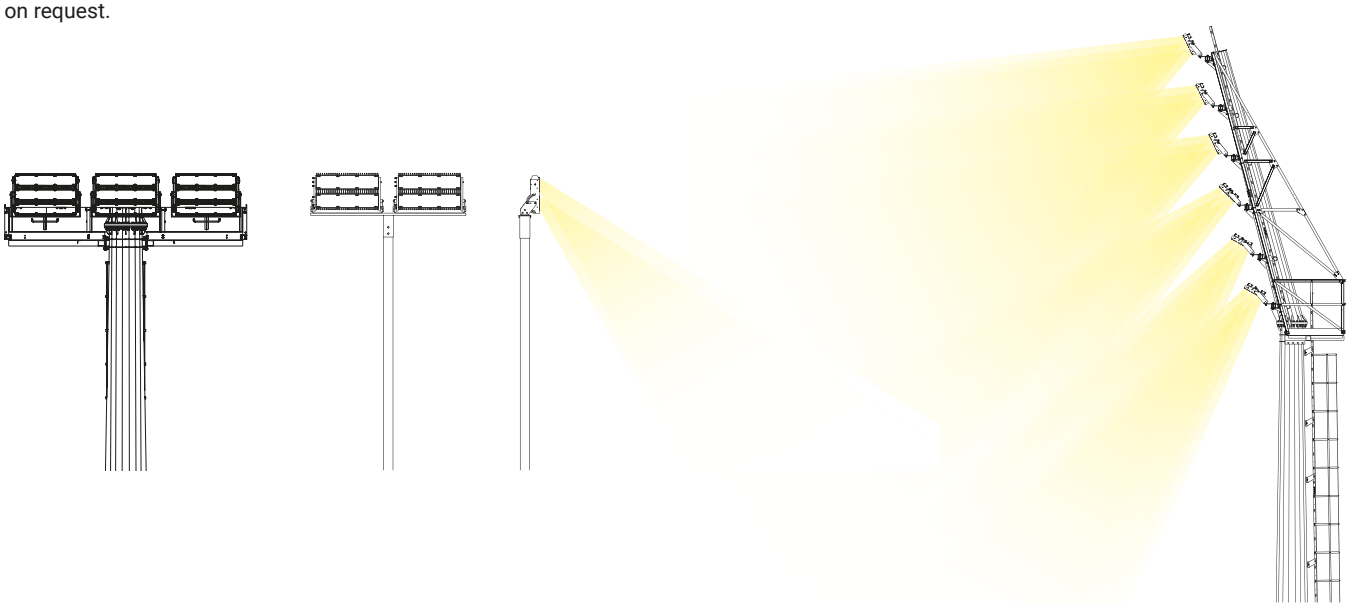
Installation on light tower

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.

LASER Guide

Aiming

Projector aiming service is available on request.



PLUS

ELECTR

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

multilamp

Materials
Body in extruded aluminium.
Side plugs in iron with galvanising treatment and polyester powder coating.
Optics screen in polycarbonate with UV protection.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

multilamp range

back to index

	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	Black An White	Black An White	Black An White	Black An 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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

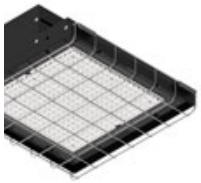
Construction details

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.

i-LED GROWING

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

go to



Metallic cage to protect against impact.

IK08 → IK10

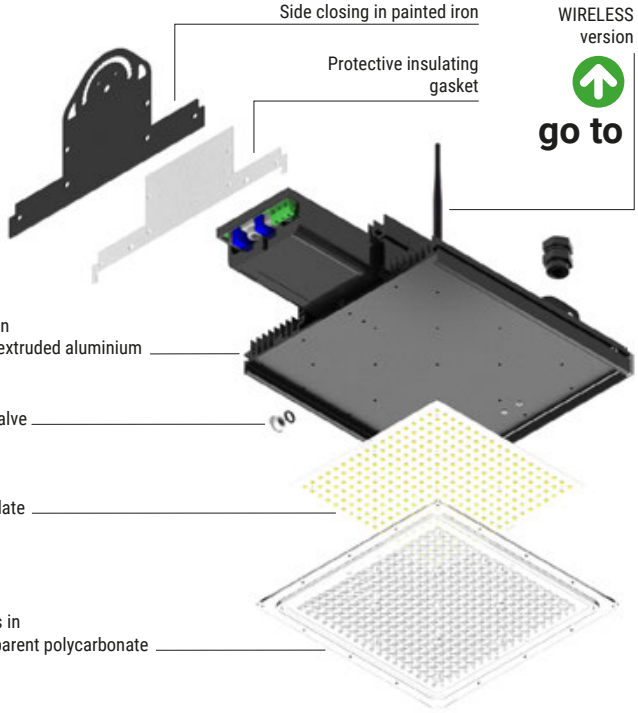
Ball test

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

DALI

Antenna for WIRELESS version

go to



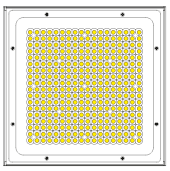
Installation options

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

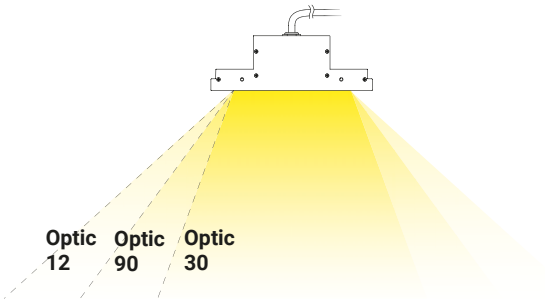
Technical lighting characteristics

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.



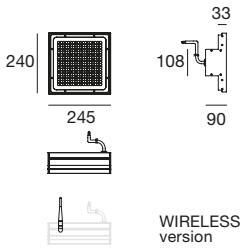
Single module: 324 Power LEDs (18x18)



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

2 m | IK08 | IP65 | 8,4 | 2,9



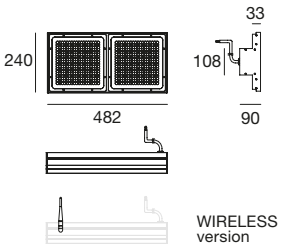
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black An	**90442**	**90444**	**90473**
White	**90443**	**90445**	

Cct		Im 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

2 m | IK08 | IP65 | 16,1 | 4,8



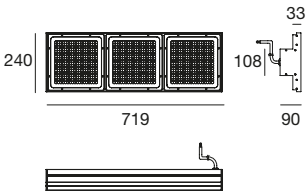
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Black An	**90446**	**90448**	**90475**
White	**90447**	**90449**	

Cct		Im 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

2 m | IK08 | IP65 | 44,9 | 6,7



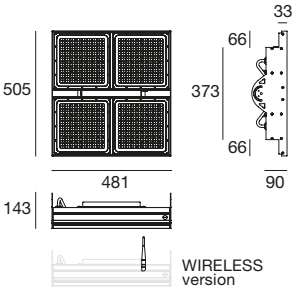
	CRI 80	CRI 80 - DALI
Black An	**90450**	**90452**
White	**90451**	**90453**

Cct		Im 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

2 m | IK08 | IP65 | 30,6 | 11,3



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

Cct		Im 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

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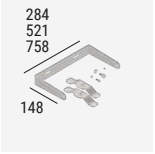
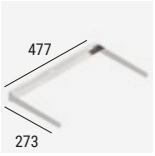
Protective cage accessory



		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

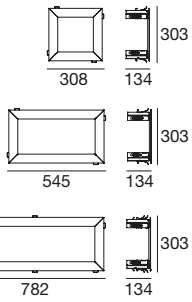
	description
98754	Steel bracket for ceiling installation (chains not included).

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

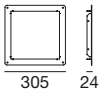
	description
98748	Steel clip bracket for dual installation, hanging or surface mounted (chains not included).

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

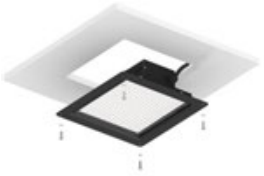
Flush frame accessory

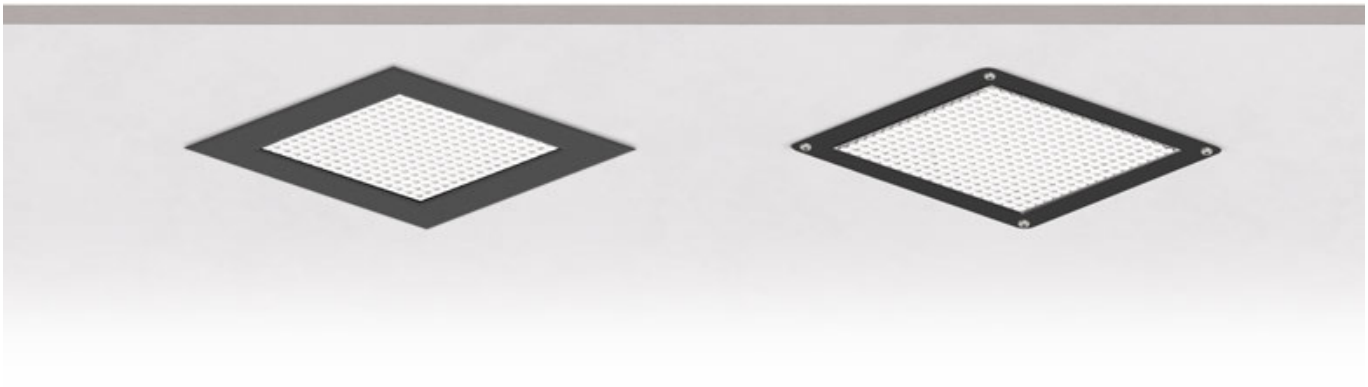


			description
Black	**98764**	Multilamp 70W	
White	**98761**	Multilamp 70W	
Black	**98765**	Multilamp 130W	Protective metallic cage, ideal for increasing the impact resistance of the fixture.
White	**98762**	Multilamp 130W	
Black	**98766**	Multilamp 200W	
White	**98763**	Multilamp 200W	

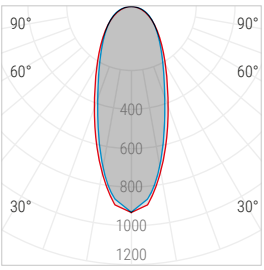


			description
Black	**99484**	Multilamp 70W	Frame in painted aluminium for direct recessed installation with screws.
White	**99585**	Multilamp 70W	



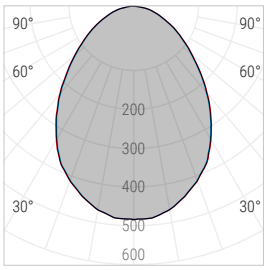


Photometric curves of Multilamp 70W (90442)



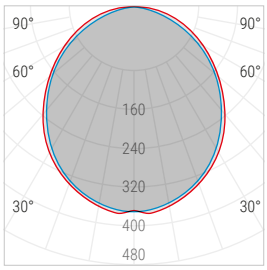
C0/C180 C90/C270

Optic 30 Flood



C0/C180 C90/C270

Optic 90 Extra Wide Flood



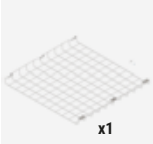
C0/C180 C90/C270

Optic 12 Extra Wide Flood

Protective cage accessory

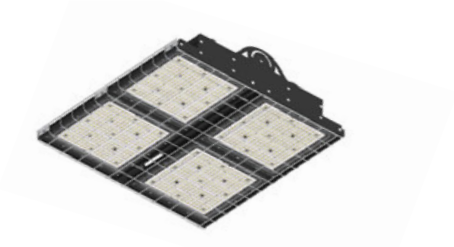
	description
98758	Protective metallic cage, ideal for increasing the impact resistance of the fixture.

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



	description
98760	Protective metallic cage, ideal for increasing the impact resistance of the fixture.

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



PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Private project

flamp

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

08-440 85 40

flamp range

	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). Al of the light fixture's screws and brackets are in stainless steel.

DALI

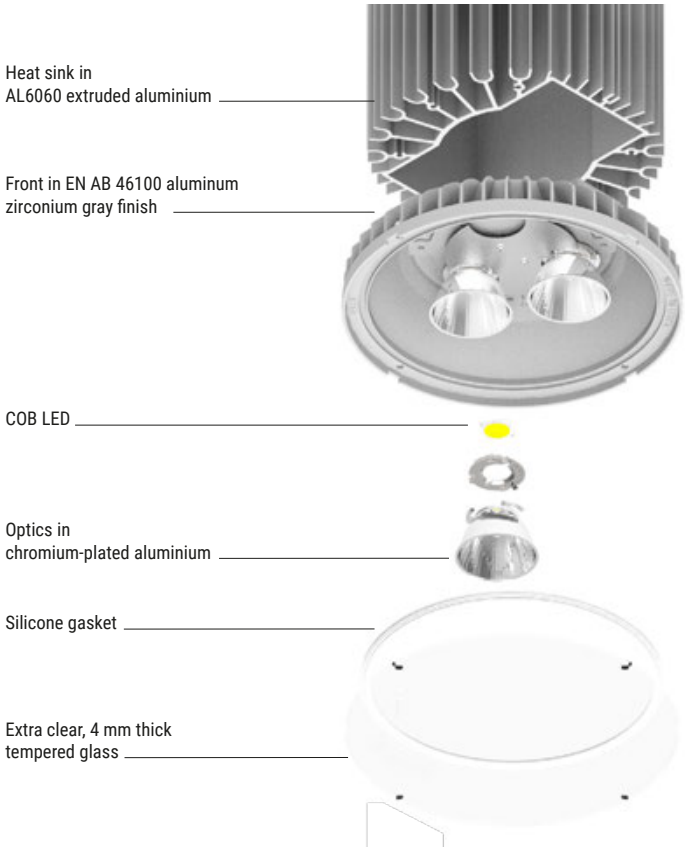
go to

Metallic cage available on request to protect against impact.

Ball test

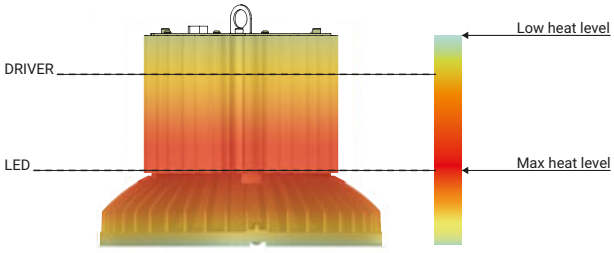
With protection, compliant with standards EN13964 (annex D) and DIN 57710-13.

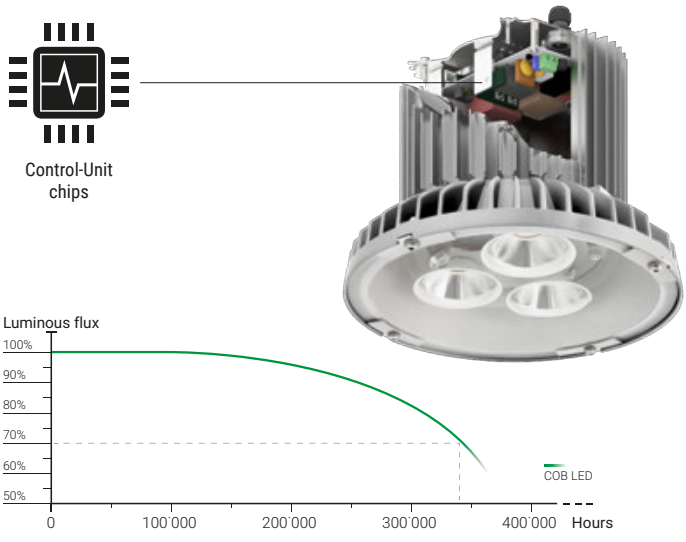
IK08 → IK10



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

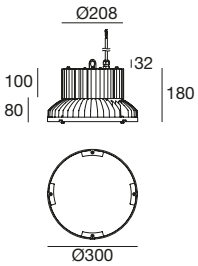
For safety reasons, in certain work environments, lighting with controlled and specific glare values is required. In these environments, the reference UGR values must be equal to or lower than 22. We recommend the use of 30 and 60 optics designed specifically to guarantee UGR values in compliance with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

UGR

UGR≤22

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



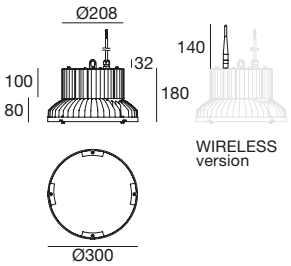
	CRI 80	CRI 80 - DALI
Alum Zr	80761	80762

	Cct	Im S - D
W	3000	12810 - On req
N	4000	13764 - On req
C	5000	13764 - On req

	Optic	
30	Flood*	(36°)
60	W.Flood*	(65°)
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



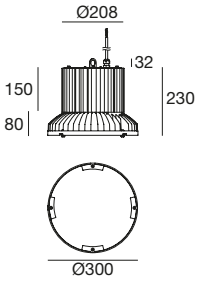
	CRI 80	CRI 80 - DALI	CRI 80 - WIRELESS
Alum Zr	80536	80537	76007

	Cct	Im S - D
W	3000	16278 - On req
N	4000	17500 - On req
C	5000	18723 - On req

	Optic	
30	Flood*	(36°)
60	W.Flood*	(65°)
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



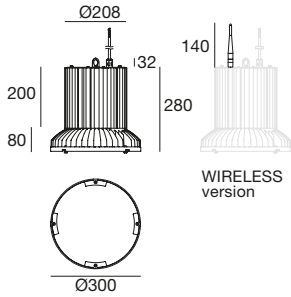
	CRI 80	CRI 80 - DALI
Alum Zr	80538	80539

	Cct	Im S - D
W	3000	18460 - On req
N	4000	21222 - On req
C	5000	22695 - On req

	Optic	
30	Flood*	(38°)
60	W.Flood*	(64°)
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

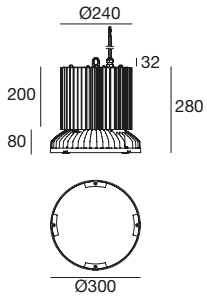
	Cct	Im S - D
W	3000	25380 - On req
N	4000	28200 - On req
C	5000	28200 - On req

	Optic	
30	Flood*	(38°)
60	W.Flood*	(63°)
90	E.W.Flood	(92°)
11	E.W.Flood	(112°)
88	Oval	(36°x71°)

Accessories Pag. 54

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



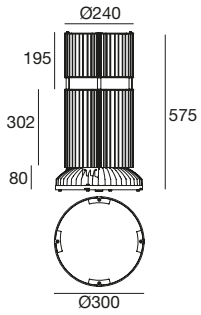
	CRI 80	CRI 80 - DALI
Alum Zr	**80542**	**80543**

	Cct	Im S - D
W	3000	24612 - On req
N	4000	28296 - On req
C	5000	30260 - On req

	Optic	
30	Flood*	(38°)
60	W.Flood*	(64°)
90	E.W.Flood	(92°)
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



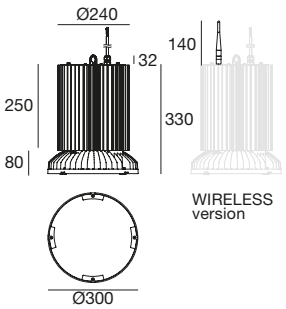
	CRI 80	CRI 80 - DALI
Alum Zr	**80766**	**80767**

	Cct	Im S - D
W	3000	35718 - On req
N	4000	41070 - On req
C	5000	43920 - On req

	Optic	
60	W.Flood	(69°)
90	E.W.Flood	(94°)
11	E.W.Flood	(113°)
88	Oval	(57°x89°)

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	Im S - D
W	3000	31376 - On req
N	4000	36072 - On req
C	5000	38576 - On req

	Optic	
30	Flood*	(38°)
60	W.Flood*	(64°)
90	E.W.Flood	(91°)
11	E.W.Flood	(116°)
88	Oval	(37°x71°)

Accessories Pag. 54

Optic 11 Extra Wide Flood

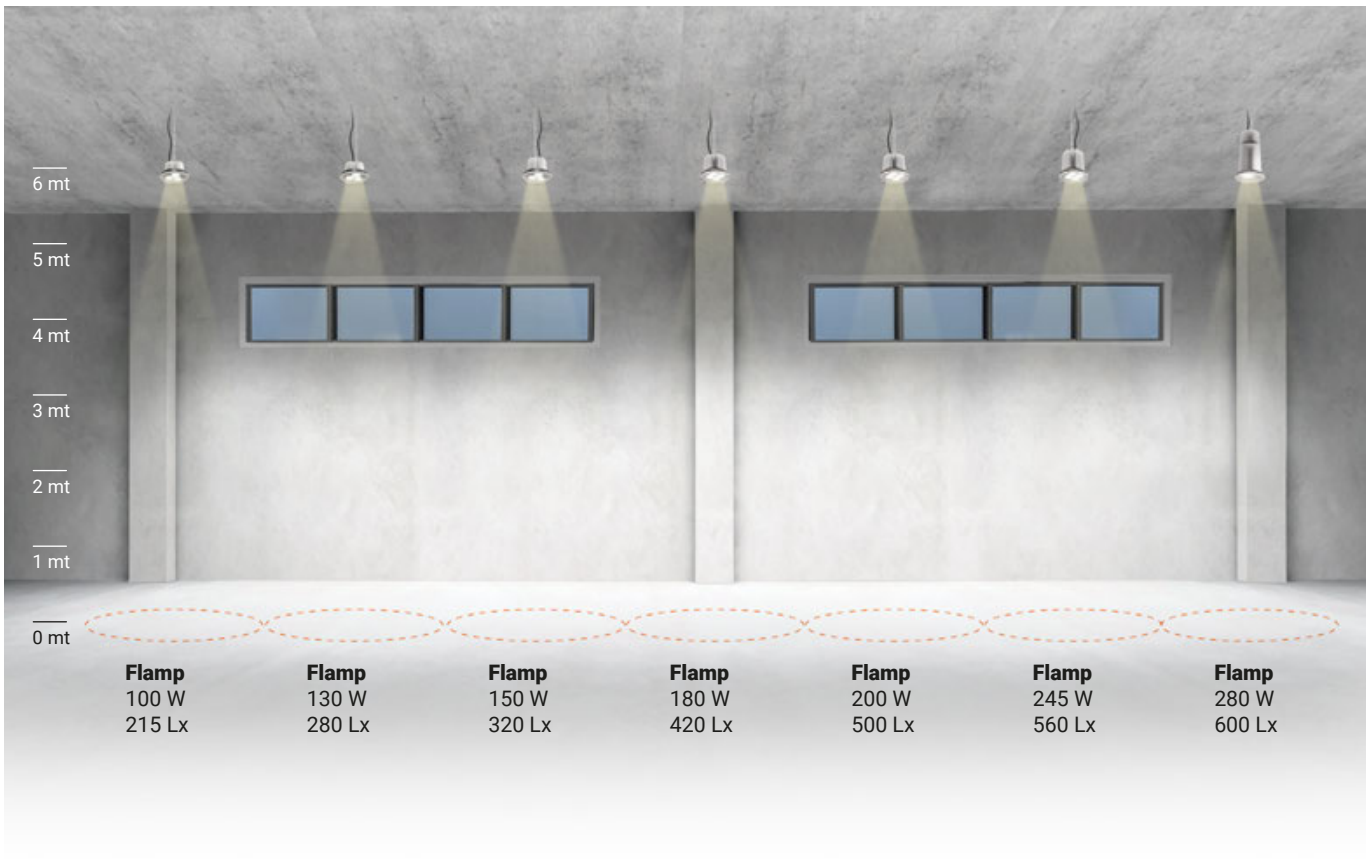
The fixtures with 11 optic have an internal surface adjacent to the LED source painted reflective white.

Optic 88 Oval

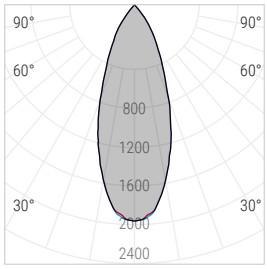
The fixtures with 88 optic have a fastening system with double connection. This way, the fixtures can be hung with the chains, keeping the light beam direction fixed. The transparent glass diffuser is tempered with a grooved pattern.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Ground lighting with optic 60

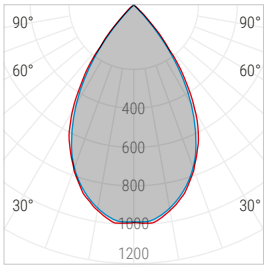


Photometric curves of Flamp 200W (80542)



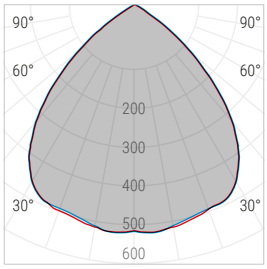
C0/C180 C90/C270

Optic 30 Flood



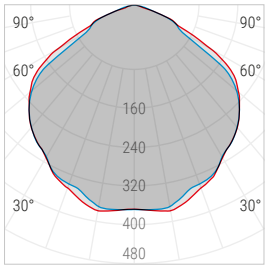
C0/C180 C90/C270

Optic 60 Wide Flood



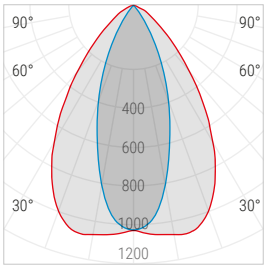
C0/C180 C90/C270

Optic 90 Extra Wide Flood



C0/C180 C90/C270

Optic 11 Extra Wide Flood



C0/C180 C90/C270

Optic 88 Oval

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

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Rotocart HQ | Treviso, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Rotocart HQ | Treviso, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

mini flamp

Materials
Die-cast aluminium.
Optics diffuser in PMMA with UV protection.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-

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

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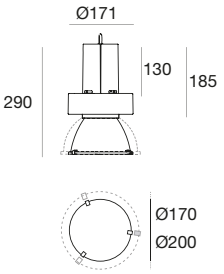
2 m | IK08 | IP20 IP65 | ∗≤22 | 12 | 2,8



	CRI 80
White	**96759**
Black	**96760**

Cct		Im S - D
W	3000	6002 - 5020
N	4000	6452 - 5397
C	5000	6903 - 5774

Optic		
15	Flood*	(27°)
30	Flood*	(38°)
60	W.Flood*	(64°)
99	E.W.Flood	(76°)

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

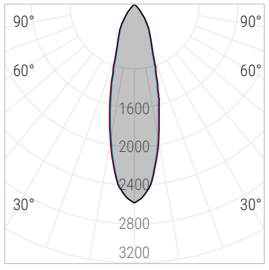
Ø 170

99 Extra Wide Flood

Ø 200

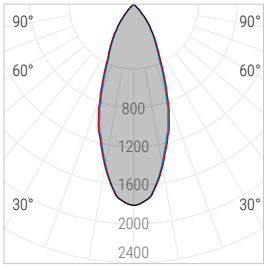
15 Flood | **30** Flood | **60** Wide Flood

Photometric curves of Mini Flamp 50W (96759)



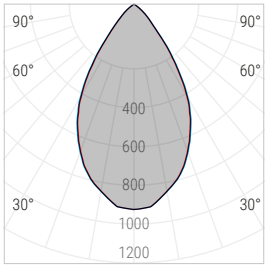
C0/C180 C90/C270

Optic 15 Flood



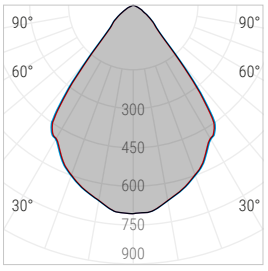
C0/C180 C90/C270

Optic 30 Flood



C0/C180 C90/C270

Optic 60 Wide Flood



C0/C180 C90/C270

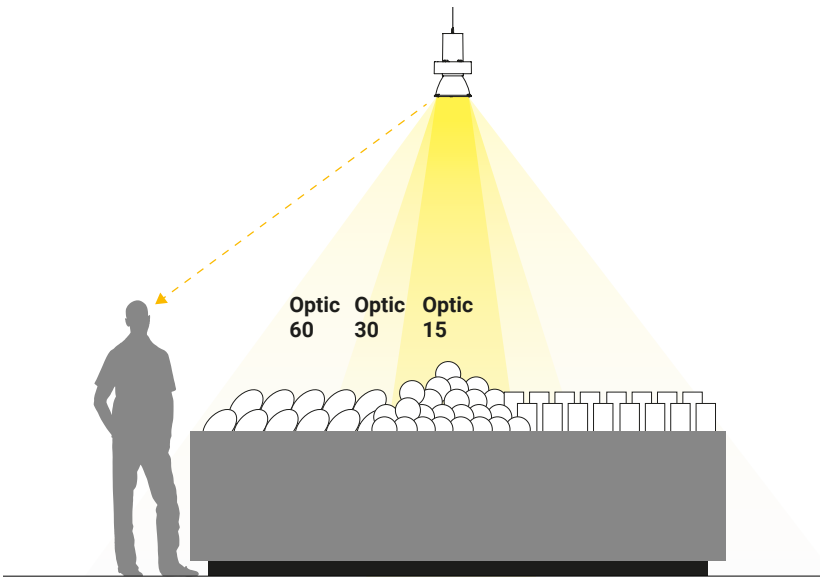
Optic 99 Extra Wide Flood

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.

Comfort

UGR≤22



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Ceiling light

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

ceiling light range index

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Alux

Alux

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Alux Pro

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Alix Slim

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Aisix

Aisix

87

Mini Tube

Mini Tube

94

Mini Tube IN&OUT

96

Maxi Tube

Maxi Tube

new

104

Maxi Tube IN&OUT

new

108

High Protection

High Protection

new

116

High Protection Wired

new

120

High Wired

High Wired

new

130

High Wired IP44

new

132

High Wired_P

new

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB · Tellusgången 8 · Telefonplan · 126 26 Hägersten · 08-440 85 40

Ceiling light

Exempel Försäljning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

alux

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 25 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

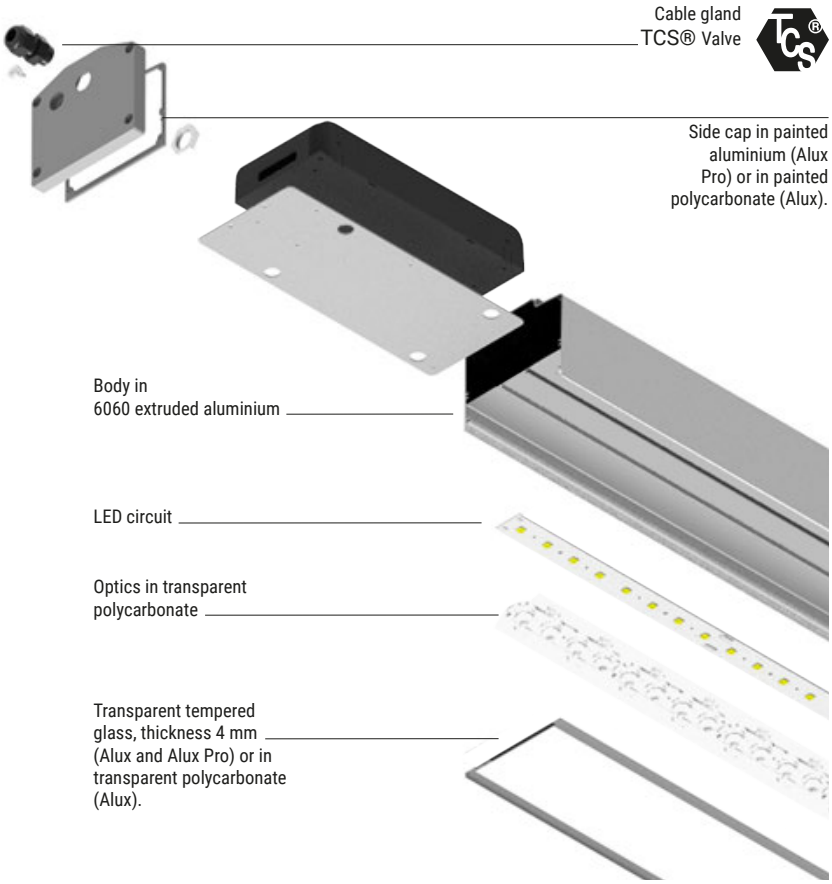
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.



i-LED GROWING

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

go to

Wireless version (Twil)

go to

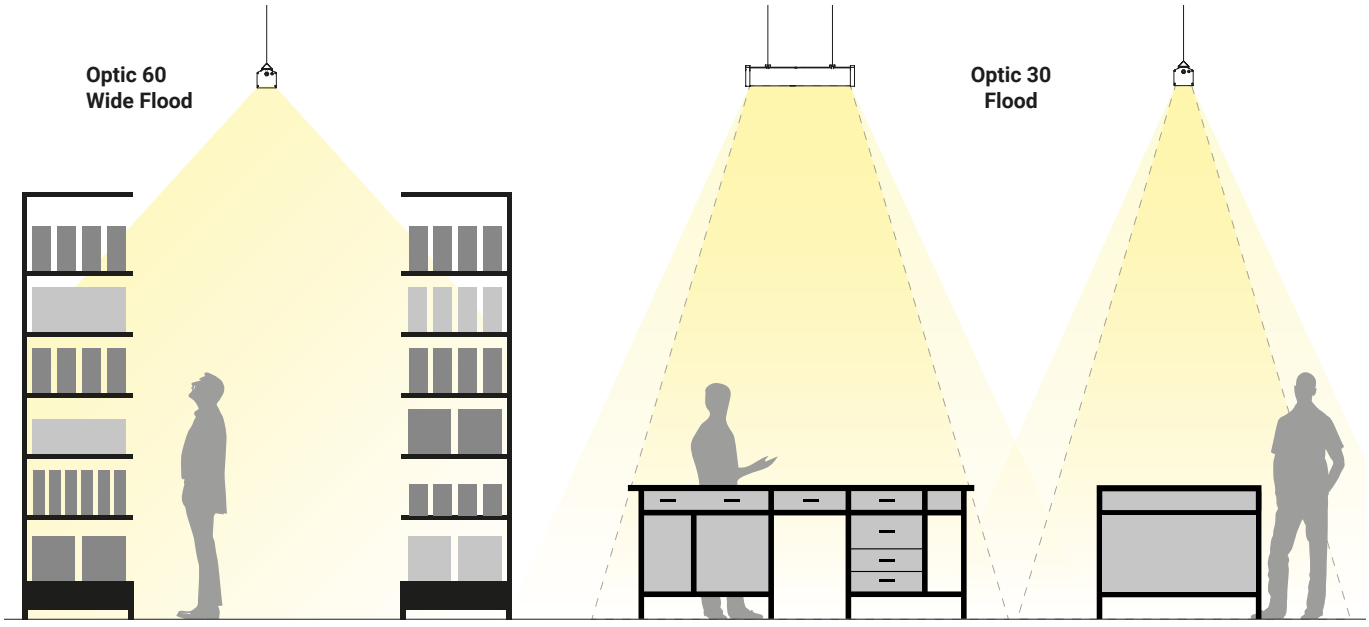
UGR controlled

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.

UGR

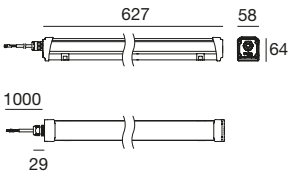
UGR≤22



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

1 m | ESD | OVP | IK07 Glass | IK10 Poly | IP65 | UGR ≤22 | 3,2 | 1,6



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

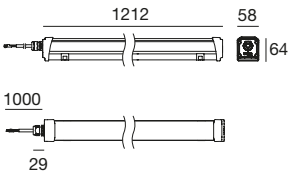
Cct		lm S - D
W	3000	3852 - On req
N	4000	4029 - On req
C	5700	4029 - On req

Optic	
30	Flood* -
60	W.Flood -
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

1 m | ESD | OVP | IK07 Glass | IK10 Poly | IP65 | UGR ≤22 | 5,9 | 2,7



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

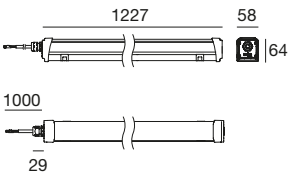
Cct		lm S - D
W	3000	7704 - On req
N	4000	8057 - On req
C	5700	8057 - On req

Optic	
30	Flood* -
60	W.Flood -
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

1 m | ESD | OVP | IK07 Glass | IK10 Poly | IP65 | UGR ≤22 | 5,9 | 3,5



	CRI 80
Alu Glass	**84430**
Alu Poly	**84431**

Cct		lm S - D
W	3000	7704 - On req
N	4000	8057 - On req
C	5700	8057 - On req

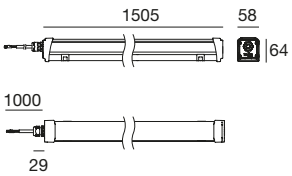
Optic	
30	Flood* -
60	W.Flood* -
12	E.W.Flood -
00	Diffused -
69	D.Asymm -

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

1 m | ESD | OVP | IK07 Glass | IK10 Poly | IP65 | UGR ≤22 | 7,3 | 3,3



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

Cct		lm S - D
W	3000	9340 - On req
N	4000	9768 - On req
C	5700	9768 - On req

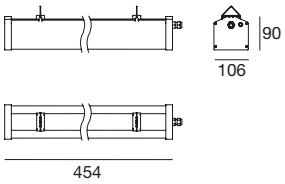
Optic	
30	Flood* -
60	W.Flood* -
12	E.W.Flood -
00	Diffused -
69	D.Asymm -

Accessories Pag. 74

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

1 m | IK06 | IP65 | UGR ≤22 | 6 | 2



	CRI 80	CRI 80 - DALI
Alu Glass	**81774**	**81775**

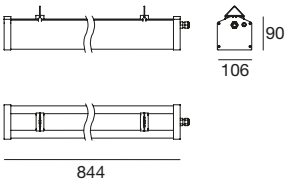
Cct		lm S - D
W	3000	5390 - 4839
N	4000	5635 - 5056
C	5700	5635 - 5056

Optic		
30	Flood*	(32°)
60	W.Flood*	(53°)
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

1 m | IK06 | IP65 | UGR ≤22 | 12 | 3,2



	CRI 80	CRI 80 - DALI
Alu Glass	**81776**	**81777**

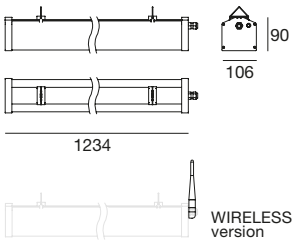
Cct		lm S - D
W	3000	10055 - 8702
N	4000	10538 - 9093
C	5700	10538 - 9093

Optic		
30	Flood*	(32°)
60	W.Flood*	(52°)
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

1 m | IK06 | IP65 | UGR ≤22 | 16 | 4,4



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

Cct		lm S - D
W	3000	13891 - 11943
N	4000	14558 - 12480
C	5700	14558 - 12480

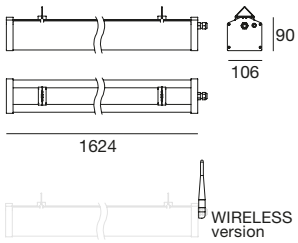
Optic		
30	Flood*	(32°)
60	W.Flood*	(51°)
12	E.W.Flood	(116°)
00	Diffused	-
69	D.Asymm	-

** Only indoor

Accessories Pag. 74

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

1 m | IK06 | IP65 | 21 | 5,8



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

Cct		lm S - D
W	3000	17711 - 15813
N	4000	18563 - 16521
C	5700	18563 - 16521

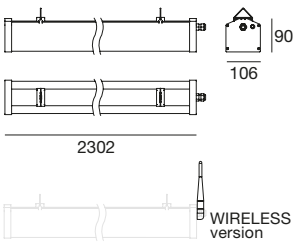
Optic		
30	Flood*	(33°)
60	W.Flood*	(50°)
12	E.W.Flood	(116°)
00	Diffused	-
69	D.Asymm	-

** Only indoor

Accessories Pag. 74

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	24021 - 21396
N	4000	25120 - 22356
C	5700	25120 - 22356

Optic		
30	Flood	(33°)
60	W.Flood	(50°)
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)

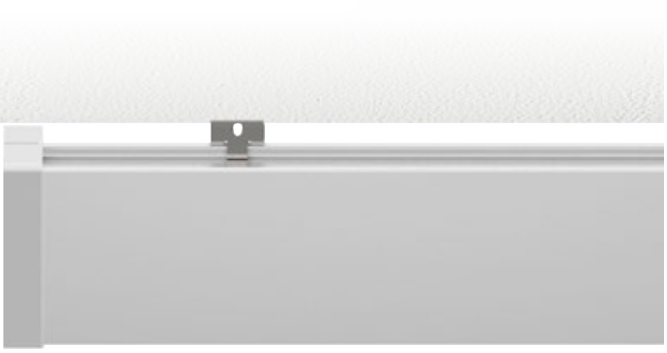
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

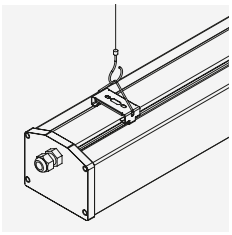
Ceiling light

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

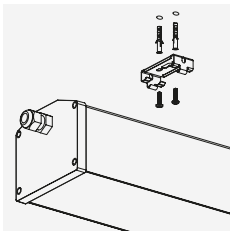
Installation

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



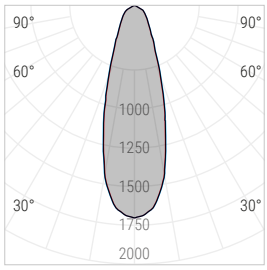


Hanging installation

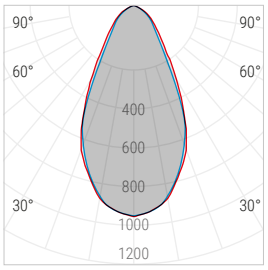


Surface installation

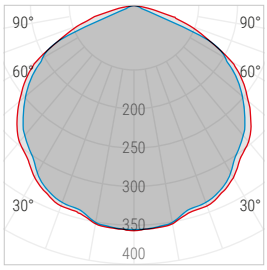
Photometric curves of Alux Pro 40W (81774)



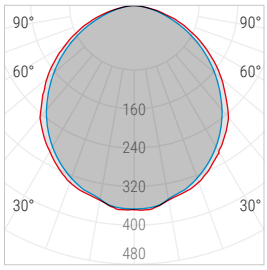
C0/C180 C90/C270
Optic 30 Flood



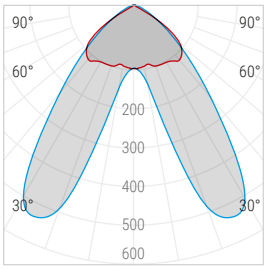
C0/C180 C90/C270
Optic 60 Wide Flood



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

	description
84863	Extension cables in neoprene ON-OFF (per meter) 3x1mm^2. Example: 84863 x 3 pz = 3m

	description
83239	Extension cables in neoprene DALI (per meter) 5x2,5mm^2. Example: 83239 x 3 pz = 3m

	description
99737	Quick connector ON-OFF IP68 socket/plug (3 poles).

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Ceiling light

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

alix

Materials
Body in polycarbonate with UV protection.
Diffuser in polycarbonate with UV protection.

Ceiling light

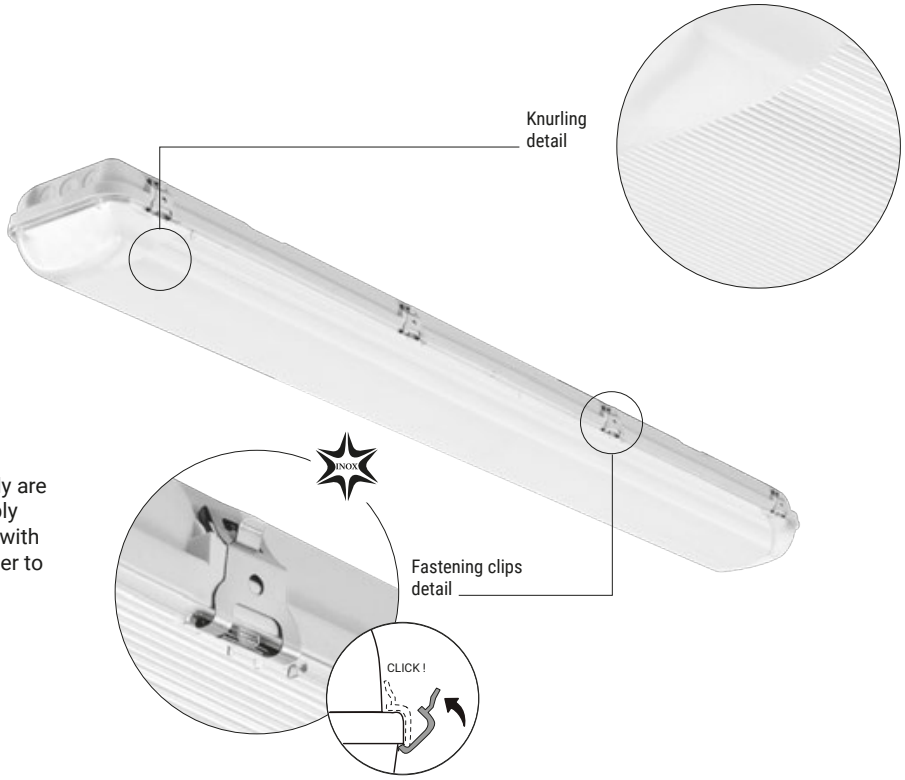
alix range

	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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.

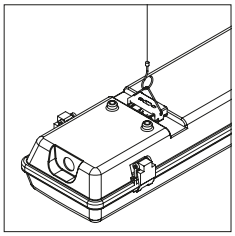
Simplicity and sturdiness

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.

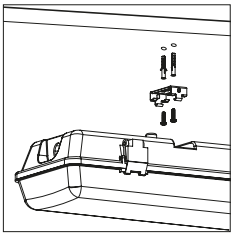
EM DALI

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)

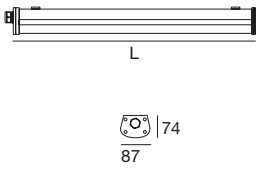


Surface installation
(Alix Single, Alix Double, Alix Slim)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK09 IP65



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

White **84259**

4,7 dm³ | 0,6 Kg

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

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

White **84260**

9 dm³ | 1,2 Kg

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

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

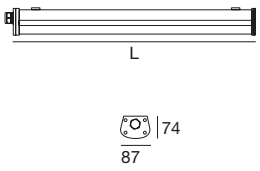
White **84261**

11 dm³ | 1,5 Kg

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

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

IK08 IP65



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

White **84591***

9 dm³ | 1,2 Kg

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 dm³ | 1,5 Kg

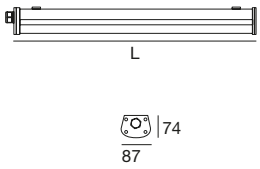
Cct	lm S - D	Optic
N 4000	6000 - On req	**00** Diffused -

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

*** Available on request**

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

IK09 IP65 DALI



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

White **84262**

9 dm³ | 1,2 Kg

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 dm³ | 1,5 Kg

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

101
101

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

Grey **82347**

7,1 0,9

Cct	lm S - D	Optic
N 4000	1092 - 950	**12** E.W.Flood (85°)

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

Grey **82348**

13,6 1,6

Cct	lm S - D	Optic
N 4000	2731 - 2375	**12** E.W.Flood (85°)

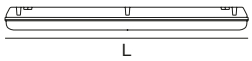
1573 mm - 22W DC - 24W AC - CRI 80

Grey **82349**

16,7 1,9

Cct	lm S - D	Optic
N 4000	4427 - 3850	**12** E.W.Flood (85°)

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



101
145

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

Grey **82350**

10,3 1,1

Cct	lm S - D	Optic
N 4000	2242 - 1950	**12** E.W.Flood (85°)

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

Grey **82351**

19,7 2

Cct	lm S - D	Optic
N 4000	5347 - 4650	**12** E.W.Flood (85°)

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

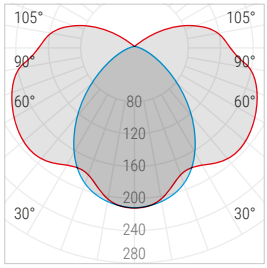
Grey **82352**

24,2 2,4

Cct	lm S - D	Optic
N 4000	8395 - 7300	**12** E.W.Flood (85°)

Rotocart HQ | Treviso, Italy

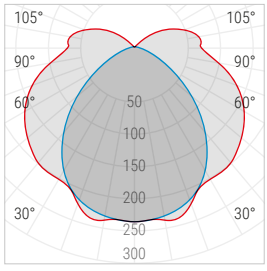
Alix Single 6,5W (82347)



C0/C180 C90/C270

Optic 12 Extra Wide Flood

Alix Double 13W (82350)



C0/C180 C90/C270

Optic 12 Extra Wide Flood

PLUS

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aisix

Materials
Plugs in stainless steel.
Body in polycarbonate with UV protection.

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aisix range

DALI versions available on request.

UGR **UGR≤22**

IP69K

	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

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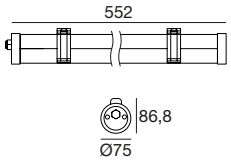
Aisix | Ceiling | topLED | 200-240 V AC | 18 W DC - 20 W AC

IK10 IP69K UGR ≤22 dm³ 3,6 Kg 1,1

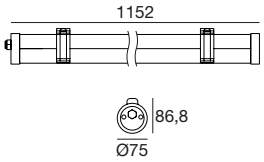


	CRI 80
Transp.	**82633**

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

IK10 IP69K UGR ≤22 dm³ 7,5 Kg 2,2

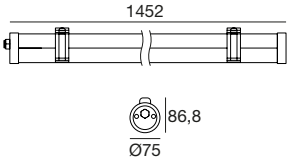


	CRI 80
Transp.	**82634**

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

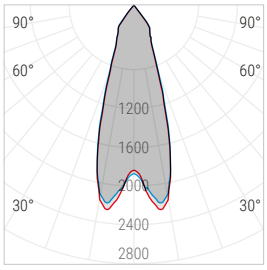
IK10 IP69K UGR ≤22 dm³ 9,4 Kg 3



	CRI 80
Transp.	**82635**

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

Photometric curves of Aisix 20W (82633)



Optic 40 Flood

IP69K protection

IP69K

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.

Fox Belysning AB · Tellusgången 8 · Telefonplan · 126 26 Hägersten · 08-440 85 40

Ceiling light

mini tube

Materials
Polycarbonate with UV protection.
Neoprene cables.

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Fox Belysning AB Tellusgatan 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

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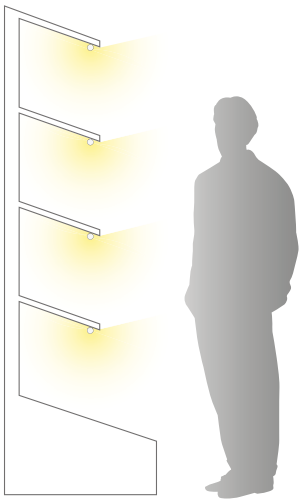
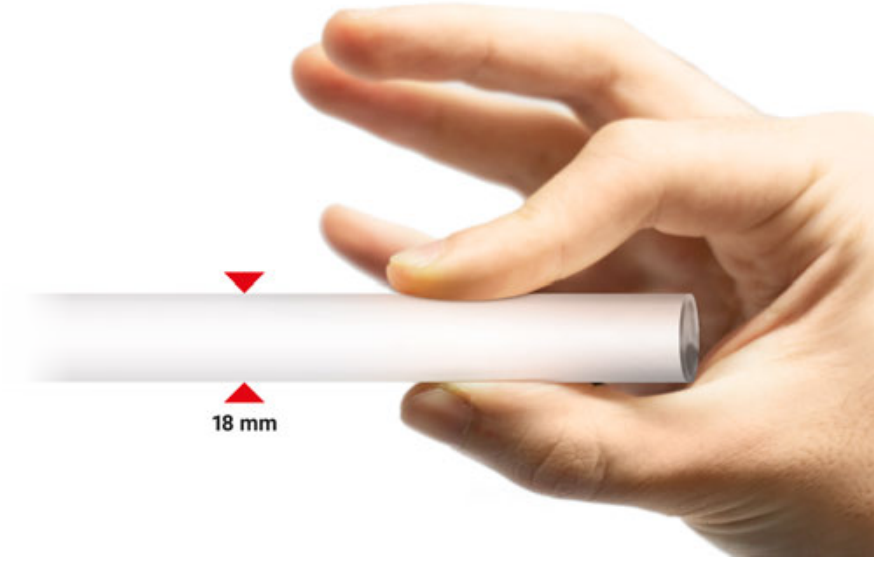
Minimum dimensions

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.

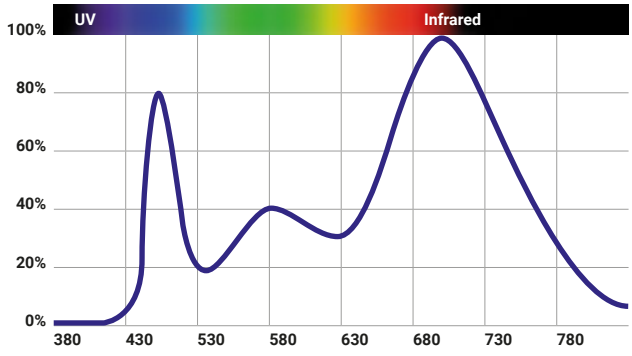
IK08 IP65





Mini Tube for Meat

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

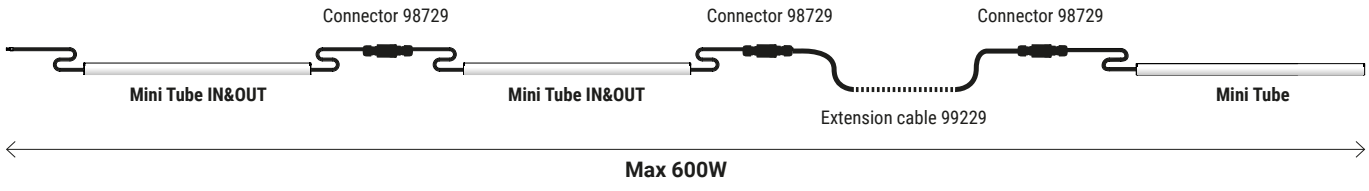


Multiple connection

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 TubeIN&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).

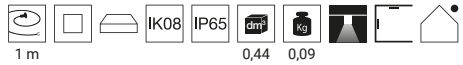
Mini Tube: with single cable

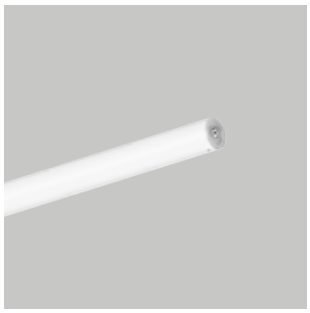
Mini Tube IN&OUT: with double cable, one input and one output

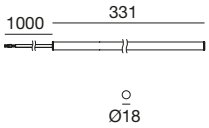


Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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







CRI 80

Opaline	**92392**

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

Optic	
00	Diffused -

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

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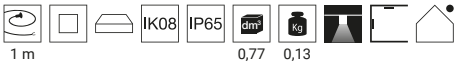
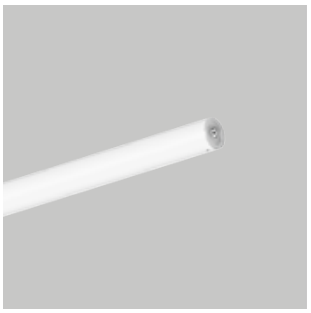
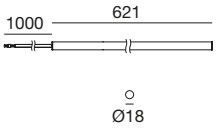
Mini Tube | Ceiling | topLED | 198-264 V AC | 7,5 W DC - 8,5 W AC







CRI 80

Opaline	**92393**

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

Optic	
00	Diffused -

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

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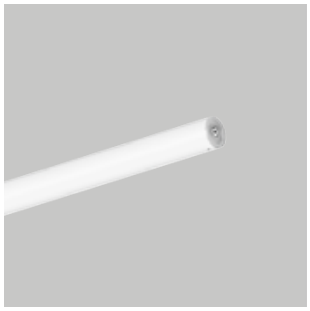
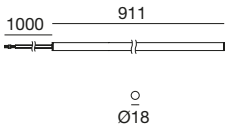
Mini Tube | Ceiling | topLED | 198-264 V AC | 9 W DC - 10,5 W AC





CRI 80

Opaline	**92421**

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

Optic	
00	Diffused -

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

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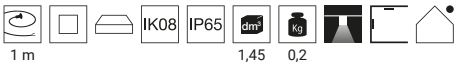
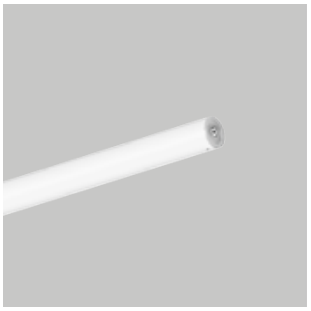
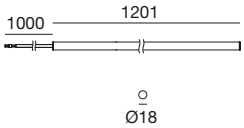
Mini Tube | Ceiling | topLED | 198-264 V AC | 12 W DC - 13,5 W AC







CRI 80

Opaline	**92422**

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

Optic	
00	Diffused -

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

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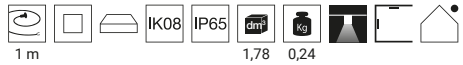
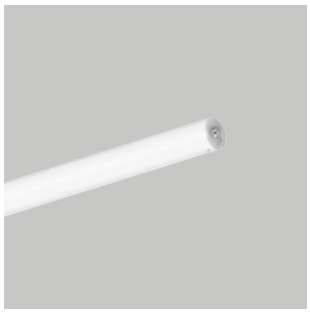
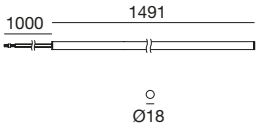
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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







CRI 80

Opaline **92423**

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

Optic	
00	Diffused -

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

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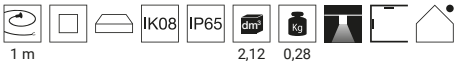
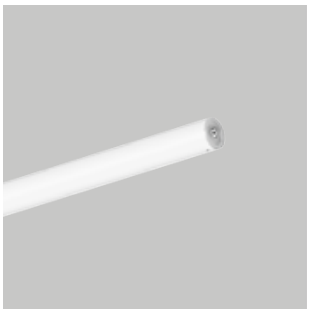
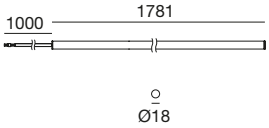
Mini Tube | Ceiling | topLED | 198-264 V AC | 16,5 W DC - 18 W AC







CRI 80

Opaline **92424**

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

Optic	
00	Diffused -

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

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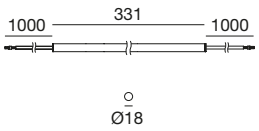
Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 4,5 W DC - 5,2 W AC

IK08 IP65

1 m 0,44 0,16



CRI 80

Opaline	**92384**

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

Optic	
00	Diffused -

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

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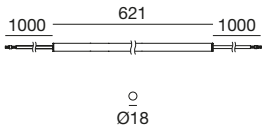
Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 7,5 W DC - 8,5 W AC

IK08 IP65

1 m 0,77 0,2



CRI 80

Opaline	**92385**

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

Optic	
00	Diffused -

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

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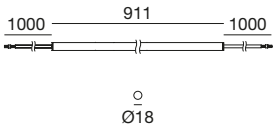
Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 9 W DC - 10,5 W AC

IK08 IP65

1 m 1,11 0,23



CRI 80

Opaline	**92386**

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

Optic	
00	Diffused -

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

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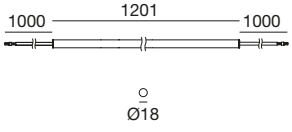
Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 12 W DC - 13,5 W AC

IK08 IP65

1 m 1,45 0,27



CRI 80

Opaline	**92387**

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

Optic	
00	Diffused -

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

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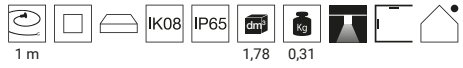
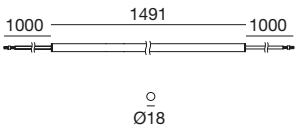
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	2461 - On req
N	4000	2570 - On req
C	6500	2713 - On req
P	445*	1344 - On req

Optic	
00	Diffused -

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

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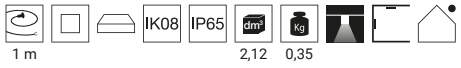
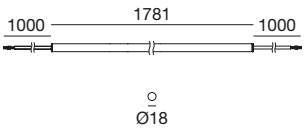
Mini Tube IN&OUT | Ceiling | topLED | 198-264 V AC | 16,5 W DC - 18 W AC





	CRI 80
Opaline	**92391**

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

Optic	
00	Diffused -

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

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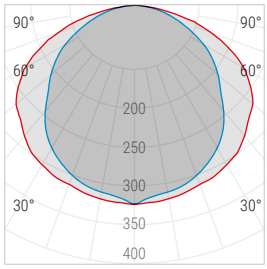
Photometric curves of Mini Tube 5,2W (92392 - 92384)



C0/C180 C90/C270

Optic 00 Diffused

Accessories

	description
included	Polycarbonate clip springs kit.

	description
98710	Steel clip springs kit.

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

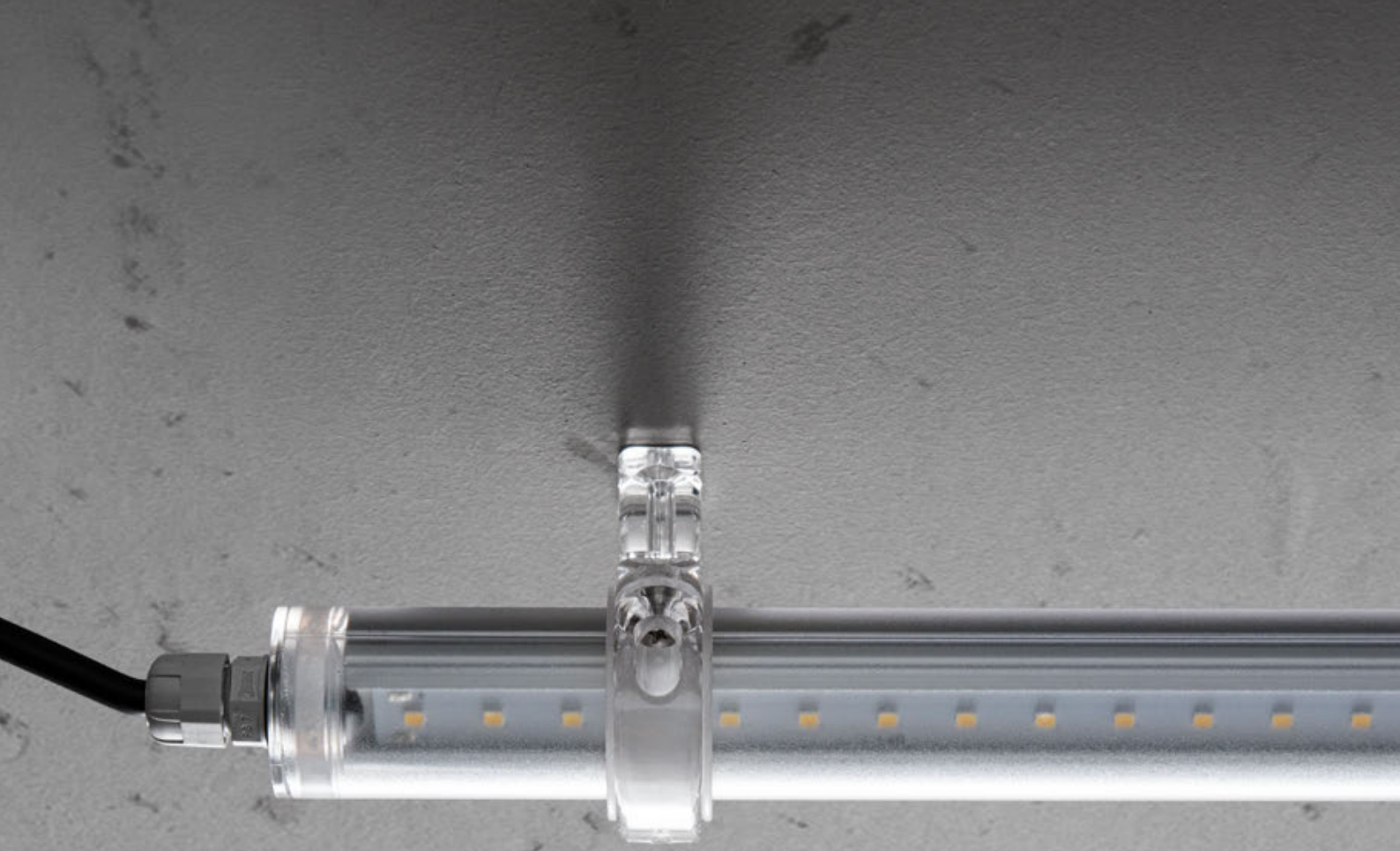
	description
98729	Quick connector ON-OFF IP68 socket/plug (2 poles).

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Attisholz | Riedholz, Switzerland

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



maxi tube

Materials
Polycarbonate with UV protection
Neoprene cables

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Rozafa Castle | Shkodër, Albania

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)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.

IP67 CRI 92 DALI

Scale 1:1

The right light at any time, in any season

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

i-LèD GROWING

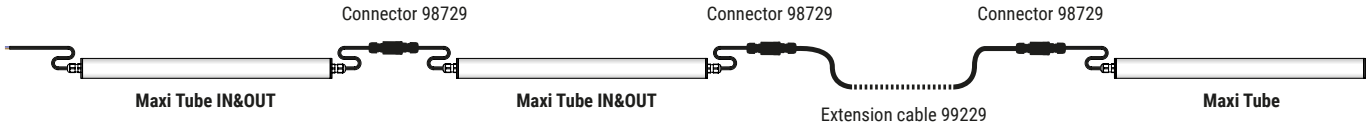
go to

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

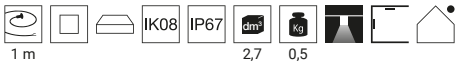
Maxi Tube IN&OUT: with double cable, one input and one output

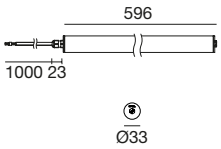


On-Off / DALI max 600W

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	1688 - 1301
N	4000	1793 - 1382
C	6500	1864 - 1437
R	621*	416 - On req
G	528*	995 - On req
B	456*	198 - On req

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

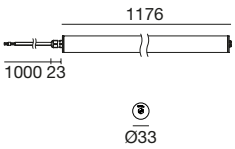
	CRI 92	CRI 92 - DALI
Opaline	**92245**	**84359**
Embossed	**92442**	**84357**

Cct		lm S - D
W	3000	1440 - 1110
N	4000	1501 - 1157

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 109

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
W	3000	2780 - 2460
N	4000	2923 - 2587
C	6500	3032 - 2683
R	621*	825 - On req
G	528*	2000 - On req
B	456*	401 - On req

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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**

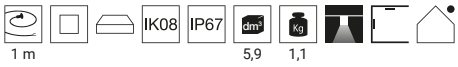
Cct		lm S - D
W	3000	2318 - 2051
N	4000	2478 - 2193

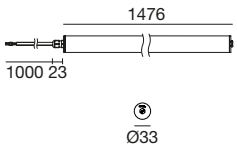
Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 109

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

Red (R)

Green (G)

Blue (B)

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

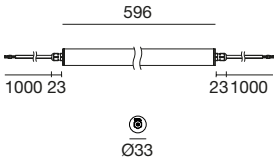
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP67 1 m 2,7 0,6



	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

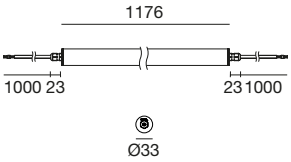
	CRI 92	CRI 92 - DALI
Opaline	**92353**	**84371**
Embossed	**92448**	**84369**

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

Accessories Pag. 109

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

IK08 IP67 1 m 4,9 0,9



	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.

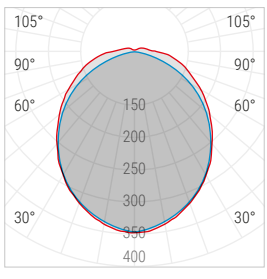
****(R) (G) (B) DALI** available on request

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

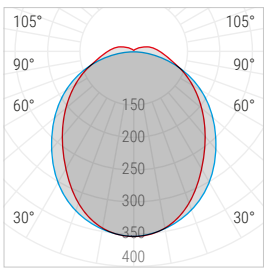
	Cct	lm S - D		Optic	
W	3000	2318 - 2051	**30**	Flood	-
N	4000	2478 - 2193	**60**	W.Flood	-
			12	E.W.Flood	-

Accessories Pag. 109

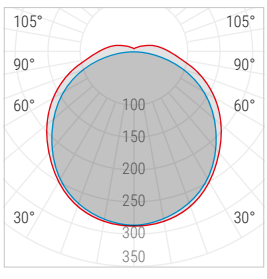
Photometric curves of Maxi Tube 14,5W (92242 - 92248)



C0/C180 C90/C270
Optic 30 Flood



C0/C180 C90/C270
Optic 60 Wide Flood

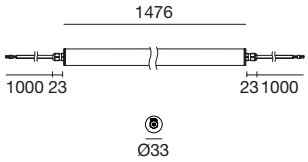


C0/C180 C90/C270
Optic 12 Extra Wide Flood

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP67 1 m 5,9 1,2



	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
W	3000	4766 - 4301	3050 - On req
N	4000	5011 - 4522	3160 - On req
C	6500	5198 - 4691	3160 - On req
R	621*	1248 - On req	-
G	528*	2985 - On req	-
B	456*	596 - On req	-

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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
W	3000	3974 - 3586	2479 - On req
N	4000	4248 - 3833	2699 - On req

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 109

Accessories

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

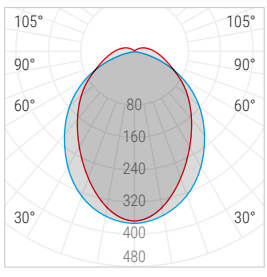
	description
99227	Fastening kit with steel clips and connector. Two fastening kits are required for installation

	description
98695	Fastening kit with safety clasp. Two fastening kits are required for installation

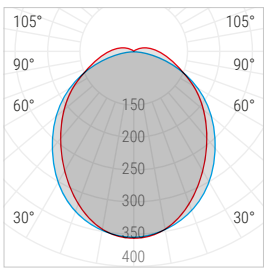
	description
99229	Extension cables in neoprene ON-OFF (per meter) 2x1mm². Example: 99229 x 3 pz = 3m
83205	Extension cables in neoprene DALI (per meter) 4x1,5mm². Example: 83205 x 3 pz = 3m

	description
98729	Quick connector ON-OFF IP68 socket/plug (2 poles).
99768	Quick connector DALI IP68 socket/plug (5 poles).

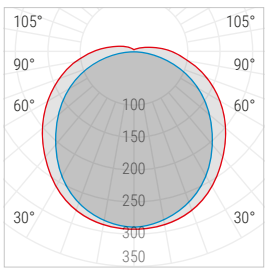
Photometric curves of Maxi Tube 14,5W (92438 - 92445)



C0/C180 C90/C270
Optic 30 Flood



C0/C180 C90/C270
Optic 60 Wide Flood



C0/C180 C90/C270
Optic 12 Extra Wide Flood

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Parkhaus Zeche Zollverein | Essen, Germany

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

high protection

Materials
Body in polycarbonate with UV protection
Plugs in anodised 6026 aluminium
Neoprene cables

Fox Belysning AB · Hellusgången 8 · Telefonplan · 126 26 Hägersten · 08-440 85 40

high protection range

back to index

	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)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

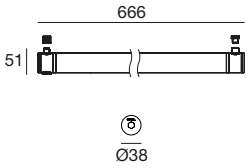
The orthogonal cable exit from the High Protection tube allows the space between two continuous tubes to be minimised, thereby optimising the continuous line of light effect. The High Protection wired version has a linear cable exit position along the axis of the tube, through the closing plug.

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP66 2,72 0,74



	CRI 80	CRI 80 - DALI**
Opaline	95257	84400

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

	Optic	
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95254	84401

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

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

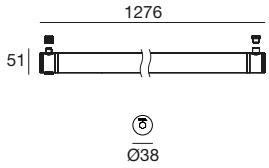
	Cct	lm S - D
W	3000	1440 - 1110
N	4000	1501 - 1157

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 122 - 123

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

IK08 IP66 2,72 0,74



	CRI 80	CRI 80 - DALI**
Opaline	95258	84403

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

	Optic	
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95255	84404

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

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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
W	3000	2318 - 2051
N	4000	2478 - 2193

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

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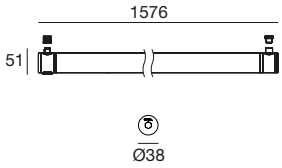
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP66 5,9 1,5



	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
W	3000	4766 - 4002	3050 - On req
N	4000	5011 - 4208	3160 - On req
C	6500	5198 - 4365	3160 - On req
R	621*	1248 - On req	-
G	528*	2985 - On req	-
B	456*	596 - On req	-

	Optic	
30	Flood	-
00	Diffused	-

	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
W	3000	4766 - 4301	3050 - On req
N	4000	5011 - 4522	3160 - On req
C	6500	5198 - 4691	3160 - On req
R	621*	1248 - On req	-
G	528*	2985 - On req	-
B	456*	596 - On req	-

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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
W	3000	3974 - 3586	2479 - On req
N	4000	4248 - 3833	2699 - On req

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

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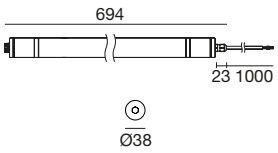
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Proton therapy Center | Trento, Italy

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fo... ...ysping AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	1688 - 1248
N	4000	1793 - 1326
C	6500	1864 - 1378
R	621*	416 - On req
G	528*	995 - On req
B	456*	198 - On req

	Optic	
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95275	84410

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

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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
W	3000	1440 - 1110
N	4000	1501 - 1157

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

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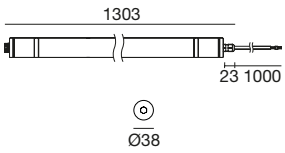
High Protection Wired | Ceiling | topLED | 198-264 V AC | 20 W DC - 22 W AC



	CRI 80	CRI 80 - DALI**
Opaline	95282	84412

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

	Optic	
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95276	84413

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

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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
W	3000	2318 - 2051
N	4000	2478 - 2193

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

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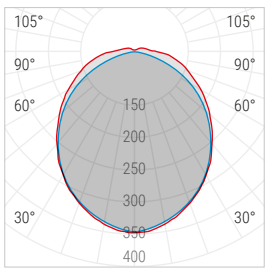
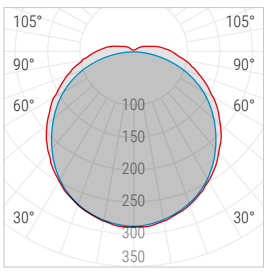
Photometric curves of High Protection 14,5W (95257 - 95281)



C0/C180 C90/C270
Optic 30 Flood



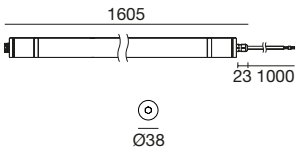
C0/C180 C90/C270
Optic 00 Diffused

PLUS

ACCS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	4766 - 4002	3050 - On req
N	4000	5011 - 4208	3160 - On req
C	6500	5198 - 4365	3160 - On req
R	621*	1248 - On req	-
G	528*	2985 - On req	-
B	456*	596 - On req	-

	Optic	
30	Flood	-
00	Diffused	-

	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
W	3000	4766 - 4301	3050 - On req
N	4000	5011 - 4522	3160 - On req
C	6500	5198 - 4691	3160 - On req
R	621*	1248 - On req	-
G	528*	2985 - On req	-
B	456*	596 - On req	-

	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

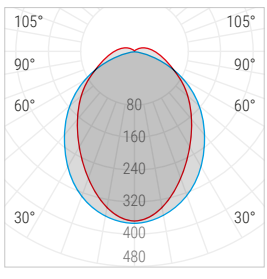
	CRI 92 - 37 W DC - 40,5 W AC	CRI 92 DALI - 20 W DC - 22 W AC
Embossed	**95467**	**84417**

	Cct	lm S - D 37W	lm S - D 20W
W	3000	3974 - 3586	2479 - On req
N	4000	4248 - 3833	2699 - On req

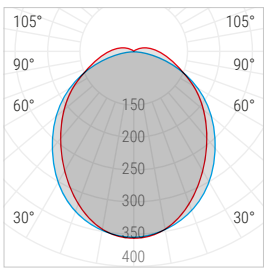
	Optic	
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 122 - 123

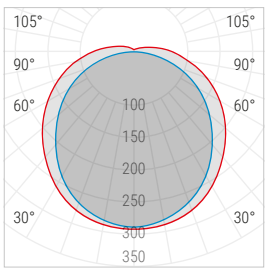
Photometric curves of High Protection 14,5W (95254 - 95275)



C0/C180 C90/C270
Optic 30 Flood



C0/C180 C90/C270
Optic 60 Wide Flood



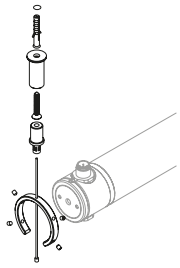
C0/C180 C90/C270
Optic 12 Extra Wide Flood

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

installation accessories

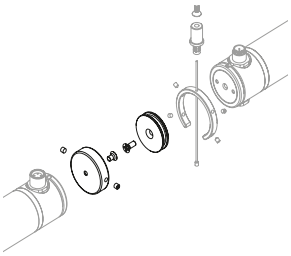
	description
99219	Suspension fixing system with anodised aluminium ring, tightening safety screws, 1200 mm long steel cable, adjustment system for the cable and fixing with screws and anchors. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired



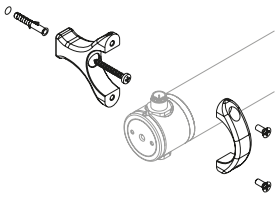
	description
99221	Male/female fittings in anodised aluminium to join articles, fixing screws and tightening safety screws. To be used only with the suspension fixing kit (code 99219 - indicated above).

suitable for: High Protection



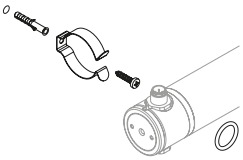
	description
99222	Surface installation system with screw locking and fixing using self-tapping screw and anchor. Made in transparent polycarbonate. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired



	description
99220	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

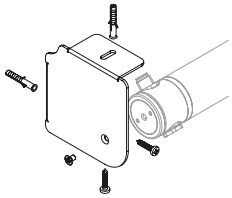


	description
99238	Clip fixing spring in transparent polycarbonate, self-tapping screw, anchor and o-ring for safety closing. Two fastening kits are required for installation.

suitable for: High Protection / High Protection Wired

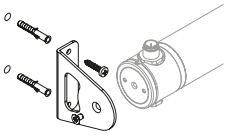
	description
99224	Corner installation system with pair of side brackets with screw locking and fixing using self-tapping screws and anchors.

suitable for: High Protection



	description
99223	Installation system with pair of side brackets with screw locking and fixing using self-tapping screws and anchors.

suitable for: High Protection



	description
99225	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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

	description	L mm
99216	1500 mm long power cable with female quick connector in IP66 (ON-OFF / DALI).	1500

suitable for: High Protection

	description	L mm
99217	Extension cable with male/female quick connector in IP66 for direct connection between tubes (ON-OFF / DALI).	150

suitable for: High Protection

	description	L mm
99218	Extension cable with male/female quick connector in IP66 for direct connection between tubes (ON-OFF / DALI).	1500

suitable for: High Protection

	description	L mm
99229	Extension cable in neoprene 2x1mm² ON-OFF. Example: 99229 x 3 pz = 3m	per meter
83213	Extension cable in neoprene 4x1mm² DALI. Example: 83213 x 3 pz = 3m	per meter
83205	Extension cable in neoprene 4x1,5mm² DALI. Example: 83205 x 3 pz = 3m	per meter

suitable for: High Protection Wired

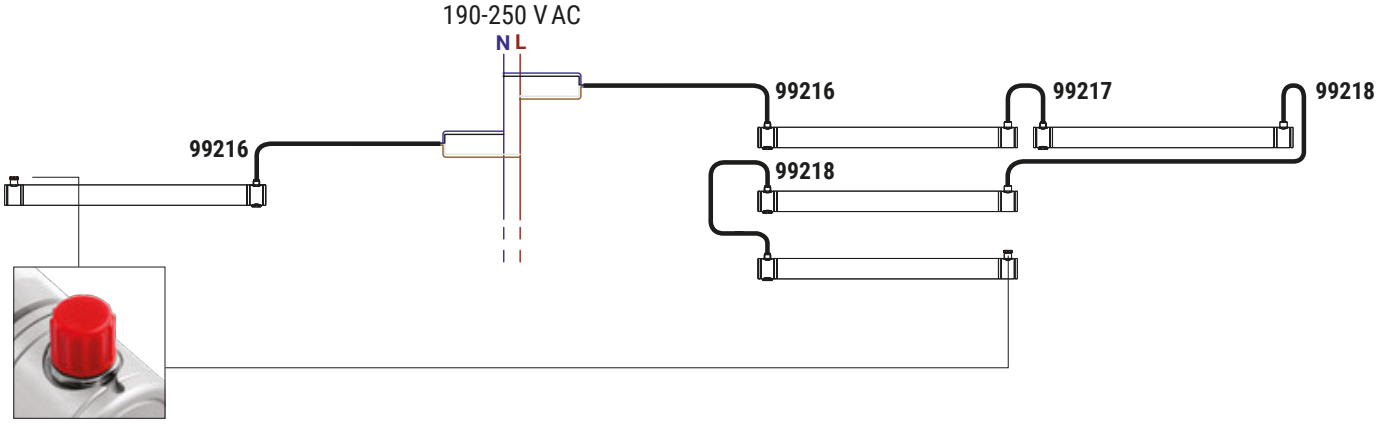
	description
98729	Quick connector IP68 socket/plug 2 poles ON-OFF.
99768	Quick connector IP68 socket/plug 5 poles DALI.

suitable for: High Protection Wired

Connection examples (High Protection)

Single connection

Multiple connection
Max 600W ON/OFF
Max 300W DALI



Insulating terminal plug.

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Ceiling light

Fox Belysning AB Telefonplan 126 26 Hägersten 08-440 85 40

high wired

Materials
Body in 6060 aluminium.
Diffuser in polycarbonate.

ox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

high wired range

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	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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

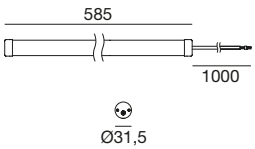
Surface installation

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	1688 - 1248
N	4000	1793 - 1326
C	6500	1864 - 1378
R	621*	416 - On req
G	528*	995 - On req
B	456*	198 - On req

Optic		
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	**95236**	**84381**

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

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

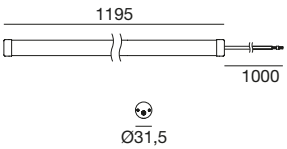
	CRI 92	CRI 92 - DALI
Embossed	**94908**	**84382**

Cct		lm S - D
W	3000	1440 - 1110
N	4000	1501 - 1157

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

Optic		
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	**95237**	**84384**

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

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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**

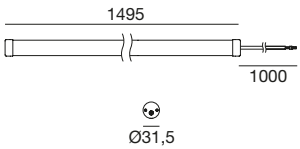
Cct		lm S - D
W	3000	2318 - 2051
N	4000	2478 - 2193

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

Accessories Pag. 133

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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)

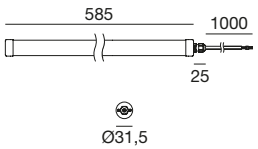
Red (R)

Green (G)

Blue (B)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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
W	3000	1688 - 1248
N	4000	1793 - 1326
C	6500	1864 - 1378
R	621*	416 - On req
G	528*	995 - On req
B	456*	198 - On req

Optic		
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95239	84392

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

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

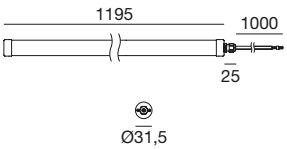
	CRI 92	CRI 92 - DALI
Embossed	94911	84393

Cct		lm S - D
W	3000	1440 - 1110
N	4000	1501 - 1157

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

Optic		
30	Flood	-
00	Diffused	-

	CRI 80	CRI 80 - DALI**
Embossed	95240	84395

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

Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

*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

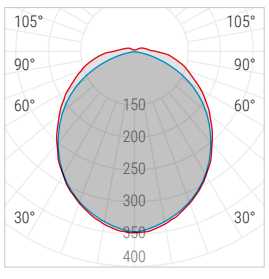
	CRI 92	CRI 92 - DALI
Embossed	94912	84396

Cct		lm S - D
W	3000	2318 - 2051
N	4000	2478 - 2193

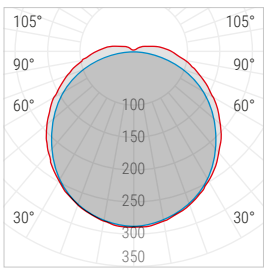
Optic		
30	Flood	-
60	W.Flood	-
12	E.W.Flood	-

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

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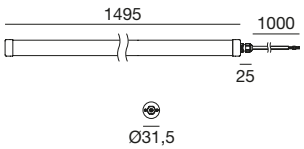
High Wired IP44 | Ceiling | topLED | 198-264 V AC

1 m | 1,86 | 0,94



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

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

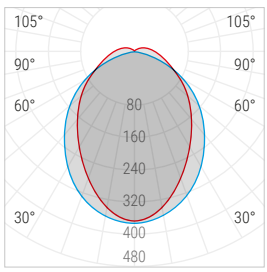
description	
99228	Fastening kit with safety clasp. Two fastening kits are required for installation

description	
99225	IP66 connection box.

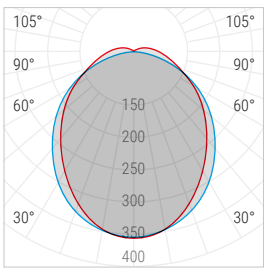
description	
99229	Extension cables in neoprene ON-OFF (per meter) 2x1mm². Example: 99229 x 3 pz = 3m
83213	Extension cables in neoprene DALI (per meter) 4x1mm². Example: 83213 x 3 pz = 3m

description	
98729	Quick connector ON-OFF IP68 socket/plug (2 poles).
99768	Quick connector DALI IP68 socket/plug (5 poles).

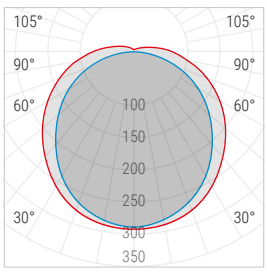
Photometric curves of High Wired IP44 14,5W (95239)



C0/C180 C90/C270
Optic 30 Flood



C0/C180 C90/C270
Optic 60 Wide Flood



C0/C180 C90/C270
Optic 12 Extra Wide Flood

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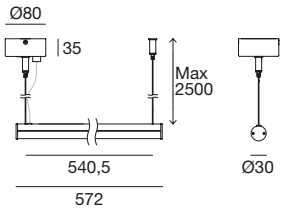
Private project | Vicenza, Italy

Fox Belysning AB Tellusgatan 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

2,5 m | 7,8 | 0,68



	CRI 80
Embossed	**97812**

	Cct	lm S - D
W	3000	1688 - On req
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

Optic	
12	E.W.Flood -

	CRI 80
Opaline	**97808**

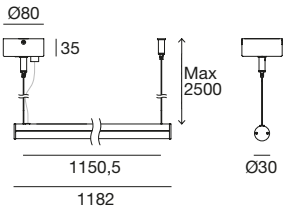
	Cct	lm S - D
W	3000	1688 - On req
N	4000	1793 - On req
C	6500	1864 - On req
R	621*	416 - On req
G	528*	995 - On req
B	456*	198 - On req

Optic	
00	Diffused -

*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

2,5 m | 15,5 | 0,89



	CRI 80
Embossed	**97813**

	Cct	lm S - D
W	3000	2780 - On req
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

Optic	
12	E.W.Flood -

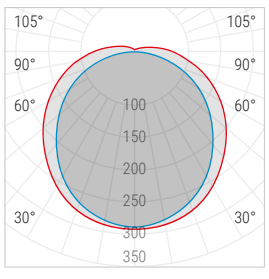
	CRI 80
Opaline	**97809**

	Cct	lm S - D
W	3000	2780 - On req
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

Optic	
00	Diffused -

*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)



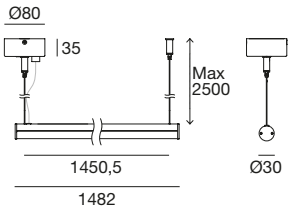
C0/C180 C90/C270

Optic 12 Extra Wide Flood

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



	CRI 80
Embossed	**97814**

	Cct	lm S - D
W	3000	4766 - On req
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

Optic	
12	E.W.Flood -

	CRI 80
Opaline	**97810**

	Cct	lm S - D
W	3000	4766 - On req
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

Optic	
00	Diffused -

*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.

"Children school" of Abredo | Castione di Bellinzona, Switzerland

Fotoelysning AB · Tellusgatan 6 · Telefonplan · 126 26 Hägersten · 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Extreme environments

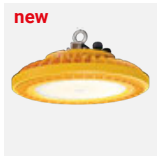
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Extreme environments lighting range index **back to** index

Heat Proof line

Prolamp HP	Prolamp_P HP	Biglamp HP	Biglamp_P HP	Flamp HP	Alux HP
new	new	new	new		new
147	147	148	148	149	149

Atex line

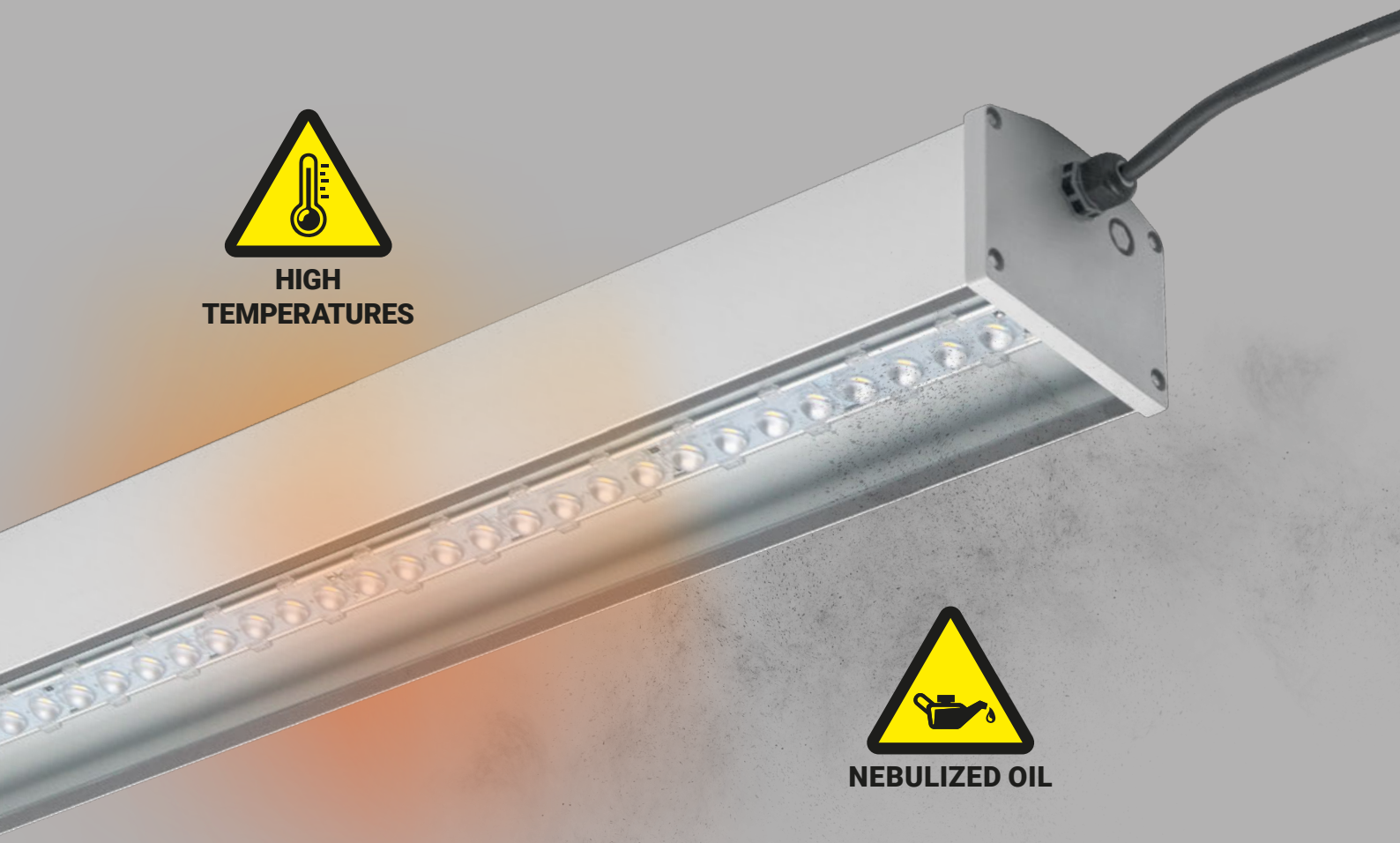
Atix	Alitex	Alitex_Pro	Atox	Atox_Pro
	new		new	new 
154	154	154	155	155

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Heat Proof line

back to index

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

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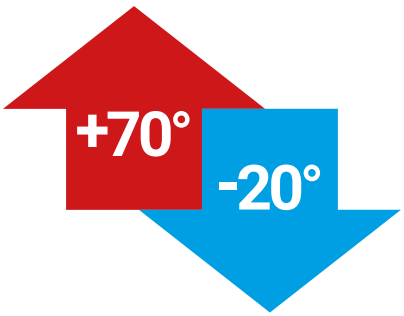
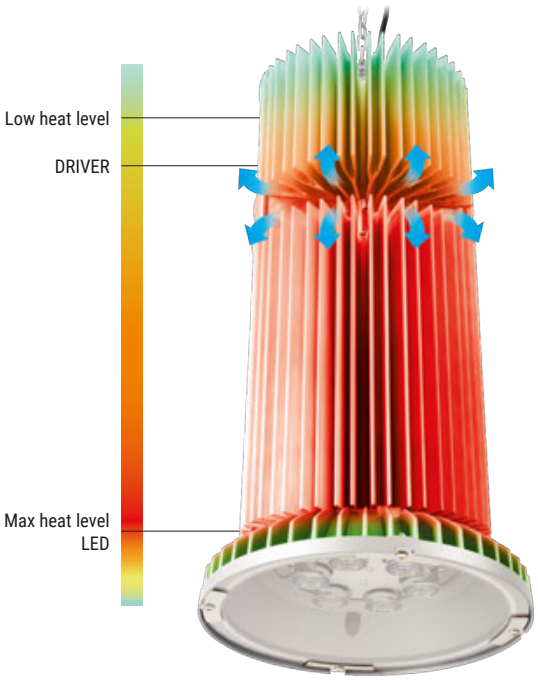
Harsh environments

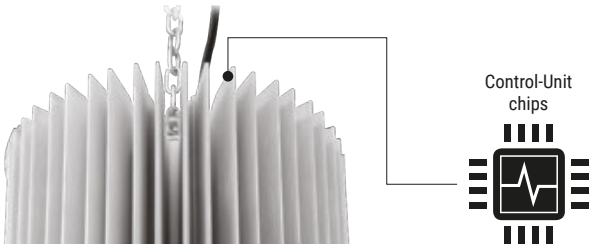
In industrial locations with the presence of large machinery, furnaces, lathes or casting machinery, a lot of heat is usually generated. In these environments, the air can be harsh due to the presence of sprayed oils, fumes or scrap particles. HP "Heat Proof" versions are ideal for this type of environment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



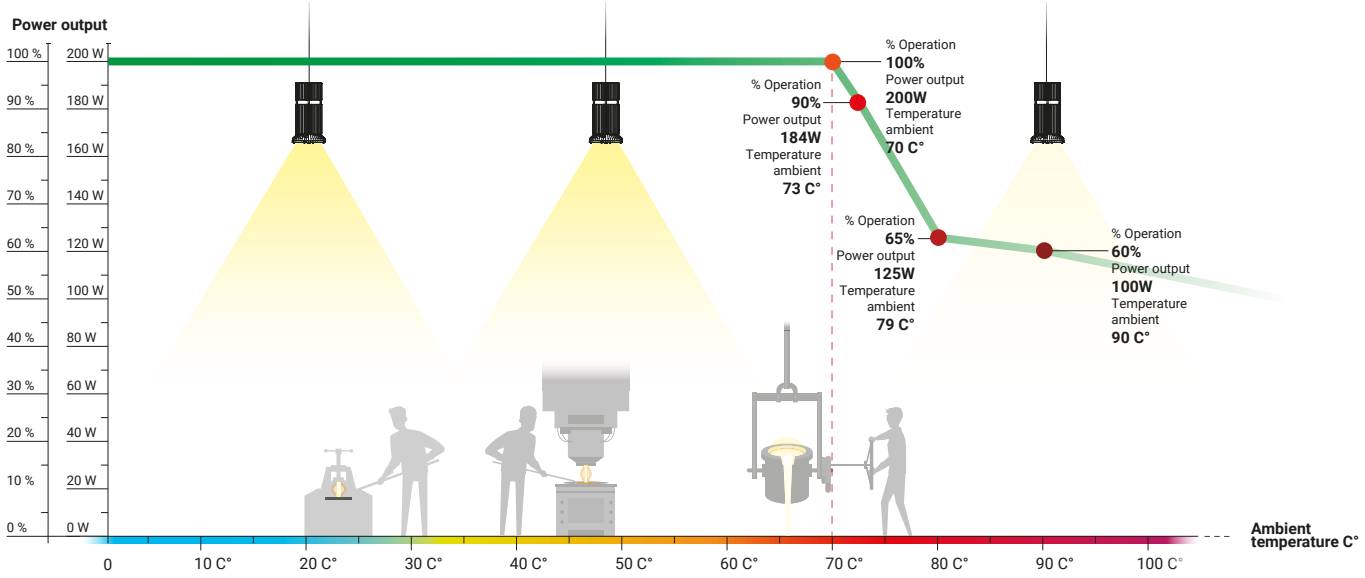
Heat dissipation

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.





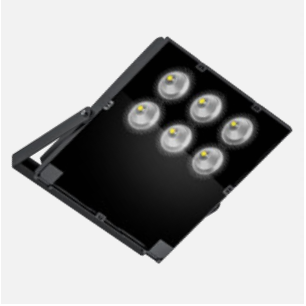
Operation of the fixture in relation to the temperature of the surrounding environment

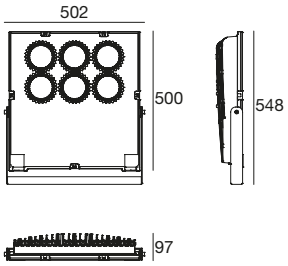


Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP66 35,7 13,7





CRI 80

Black	**76017**

Cct		100% (250W AC) lm S - D	50% (130W AC) lm S - D
W	3000	36567 - 28500	22600 - 17670
N	4000	38601 - 30095	23845 - 18659
C	5000	39044 - 31017	24139 - 18263

Optic		
30	Flood	(28°)
60	W.Flood	(58°)
90	E.W.Flood	(88°)
12	E.W.Flood	-
07	Asymm.	-

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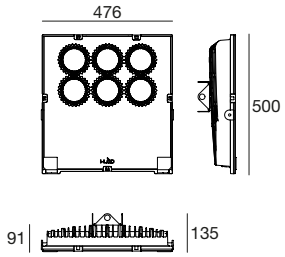
Prolamp_P HP | Pendant | arrayLED | 198-264 V AC | 230 W DC - 250 W AC

IK08 IP66 35,7 13,7



CRI 80

Black	**76014**

Cct		100% (250W AC) lm S - D	50% (130W AC) lm S - D
W	3000	36567 - On req	22600 - On req
N	4000	38601 - On req	23845 - On req
C	5000	39044 - On req	24139 - On req

Optic		
30	Flood	(28°)
60	W.Flood	(58°)
90	E.W.Flood	(88°)
12	E.W.Flood	-
07	Asymm.	-

Accessories Pag. 147

Prolamp optic 30 - 60 - 90

Prolamp optic 07

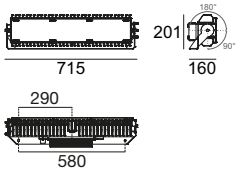
Prolamp optic 12

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



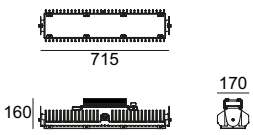
CRI 80

Allum.	**70618**

	Cct	100% (250W AC) lm S - D	50% (130W AC) lm S - D
W	3000	35275 - On req	22173 - On req
N	4000	38042 - On req	23912 - On req
C	5700	38042 - On req	23912 - On req

	Optic	
15	Spot	(25°)
30	Flood	(38°)
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**

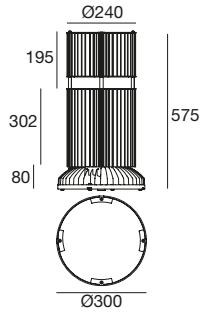
	Cct	100% (250W AC) lm S - D	50% (130W AC) lm S - D
W	3000	35275 - On req	22173 - On req
N	4000	38042 - On req	23912 - On req
C	5700	38042 - On req	23912 - On req

	Optic	
15	Spot	(25°)
30	Flood	(38°)
60	W.Flood	(62°)
07	Asymm.	-

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP65 UGR ∗≤22 dm³ 51 Kg 17



CRI 80

Alum Zr **92793**

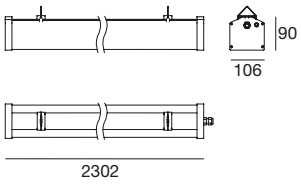
	Cct	100% (200W AC) lm S - D	50% (100W AC) lm S - D
W	3000	27589 - On req	14974 - On req
N	4000	29661 - On req	16098 - On req
C	5000	31733 - On req	17223 - On req

	Optic	
45	W.Flood*	-
60	W.Flood*	(69°)
90	E.W.Flood	(94°)
11	E.W.Flood	(113°)
88	Oval	(57°x89°)

Metallic cage available on request
to protect against impact.

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

1 m IK06 IP65 UGR ≤22 dm³ 36 Kg 9

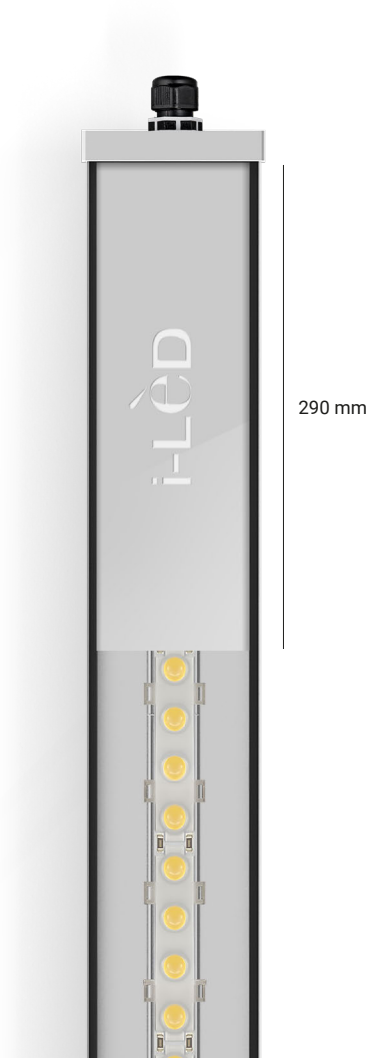


CRI 80

Alu Glass **76016**

	Cct	100% (150W AC) lm S - D	50% (80W AC) lm S - D
W	3000	22845 - On req	12890 - On req
N	4000	24078 - On req	13554 - On req
C	5000	24018 - On req	13554 - On req

	Optic	
30	Flood	(33°)
60	W.Flood	(50°)
12	E.W.Flood	(116°)
00	Diffused	-



290 mm

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Atex line

back to index

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

- Mining sites
- Petrochemical industries
- Service stations
- Electrical power plants
- Chemical industries
- Pharmaceutical industries
- Food industries

Fox Belysning AB Teliusgången 8 Telefonplan 125 26 Hägersten 08-440 65 40

Fox Belysning AB Tellusgården 3 Telefonplan 428 20 Hä[illegible] 440 85 40

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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 ºC 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

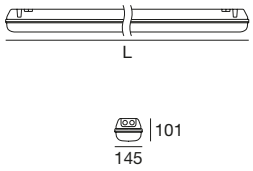
Version suitable for EX zone: **1,21**

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Atix | Ceiling | topLED | 220-240 V AC

IK08 IP66 EX 2,22



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

dm³ 10,7 | Kg 2

Yellow **93280**

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

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

dm³ 20,4 | Kg 3,25

Yellow **93281**

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

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

dm³ 25,2 | Kg 3,6

Yellow **93282**

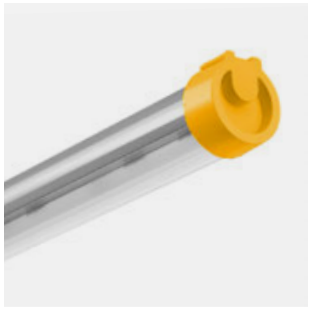
Cct	lm S - D	Optic
N 4000	6600 - 5800	**12** W.Flood (69°)

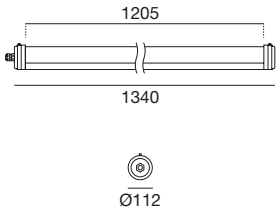
Installation accessory

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

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

1 m | IK10 IP69K EX 2,21 EX 2,22 | dm³ 20 | Kg 4,6



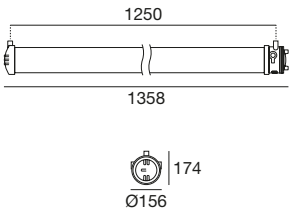


	CRI 80	CRI 80 - DALI
Yellow	**84389**	**84390**

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

IK10 IP66 EX 1,21 | dm³ 60 | Kg 9,9



	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

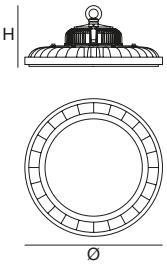
	description
83210	Hanging fixing kit (for indoor installation). **Suitable for:** Alitex

PLUS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Atox | Pendant | topLED | 90-275 V AC

IK08 IP67 EX 2,21 EX 2,22



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

44 7

Yellow **84324**

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

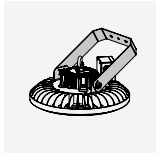
Ø 460 - H 150 - 255W DC - 270W AC - CRI 80

60 10,5

Yellow **84351**

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

Installation accessory

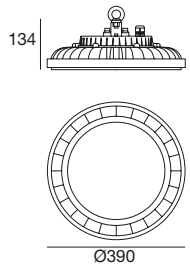


		description
83207	**Ø 390**	Bracket for wall mounting.
83208	**Ø 460**	**Suitable for:** Atox

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

IK08 IP67 EX 1,21

44 8,5



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

PLUS

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Private project

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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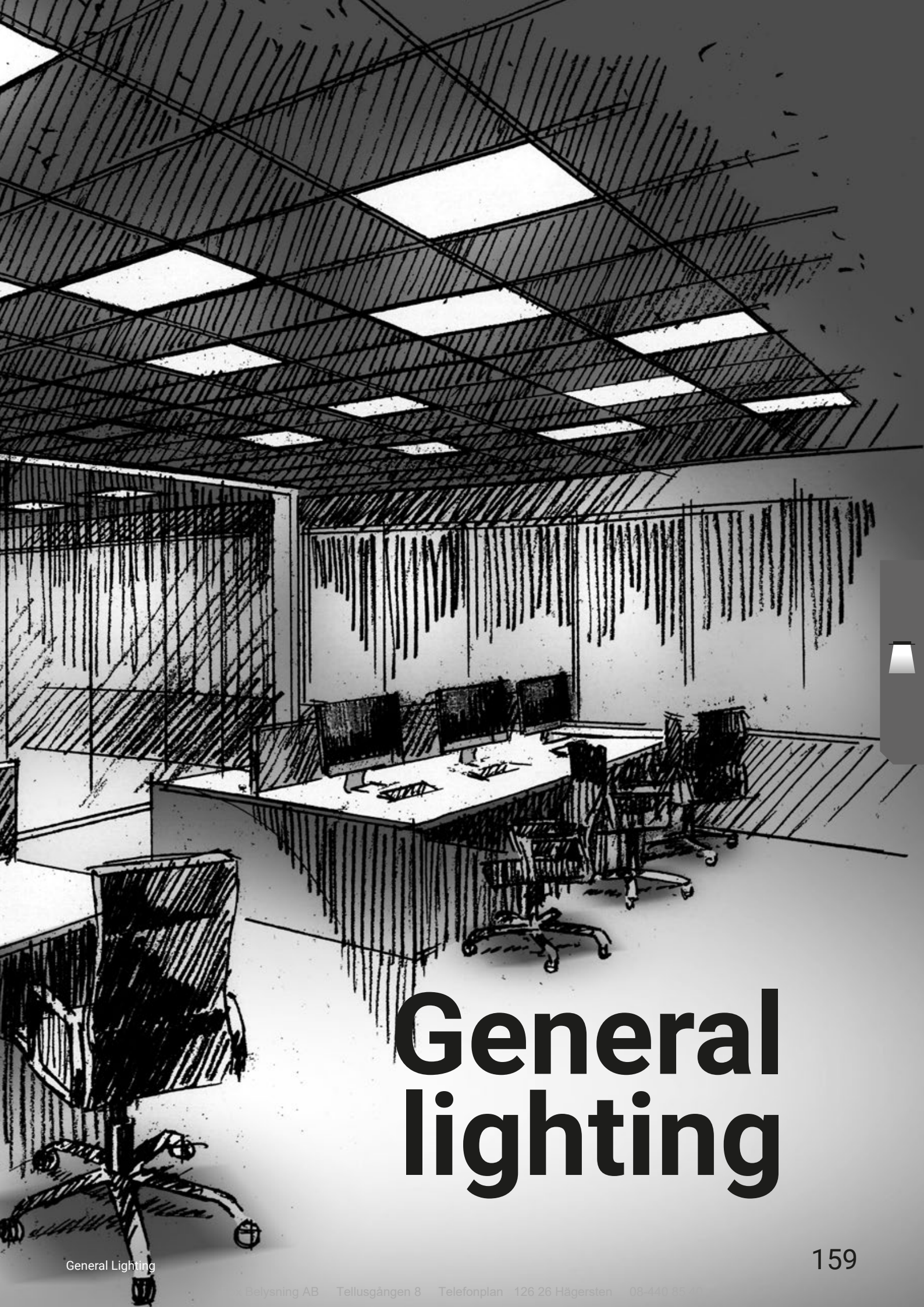
Fox Belysning AB | Tellusgången 8 | Telefonplan | 126 21 Hägersten | 08-440 08 80



General lighting

Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 20

Edith

Edith_C

168

Edith Full-light

170

Edith 295x295

171

Edith 595x595

172

Edith 620x620

176

Edith 295x595

178

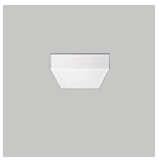
Edith 295x1195

179

Edith 595x1195

180

Edith_S 295x295



186

Edith_S 595x595

188

Edith_S 295x595

187

Edith_S 295x1195

190

Indy

Indy

197

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

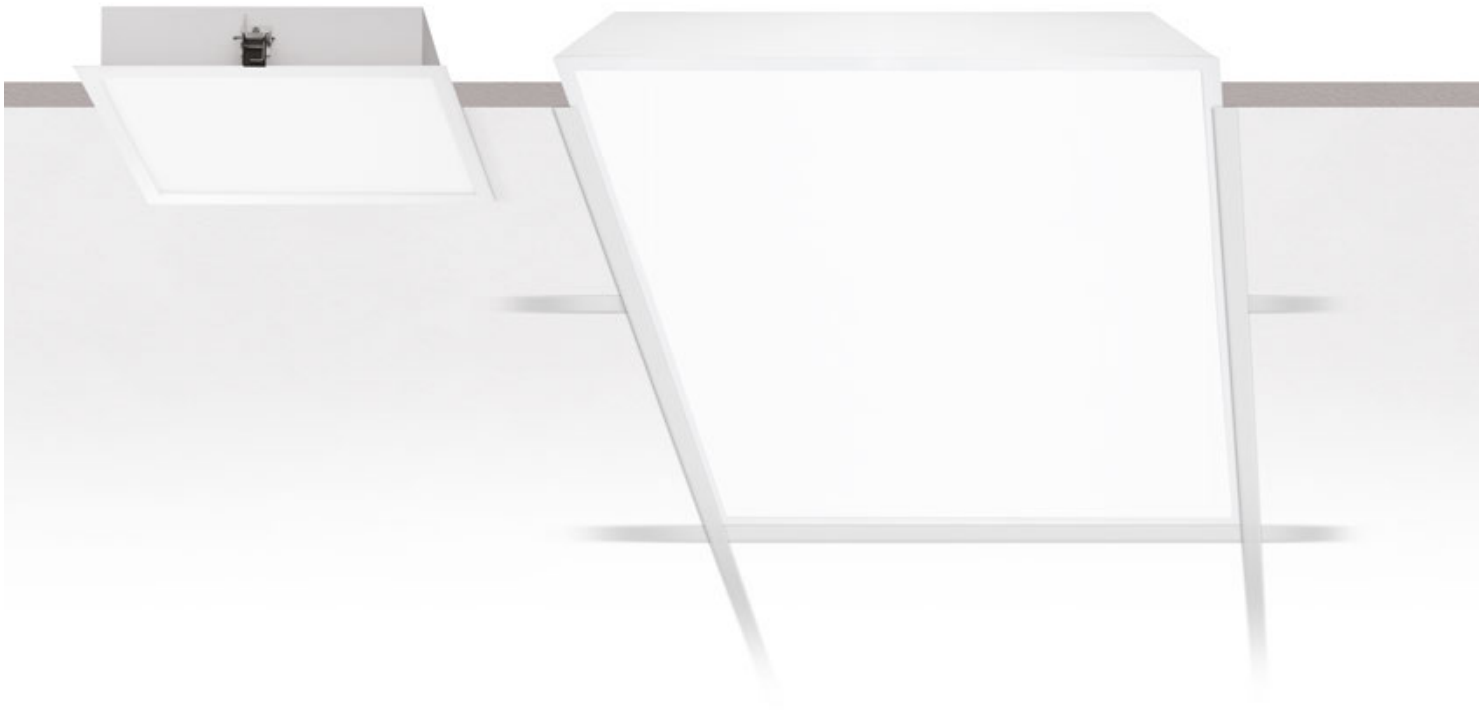
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

edith

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 20 Hägersten 08-440

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

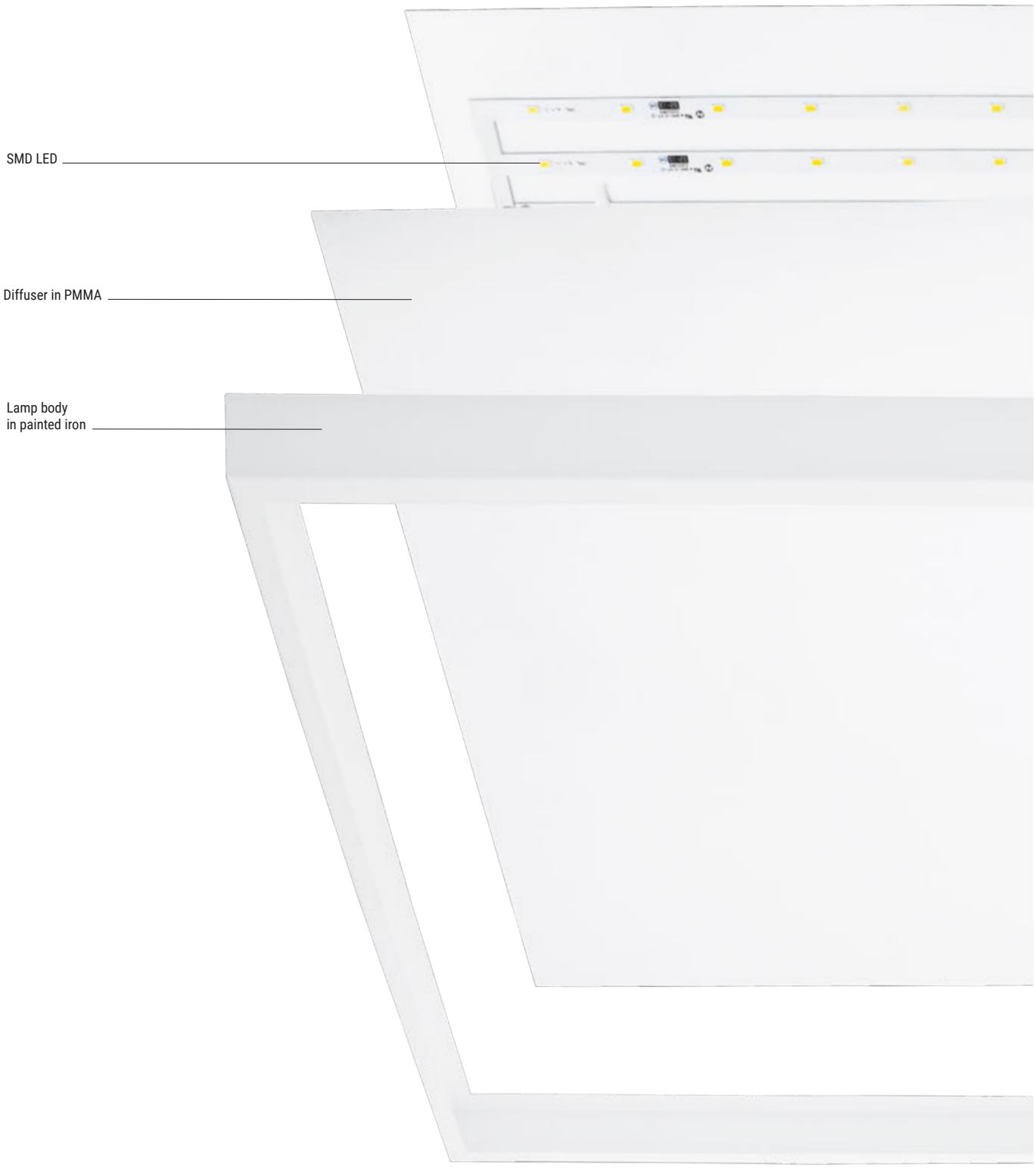
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

	Edith full-light	**Edith_S** (surface)			
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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

UGR
UGR≤19

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

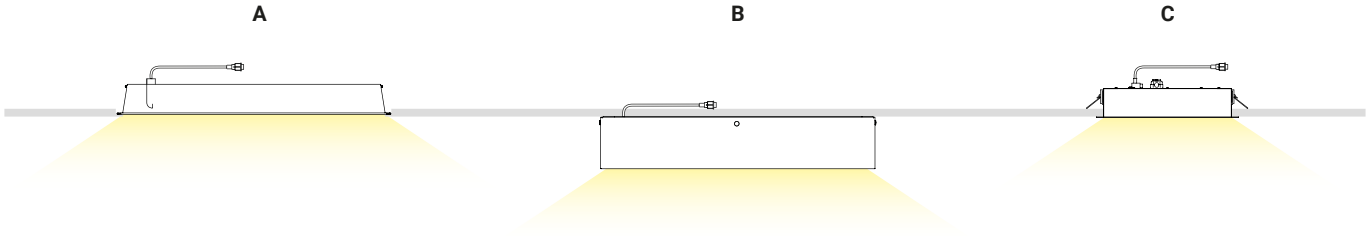
Fitness areas, gyms, beauty centres and wellness areas
Common areas, hallways, stair landings, lifts
Large distribution, shopping centres, supermarkets
Public environments, large common areas, waiting rooms
Shops in general, exhibit halls, showcases, shop fronts

UGR<19

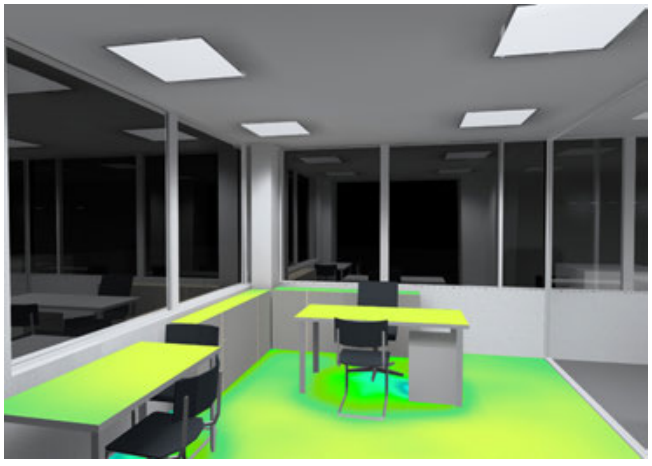
Offices with computer monitors, offices in large spaces such as open space, level 2 specific offices, single offices
Hotels, generic environments where high visual comfort is required
Schools, daycare centres, universities, classrooms, laboratories, meeting rooms, press rooms
Environments for TV filming,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



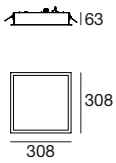
200-300 LUX | 300-400 LUX | 400-500 LUX

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

III C.C. IK05 IP44 UGR dm³ Kg

∗ ≤22 10,2 1,1



	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*	-

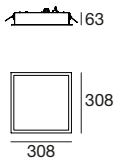
Electronics

83219	**99721**
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

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

III C.C. IK05 IP44 dm³ Kg

10,2 1,1



	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	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Edith_C Comfort

III C.C. IK05 IP44 UGR dm³ Kg

≤19 10,2 1,1

	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	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Edith_C Comfort

III C.C. IK05 IP44 UGR dm³ Kg

≤22 10,2 1,1

	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	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

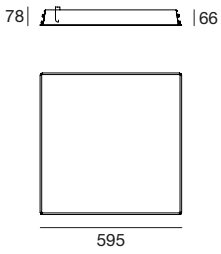
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

IK08 IP40 UGR dm³ Kg

*≤22 36 3,45



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

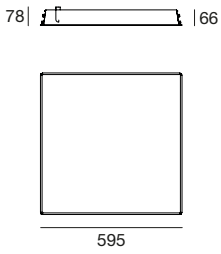
	CRI 92		Cct		lm S - D		Optic	
White	**97856**	**W**	3000		4840 - 3736	**00**	Diffused*	-
CRI 92 - DALI								
White	**97857**							

Accessories Pag. 182 - 183

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

IK08 IP40 UGR dm³ Kg

≤19 36 3,45



	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

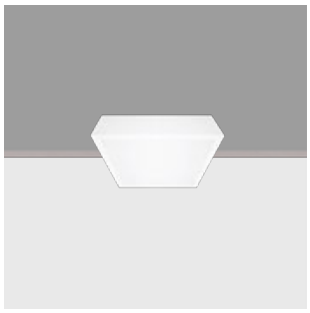
Edith Full-light

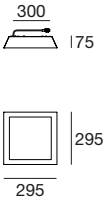
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 UGR dm³ Kg

∗ ≤22 9,5 1,05





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

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

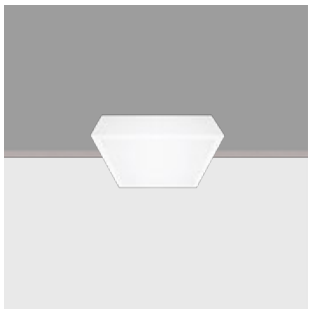
Electronics

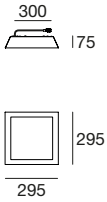
83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

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

C.C. IK05 IP44 dm³ Kg

9,5 1,05





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

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

Electronics

83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Edith Comfort

C.C. IK05 IP44 UGR dm³ Kg

≤19 9,5 1,05

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

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

Electronics

83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Accessories Pag. 182 - 183

Edith Comfort

C.C. IK05 IP44 UGR dm³ Kg

≤22 9,5 1,05

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

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

Electronics

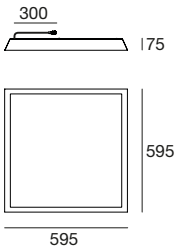
83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Accessories Pag. 182 - 183

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 UGR ≤22 dm³ 36 Kg 3,4



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

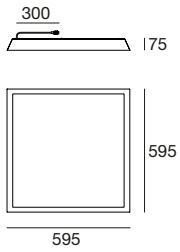
CRI 92		Cct	lm S - D	Optic	
White	**95726**	**W** 3000	3600 - 2912	**00** Diffused	-

Electronics

99093	**83066**
ON/OFF p 103 x l 58 x h 27	0/1-10V DALI PUSH p 124 x l 79 x h 22

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

C.C. IK05 IP44 UGR ≤22 dm³ 36 Kg 3,4



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 p 210 x l 25 x h 49	0/1-10V DALI PUSH p 124 x l 79 x h 22

Edith Comfort

C.C. IK05 IP44 UGR ≤19 dm³ 36 Kg 3,4

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 p 103 x l 58 x h 27	0/1-10V DALI PUSH p 124 x l 79 x h 22

Edith Comfort

C.C. IK05 IP44 UGR ≤19 dm³ 36 Kg 3,4

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 p 210 x l 25 x h 49	0/1-10V DALI PUSH p 124 x l 79 x h 22

Edith Protection

C.C. IK05 IP65 UGR ≤22 dm³ 36 Kg 3,4

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 p 103 x l 58 x h 27	0/1-10V DALI PUSH p 124 x l 79 x h 22

Accessories Pag. 182 - 183

Edith Protection

C.C. IK05 IP65 UGR ≤22 dm³ 36 Kg 3,4

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

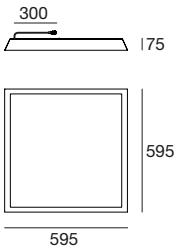
83114	**83066**
ON/OFF p 210 x l 25 x h 49	0/1-10V DALI PUSH p 124 x l 79 x h 22

Accessories Pag. 182 - 183

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 36 3,4



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 p 235 x l 100 x h 31	DALI PUSH p 235 x l 100 x h 31

Edith Protection

C.C. IK05 IP65 36 3,4

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 -

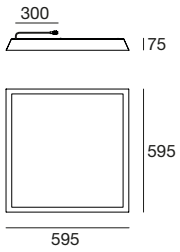
Electronics

83234	**83233**
ON/OFF 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

C.C. IK05 IP44 36 3,4



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 p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

Edith Protection

C.C. IK05 IP65 36 3,4

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 p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

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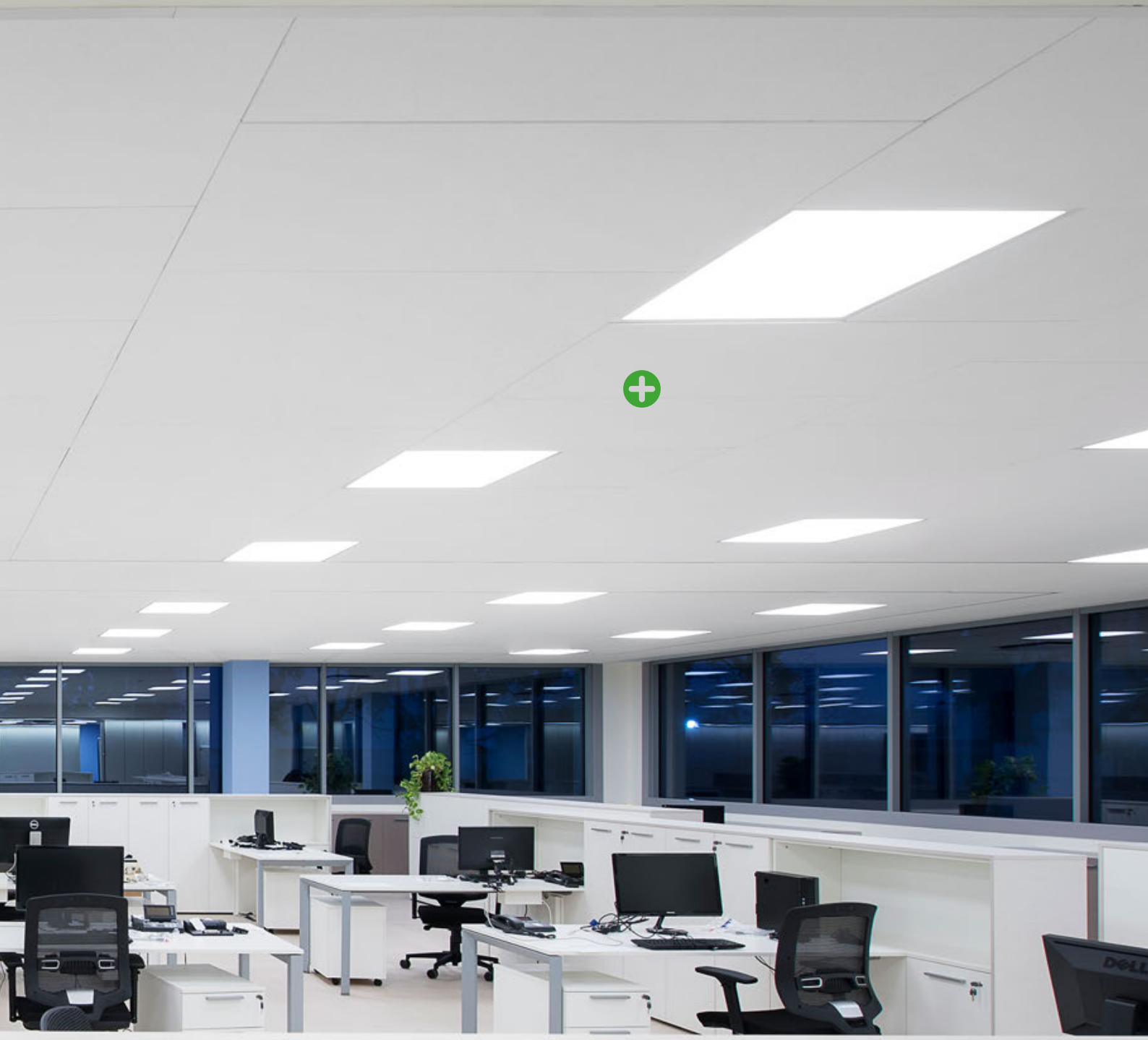
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Hendress + Hauser | Cernusco, Italy

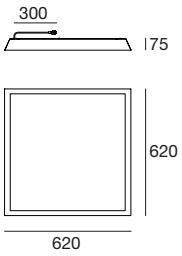
Fox Belysning AB Tellusgatan 8 - Telefonplan 126 26 Hägersten 08-440 85 40



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 UGR ≤22 dm³ 41 Kg 3,7



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

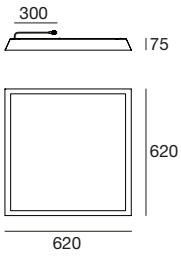
CRI 92		Cct	lm S - D	Optic
White	**96413**	**W** 3000	3600 - 2912	**00** Diffused -

Electronics

99093	**83066**
ON/OFF	0/1-10V DALI PUSH
p 103 x l 58 x h 27	p 124 x l 79 x h 22

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

C.C. IK05 IP44 dm³ 41 Kg 3,7



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 l 25 x h 49	p 124 x l 79 x h 22

Edith Comfort

C.C. IK05 IP44 UGR ≤19 dm³ 41 Kg 3,7

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 l 58 x h 27	p 124 x l 79 x h 22

Edith Comfort

C.C. IK05 IP44 UGR ≤19 dm³ 41 Kg 3,7

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 l 25 x h 49	p 124 x l 79 x h 22

Edith Protection

C.C. IK05 IP65 UGR ≤22 dm³ 41 Kg 3,7

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 l 58 x h 27	p 124 x l 79 x h 22

Accessories Pag. 182 - 183

Edith Protection

C.C. IK05 IP65 dm³ 41 Kg 3,7

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

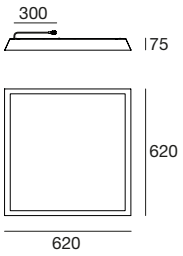
83114	**83066**
ON/OFF	0/1-10V DALI PUSH
p 210 x l 25 x h 49	p 124 x l 79 x h 22

Accessories Pag. 182 - 183

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

III C.C. IK05 IP44 41 3,7



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 p 235 x l 100 x h 31	DALI PUSH p 235 x l 100 x h 31

Edith Protection

III C.C. IK05 IP65 41 3,7

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 -

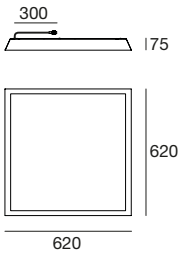
Electronics

83234	**83233**
ON/OFF 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

III C.C. IK05 IP44 41 3,7



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 p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

Edith Protection

III C.C. IK05 IP65 41 3,7

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

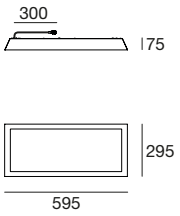
99101	**99165**
ON/OFF p 199 x l 63 x h 35	DALI p 199 x l 63 x h 35

Accessories Pag. 182 - 183

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

III C.C. IK05 IP44 19 1,9



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 l 37 x h 30	p 141 x l 37 x h 30

Edith Comfort

III C.C. IK05 IP44 UGR ≤19 19 1,9

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 -

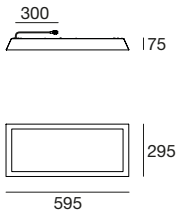
Electronics

99740	99738
ON/OFF	DALI PUSH
p 141 x l 37 x h 30	p 141 x l 37 x h 30

Accessories Pag. 182 - 183

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

III C.C. IK05 IP44 19 1,9



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 l 58 x h 27	p 210 x l 48 x h 25

Edith Comfort

III C.C. IK05 IP44 UGR ≤19 19 1,9

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 l 58 x h 27	p 210 x l 48 x h 25

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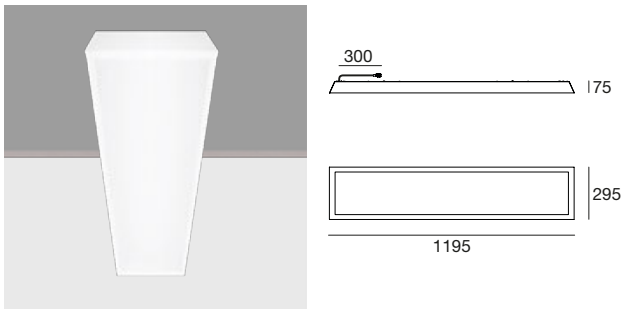
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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



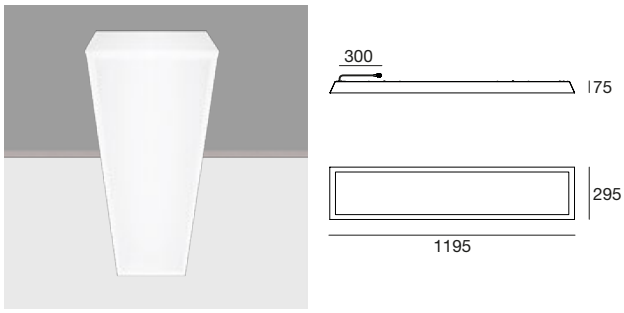
CRI 80		Cct	lm S - D	Optic
White	**96593**	**W** 3000	4623 - 3452	**00** Diffused -
		N 4000	4841 - 3766	

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 l 58 x h 27	p 124 x l 79 x h 22

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



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

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 l 25 x h 49	p 124 x l 79 x h 22

Edith Comfort

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

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 l 58 x h 27	p 124 x l 79 x h 22

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Edith Comfort

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

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

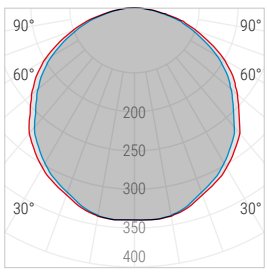
Electronics

83114	**83066**
ON/OFF	0/1-10V DALI PUSH
p 210 x l 25 x h 49	p 124 x l 79 x h 22

Accessories Pag. 182 - 183

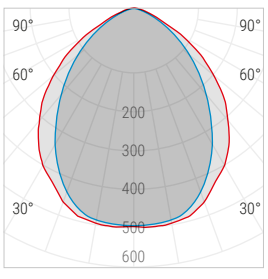
Photometric curves of:

Edith Full-light 45W (97854)



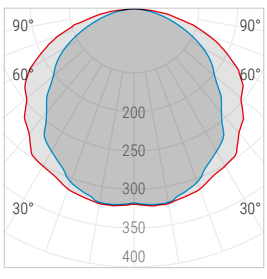
C0/C180 C90/C270
Optic 00 Diffused

Edith Full-light Comfort 30W (97850)



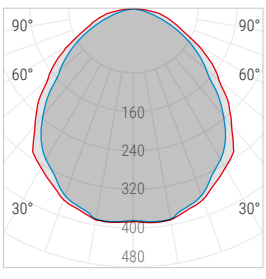
C0/C180 C90/C270
Optic 00 Diffused

Edith 30W (96593)



C0/C180 C90/C270
Optic 00 Diffused

Edith Comfort 30W (96596)

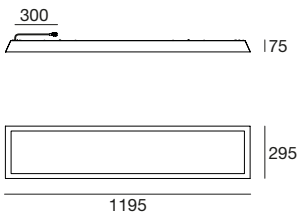


C0/C180 C90/C270
Optic 00 Diffused

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

III C.C. IK05 IP44 44 4,5



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 -

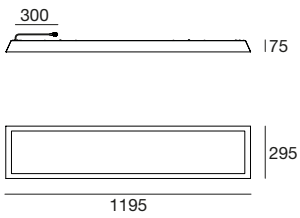
Electronics

83234	**83233**
ON/OFF	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

III C.C. IK05 IP44 44 4,5



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 -

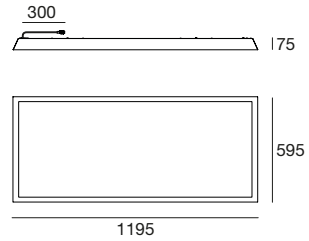
Electronics

99101	**99165**
ON/OFF	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 | 100W DC 2500 mA

III C.C. IK05 IP44 80 7,7



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 -

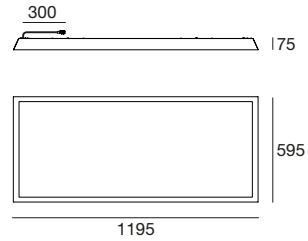
Electronics

99101	**99165**
ON/OFF	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 | 140W DC 3600 mA

III C.C. IK05 IP44 80 7,7



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	DALI
p 219 x l 63 x h 35	p 219 x l 63 x h 35

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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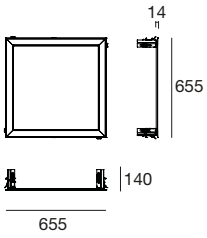
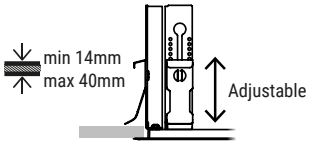
Aluminium support frame with embossed white finish, for exposed installation. Accessory suitable for installation of:
Edith 595x595mm, 595x295mm, 1195x295mm and 1195x595mm.

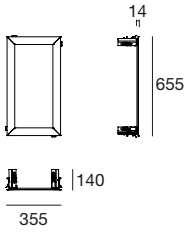


	size	suitable for
98313	655 x 655mm	Edith 595 x 595mm Edith_Full-Light 595 x 595mm

635x635 | 29,3 | 1

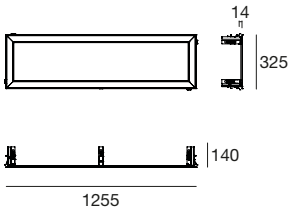


Adjustable based on the thickness of the plasterboard which must be at least 14 mm thick and no thicker than 40 mm.



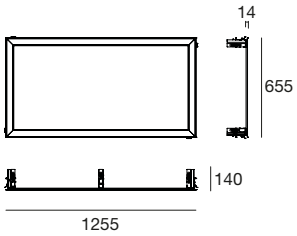
	size	suitable for
98406	607 x 302mm	Edith 595 x 295mm

635x335 | 18,8 | 0,9



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

1235x335 | 29,3 | 1,5



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

1235x635 | 58,6 | 1,6

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Accessory | Support for flush installation with exposed frame

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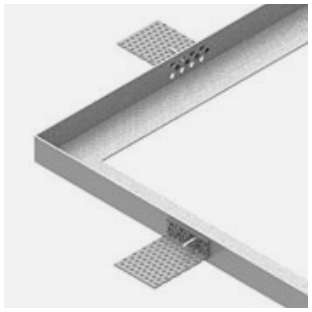
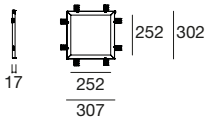
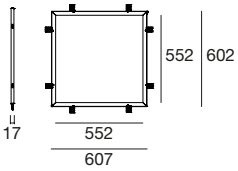
Galvanised calendered metal support frame, for flushed installation with a quick-coupling mounting system. Accessory suitable for installation of:
Edith 295x295mm, 595x595mm, 1195x295mm e 1195x595mm and Edith Full-light 595x595mm.





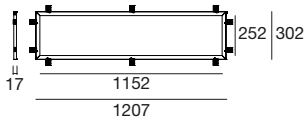
	size	suitable for
98405	307 x 302mm	Edith 295 x 295mm

dm³ 19,5 Kg 0,22



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

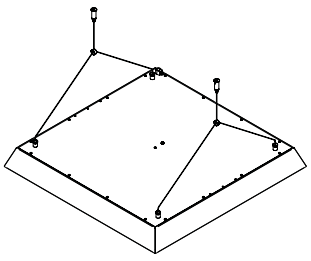
dm³ 47,2 Kg 0,57



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

dm³ 47,2 Kg 0,57

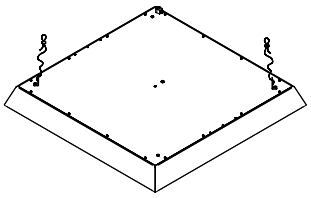
Accessory | Double cable self-supporting kit



	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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

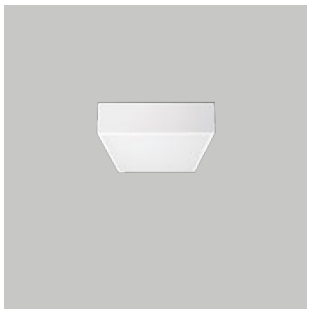
Private project

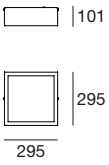
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 UGR dm³ Kg

∗ ≤22 | 15 | 1,9





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

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

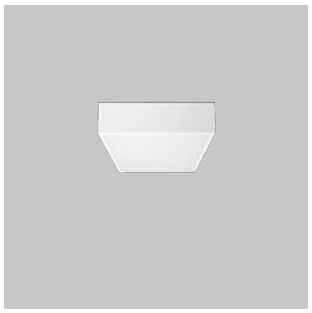
Electronics

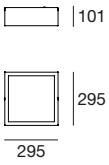
83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

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

C.C. IK05 IP44 dm³ Kg

15 | 1,9





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

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

Electronics

83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Edith_S Comfort

C.C. IK05 IP44 UGR dm³ Kg

≤19 | 15 | 1,9

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

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

Electronics

83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Edith_S Comfort

C.C. IK05 IP44 UGR dm³ Kg

≤22 | 15 | 1,9

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

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

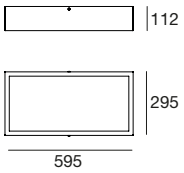
Electronics

83219	99721
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 59 x h 25

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

III C.C. IK05 IP44 28,7 3,2



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

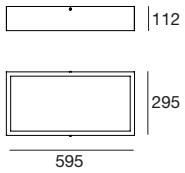
CRI 92		Cct	lm S - D	Optic
White	**96501**	**W** 3000	2106 - On req	**00** Diffused -

Electronics

99740	**99738**
ON/OFF	DALI PUSH
p 141 x l 37 x h 30	p 141 x l 37 x h 30

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

III C.C. IK05 IP44 28,7 3,2



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 l 58 x h 27	p 210 x l 48 x h 25

Edith_S Comfort

III C.C. IK05 IP44 UGR ≤19 28,7 3,2

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 l 37 x h 30	p 141 x l 37 x h 30

Edith_S Comfort

III C.C. IK05 IP44 UGR ≤19 28,7 3,2

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 -

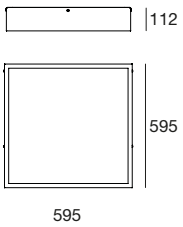
Electronics

99261	**99721**
ON/OFF	DALI PUSH
p 103 x l 58 x h 27	p 210 x l 48 x h 25

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 UGR ≤22 | dm³ 65,1 | Kg 5,5



CRI 80		Cct	lm S - D	Optic	
White	**96471**	**W** 3000	4293 - 3636	**00** Diffused	-
		N 4000	4495 - 3966		

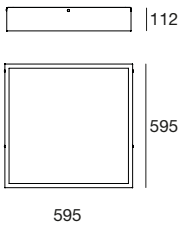
CRI 92		Cct	lm S - D	Optic	
White	**96472**	**W** 3000	3600 - 2694	**00** Diffused	-

Electronics

99093	**83066**
ON/OFF	0/1-10V DALI PUSH
p 103 x l 58 x h 27	p 124 x l 79 x h 22

Edith_S | General lighting | topLED | 50W DC 840 mA

C.C. IK05 IP44 dm³ 65,1 | Kg 5,5



CRI 80		Cct	lm S - D	Optic	
White	**96471**	**W** 3000	6811 - On req	**00** Diffused	-
		N 4000	7216 - On req		

CRI 92		Cct	lm S - D	Optic	
White	**96472**	**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 79 x h 22

Edith_S Comfort

C.C. IK05 IP44 UGR ≤19 | dm³ 65,1 | Kg 5,5

CRI 80		Cct	lm S - D	Optic	
White	**96473**	**W** 3000	4293 - 2912	**00** Diffused	-
		N 4000	4495 - 3177		

CRI 92		Cct	lm S - D	Optic	
White	**96474**	**W** 3000	3600 - 2157	**00** Diffused	-

Electronics

99093	**83066**
ON/OFF	0/1-10V DALI PUSH
p 103 x l 58 x h 27	p 124 x l 79 x h 22

Edith_S Comfort

C.C. IK05 IP44 UGR ≤19 | dm³ 65,1 | Kg 5,5

CRI 80		Cct	lm S - D	Optic	
White	**96473**	**W** 3000	6811 - On req	**00** Diffused	-
		N 4000	7216 - On req		

CRI 92		Cct	lm S - D	Optic	
White	**96474**	**W** 3000	5273 - On req	**00** Diffused	-

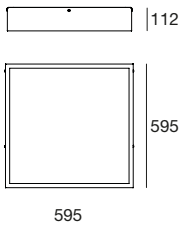
Electronics

83114	**83066**
ON/OFF	0/1-10V DALI PUSH
p 210 x l 25 x h 49	p 124 x l 79 x h 22

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 65,1 5,5



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

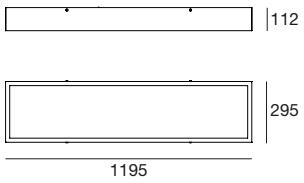
Edith_S Comfort

Edith_S

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44 65 7



CRI 80		Cct	lm S - D	Optic	
White	**96568**	**W** 3000	4623 - 3797	**00** Diffused	-
		N 4000	4841 - 4142		

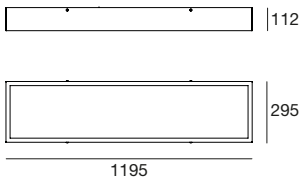
CRI 92		Cct	lm S - D	Optic	
White	**96570**	**W** 3000	3887 - 2812	**00** Diffused	-

Electronics

99093	**83066**
ON/OFF	0/1-10V DALI PUSH
p 103 x l 58 x h 27	p 124 x l 79 x h 22

Edith_S | General lighting | topLED | 50W DC 840 mA

C.C. IK05 IP44 65 7



CRI 80		Cct	lm S - D	Optic	
White	**96568**	**W** 3000	6406 - On req	**00** Diffused	-
		N 4000	7062 - On req		

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 l 25 x h 49	p 124 x l 79 x h 22

Edith_S Comfort

C.C. IK05 IP44 UGR ≤22 65 7

CRI 80		Cct	lm S - D	Optic	
White	**96572**	**W** 3000	4623 - 2768	**00** Diffused	-
		N 4000	4841 - 3020		

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 l 58 x h 27	p 124 x l 79 x h 22

Edith_S Comfort

C.C. IK05 IP44 UGR ≤22 65 7

CRI 80		Cct	lm S - D	Optic	
White	**96572**	**W** 3000	6406 - On req	**00** Diffused	-
		N 4000	7062 - On req		

CRI 92		Cct	lm S - D	Optic	
White	**96574**	**W** 3000	5678 - On req	**00** Diffused	-

Electronics

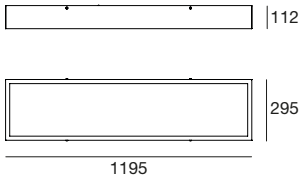
83114	**83066**
ON/OFF	0/1-10V DALI PUSH
p 210 x l 25 x h 49	p 124 x l 79 x h 22

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

C.C. IK05 IP44

65 7



CRI 80		Cct	lm S - D	Optic
White	**96569**	**W** 3000	9153 - 8206	**00** Diffused -
		N 4000	10088 - 9045	

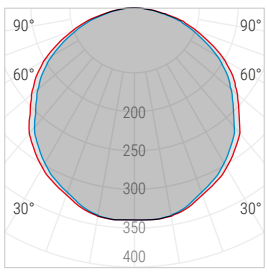
CRI 92		Cct	lm S - D	Optic
White	**96571**	**W** 3000	8112 - 7273	**00** Diffused -

Electronics

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

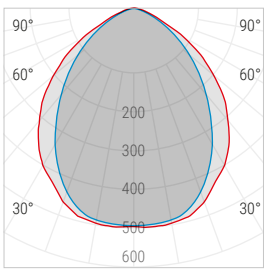
Photometric curves of:

Edith_S
30W (96471)



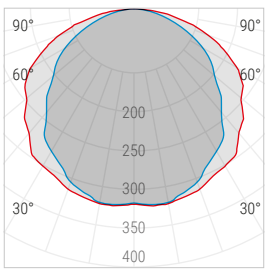
C0/C180 C90/C270
Optic 00 Diffused

Edith_S Comfort
30W (96473)



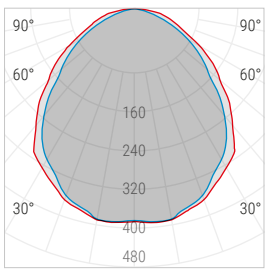
C0/C180 C90/C270
Optic 00 Diffused

Edith_S
30W (96568)



C0/C180 C90/C270
Optic 00 Diffused

Edith_S Comfort
30W (96572)

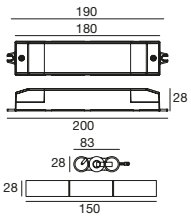


C0/C180 C90/C270
Optic 00 Diffused

PLUS
EM
ELECTR

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

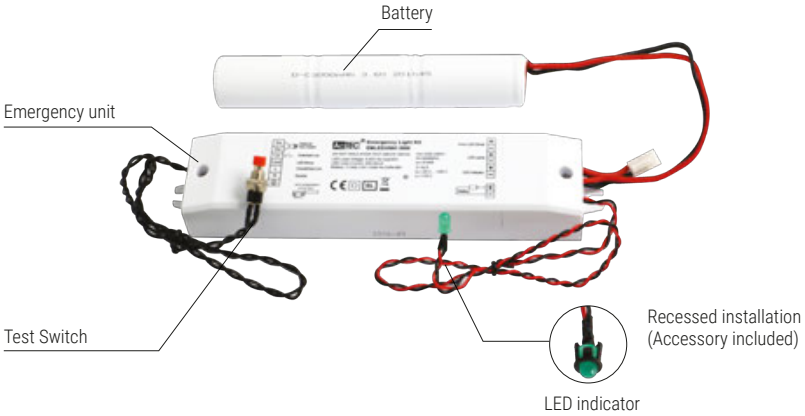
EM C.C. IP20

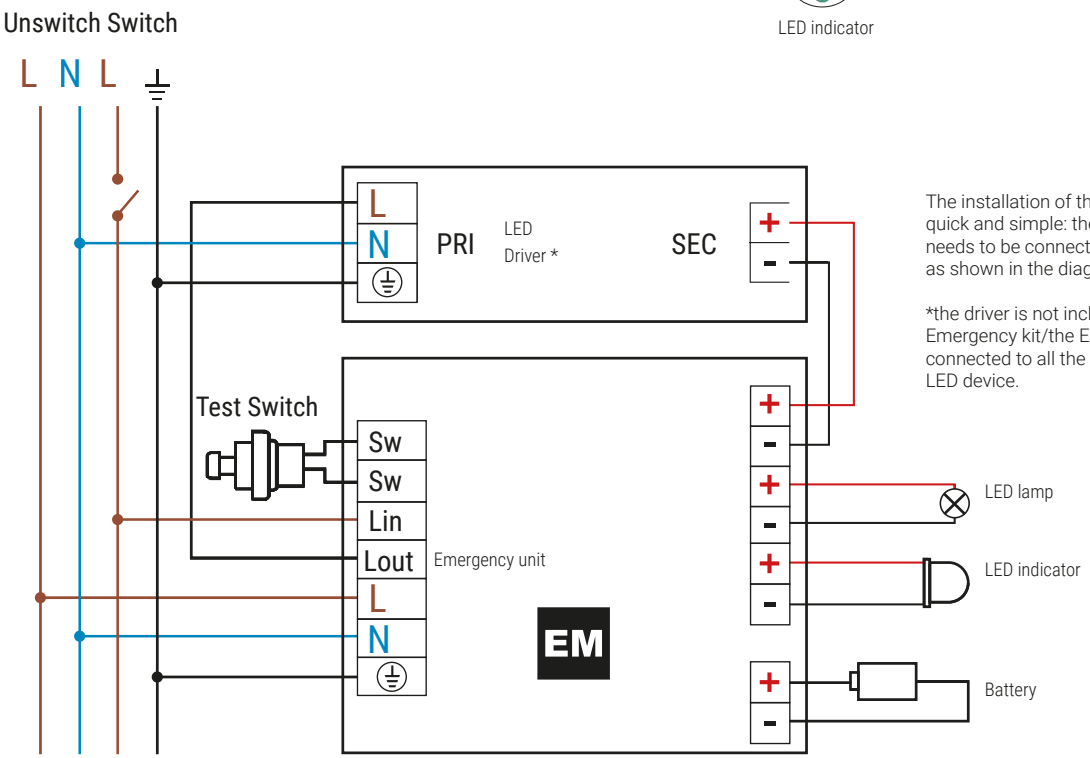


Switchable (on/off) in the presence of mains via switch on SL input (switched line). Automatic reset following battery and/or LED lamp replacement. Electronic multi-level charging system.
Supplied with 3,000 mAh battery pack.

	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



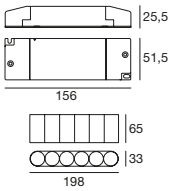


The installation of the emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

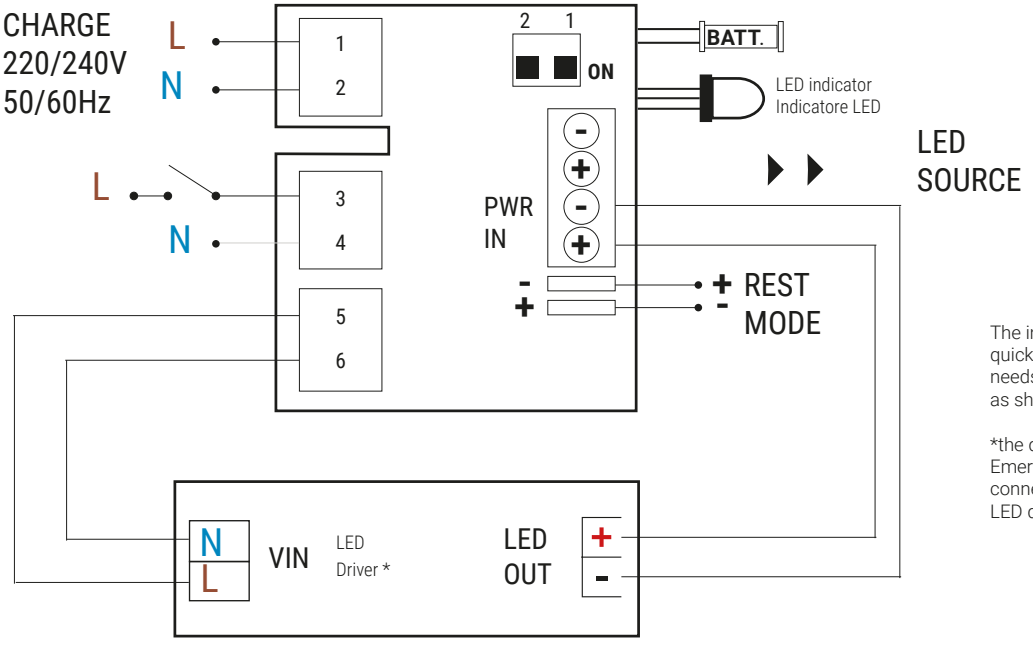
EM C.C. IP20



	range	output	input	PF
KIT0014	Universal C.C. Universal C.V.	9-57V 350-60mA 24V 2000mA	220~240V AC	0.5

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

- 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.



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.

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Hendress + Hauser | Cernusco, Italy

Fox Belysning AB Telluskatan 2-6 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

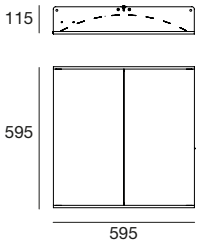
indy

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

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Indy | General lighting | topLED | 220-240 V AC | 30W DC 33 W AC

IK08 IP40 UGR ≤19 60 5,5

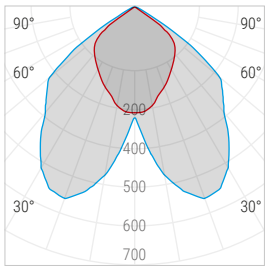


	CRI 80	CRI 80 - DALI
White	**92426**	**92427**

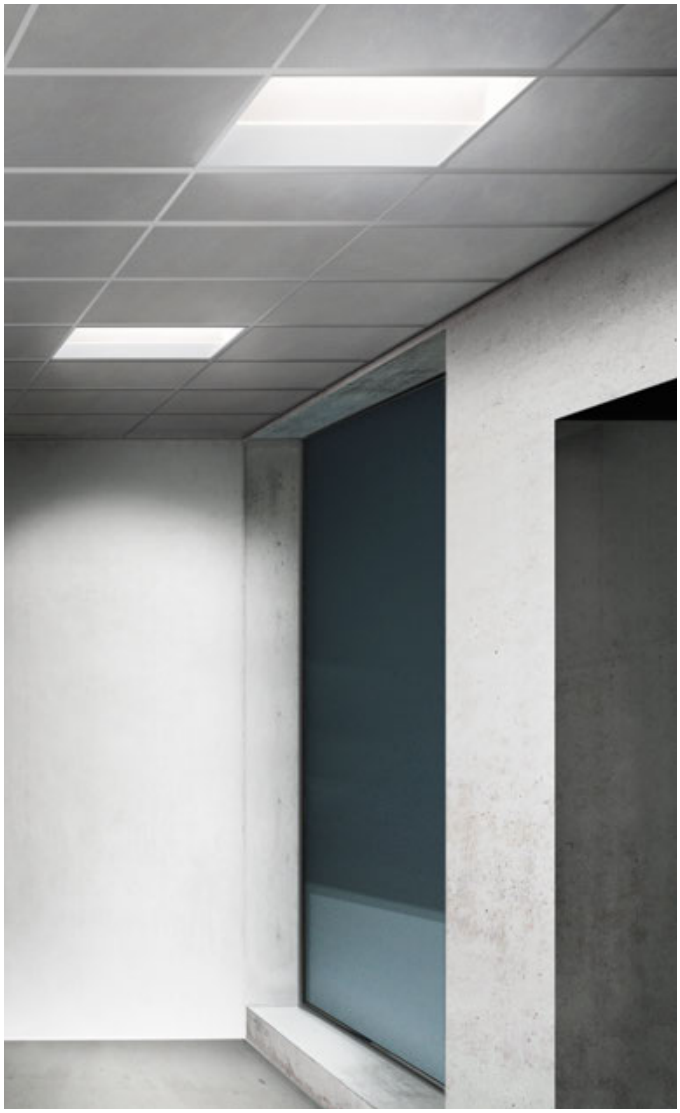
Cct		Im S - D
W	3000	4240 - 3463
N	4000	4392 - 3587

Optic	
00	Diffused -

Photometric curves of Indy 33W (92426)



Optic 00 Diffused

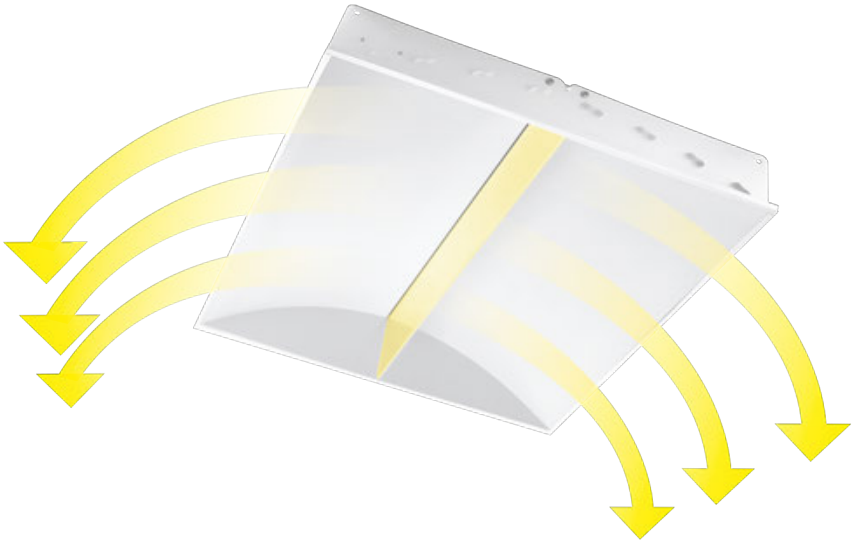


OptiLight Technology™

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.

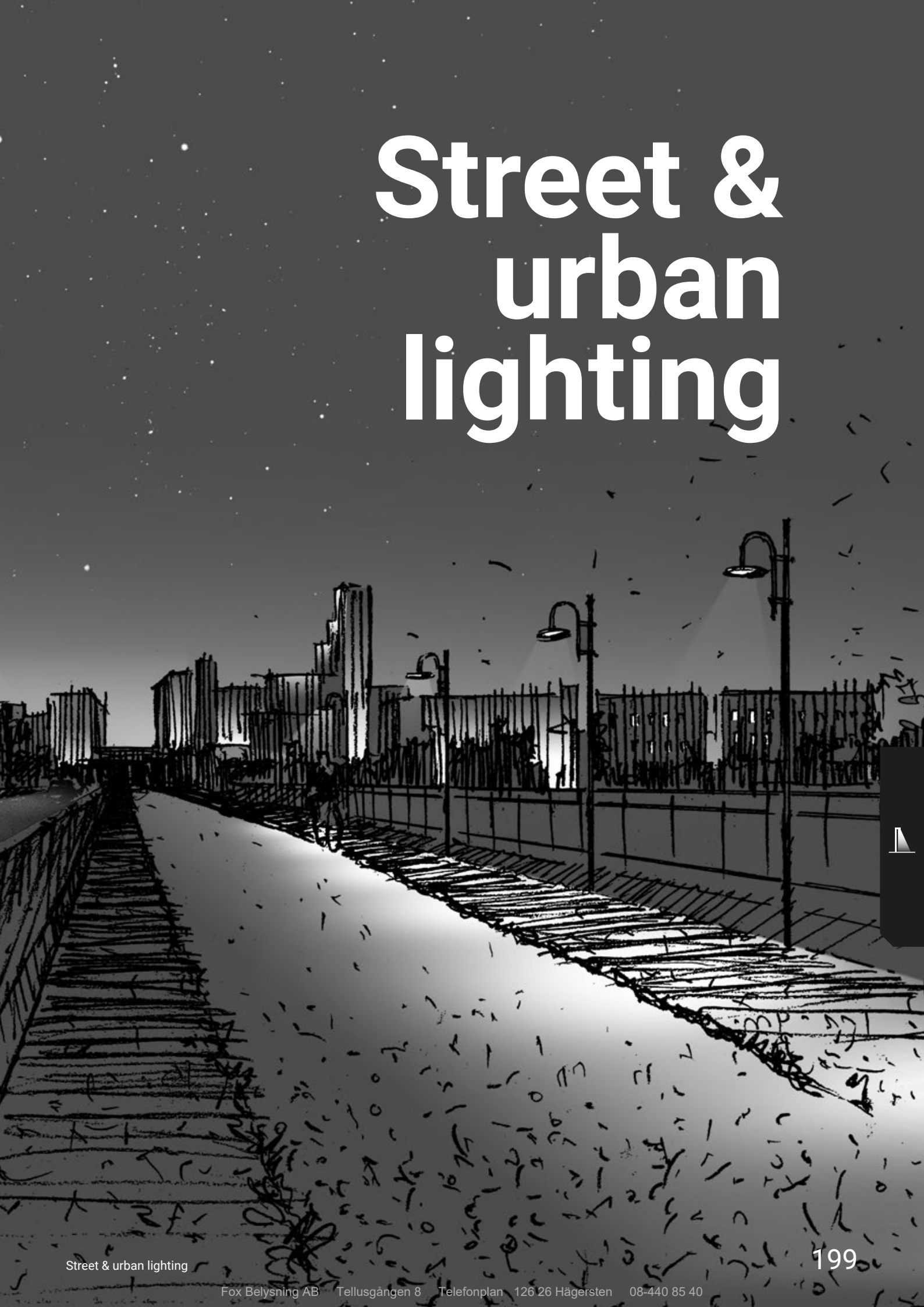
optilight UGR DALI

UGR≤19



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Street & urban lighting



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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Mini Parker

new

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Mini Parker Wall

new

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Ledweg

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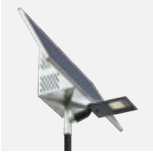
ECO Mini Parker

HYBRID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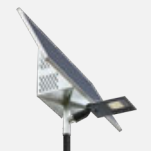
SOLAR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Poles & Fixing accessories

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Driled

Driled

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Street & urban lighting solutions

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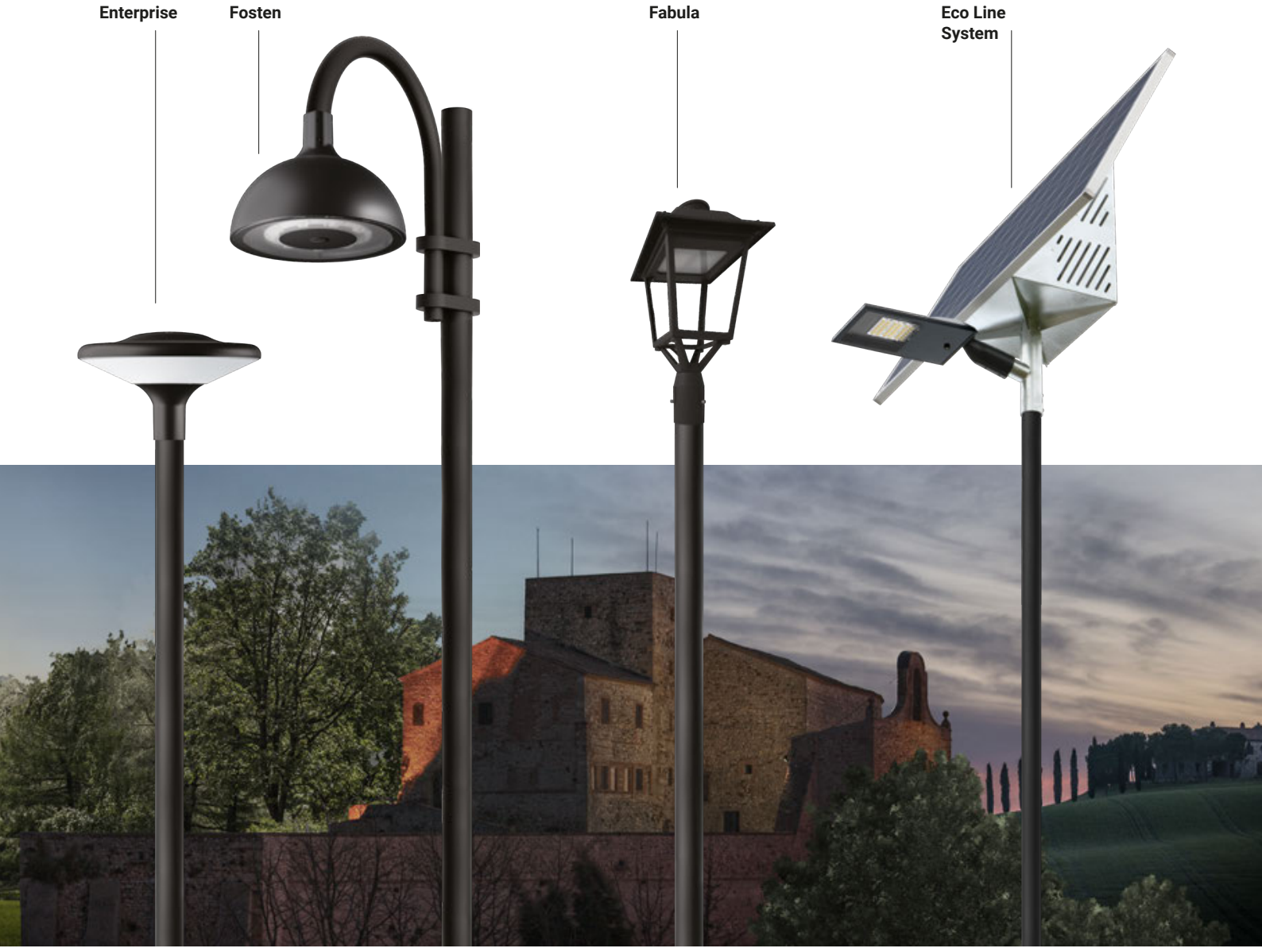
Street lighting

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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 RAL 7035 | Anthracite RAL 7016 | Black RAL 9005 (Fabula)

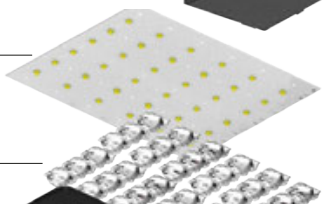
Fixtures made entirely in ENAB-46100 aluminium alloy textured RAL7035 / RAL7016 / RAL9005 powder coated and UV ray stabilised. On request an electrochemical open-pore anodising pretreatment is carried out on the base alloy which guarantees outstanding corrosion resistance.

OVP **ESD**

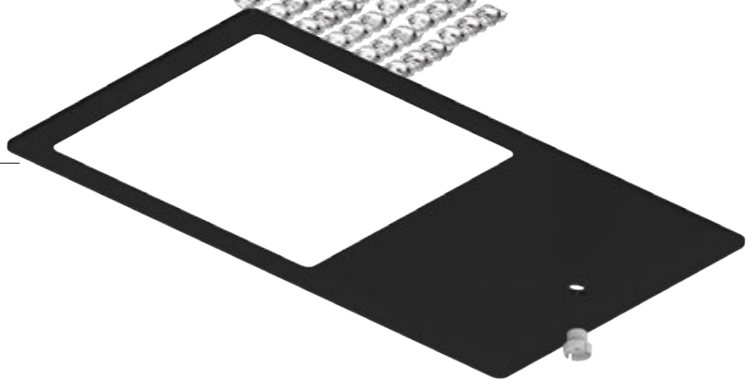
ESD ELECTROSTATIC DISCHARGE PROTECTIONS:
driver with standard integrated protection against electrostatic discharges (up to ±30kV); the CEI EN61547 standard indicates the minimum protection values against electrostatic discharges: ±4kV for contact discharge and ±8kV for discharge into the air.

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	3000K	4000K	5000K
ANCIENT WHITE **(A)**	WARM WHITE **(W)**	NATURAL WHITE **(N)**	COLD WHITE **(C)**

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

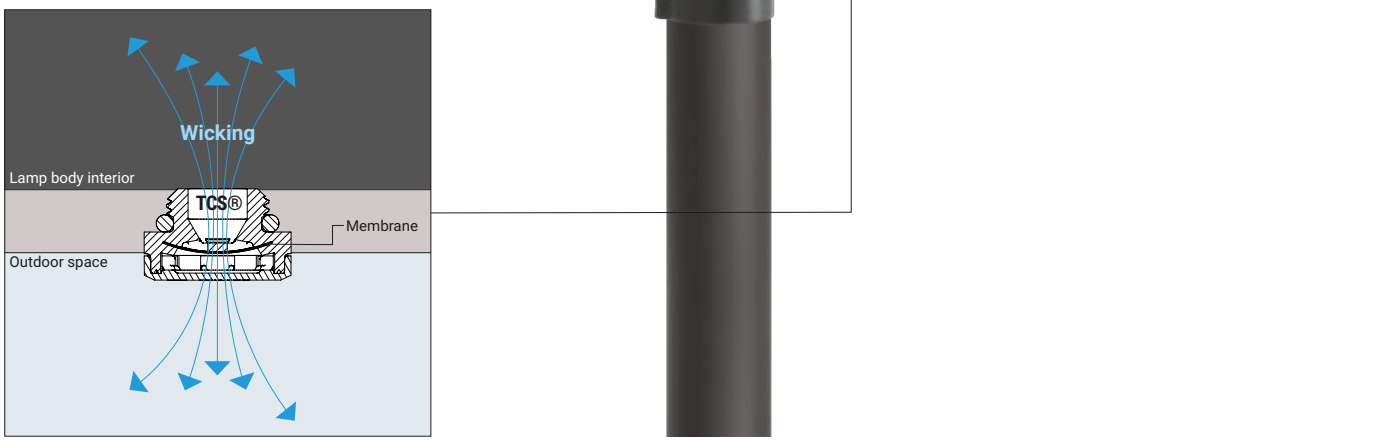
TCS® Valve

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

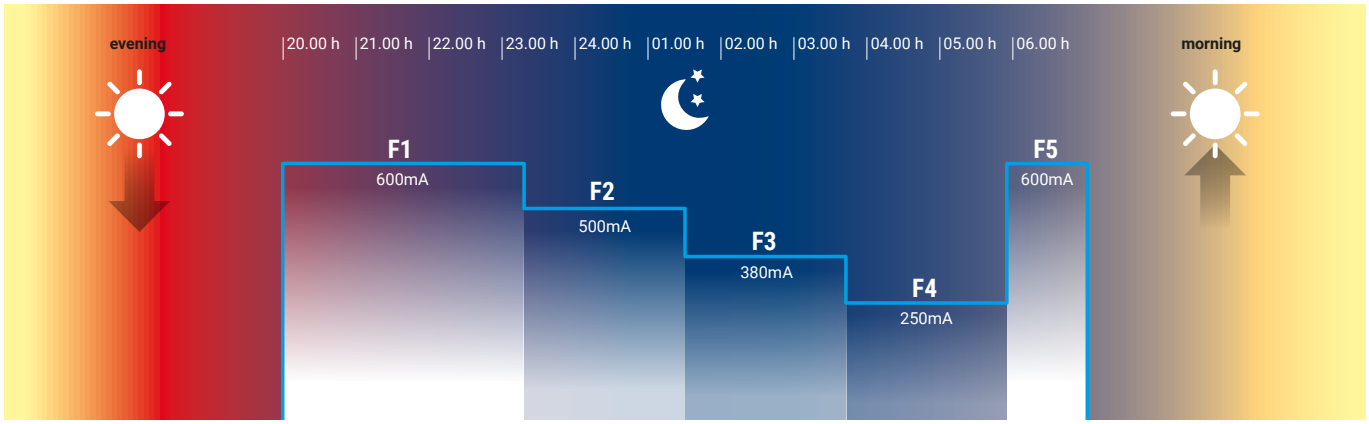
Shapes and sizes of the lamp post heads are different depending on the model or the version. Nevertheless, they have smooth surfaces and attractive shapes in common, characteristics that allow the accumulation of dirt or debris to be avoided, reducing any maintenance operations.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 35 40

Autocontrol system

Autonomous lamp post head

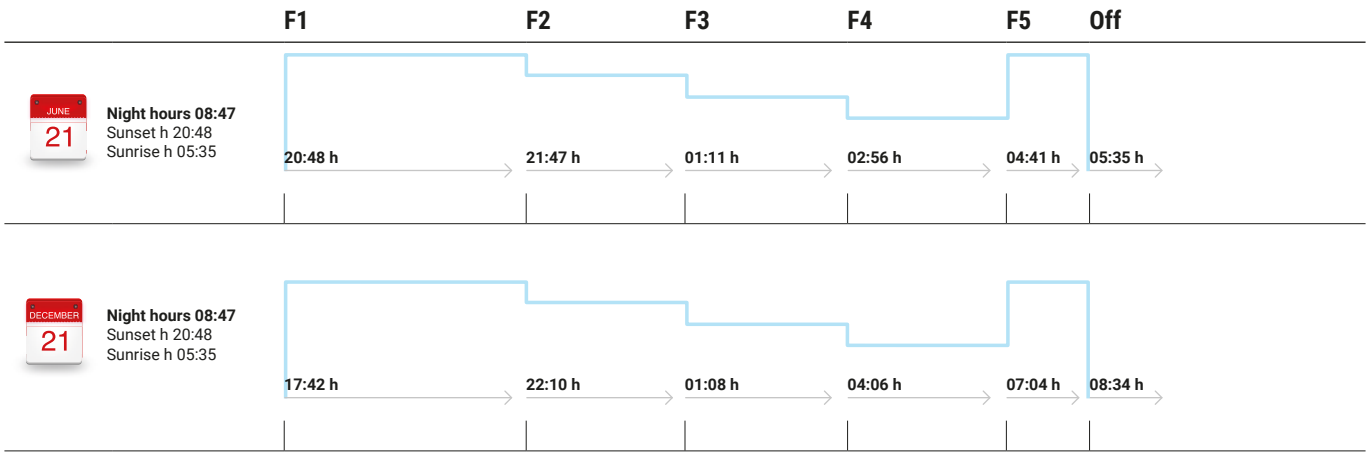
The Autocontrol system makes it so that autonomous street lights are able to automatically adjust the luminous flow based on the selected programming depending on the technical lighting needs. The system works in combination with a timer or a twilight switch upstream of the system which determines the 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.



Duration time slot	30% of Night	20% of Night	20% of Night	20% of Night	10% of Night	Off
Power exercised based on the current used	100% = 600mA	80% = 500mA	60% = 380mA	40% = 250mA	100% = 600mA	Off
Variation of the brightness based on the current	100%	84%	65%	46%	100%	Off

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

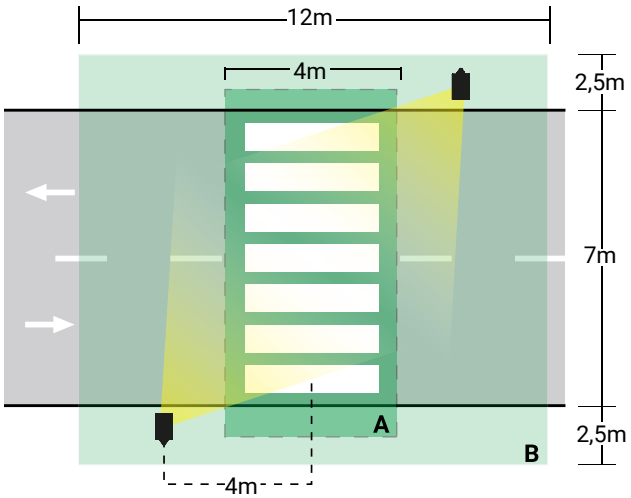
Lighting for pedestrian crossings

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 approaches 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.

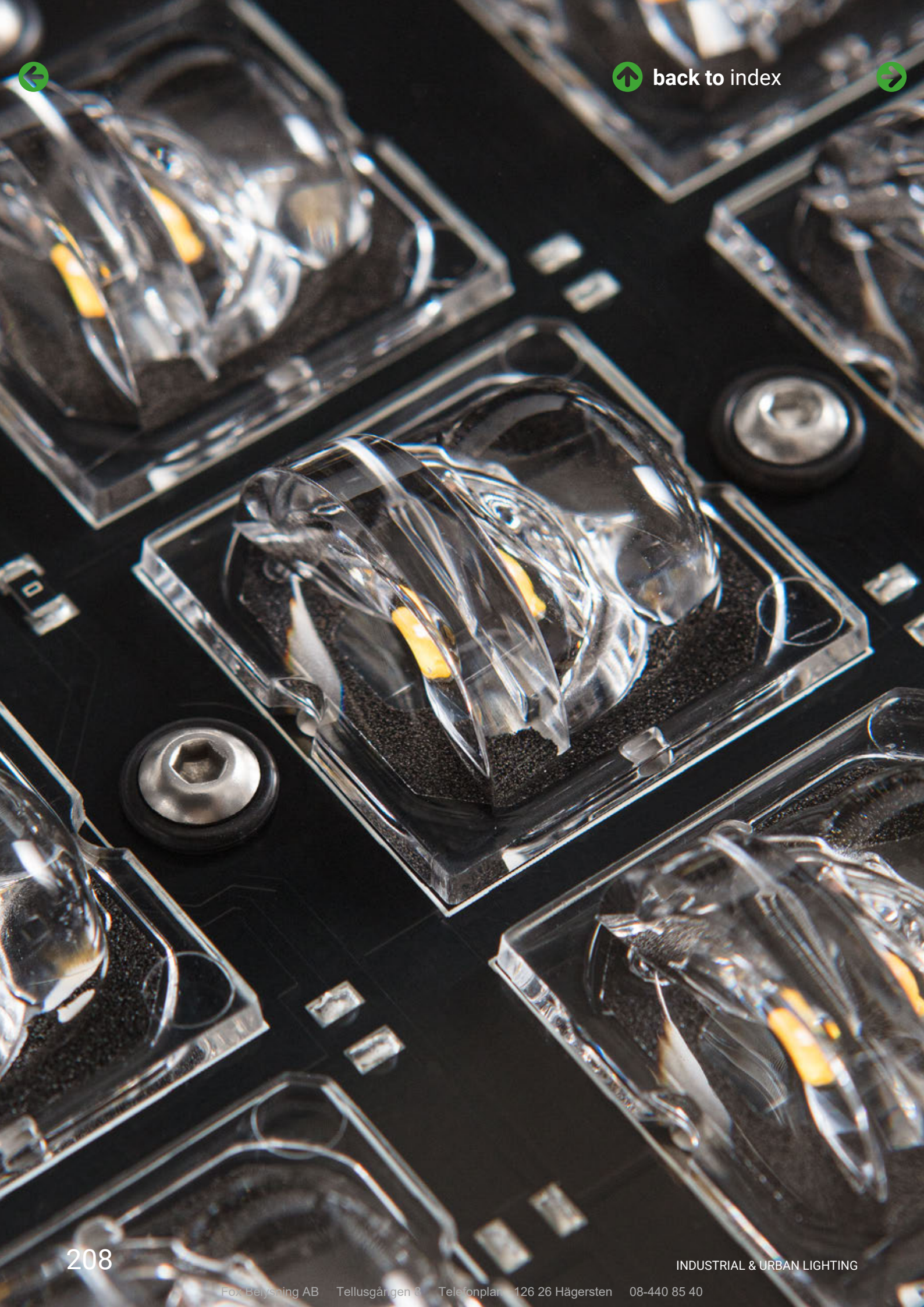
Safety, efficiency, comfort

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.



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 440 85 40

mini parker

Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

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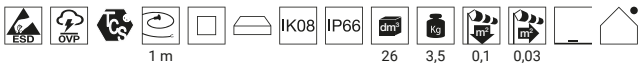
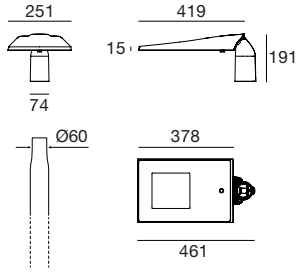
Fox Belysning AB Tellusgången 8 Telefon 08-440 85 40 126 26 Hägersten

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		**N** 4000	3767 - On req	**79** Park
Anthracite	**84460**			
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		**N** 4000	6428 - On req	**79** Park
Anthracite	**84464**			
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		**N** 4000	7534 - On req	**79** Park
Anthracite	**84468**			
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		**N** 4000	9643 - On req	**79** Park
Anthracite	**84472**			
Light grey	**84473**			

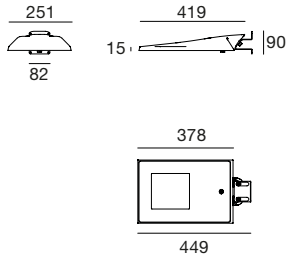
36 LED - 63 W DC - 66 W AC		Cct	lm S - D	Optic
Anthracite	**84474**	**A** 2200	6326 - On req	**72** Street
Light grey	**84475**	**W** 3000	8964 - On req	**73** Urban
Autocontrol System		**N** 4000	11300 - On req	**79** Park
Anthracite	**84476**			
Light grey	**84477**			

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		**N** 4000	12491 - On req	**79** Park
Anthracite	**84480**			
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		**N** 4000	14400 - On req	**79** Park
Anthracite	**84569**			
Light grey	**84570**			

Posts and accessories Pag. 254

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		**N** 4000	3767 - On req	**79** Park
Anthracite	**84484**			
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		**N** 4000	6428 - On req	**79** Park
Anthracite	**84488**			
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		**N** 4000	7534 - On req	**79** Park
Anthracite	**84492**			
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		**N** 4000	9643 - On req	**79** Park
Anthracite	**84496**			
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		**N** 4000	11300 - On req	**79** Park
Anthracite	**84500**			
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		**N** 4000	12491 - On req	**79** Park
Anthracite	**84504**			
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		**N** 4000	14400 - On req	**79** Park
Anthracite	**84573**			
Light grey	**84574**			

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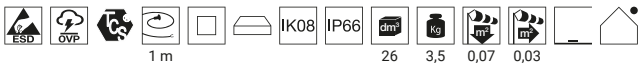
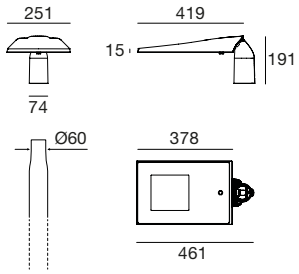
Mini Parker PC | Street & Urban | powerLED | 198-264 V AC





8 LED - 53 W DC - 58 W AC		Cct	Im 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	

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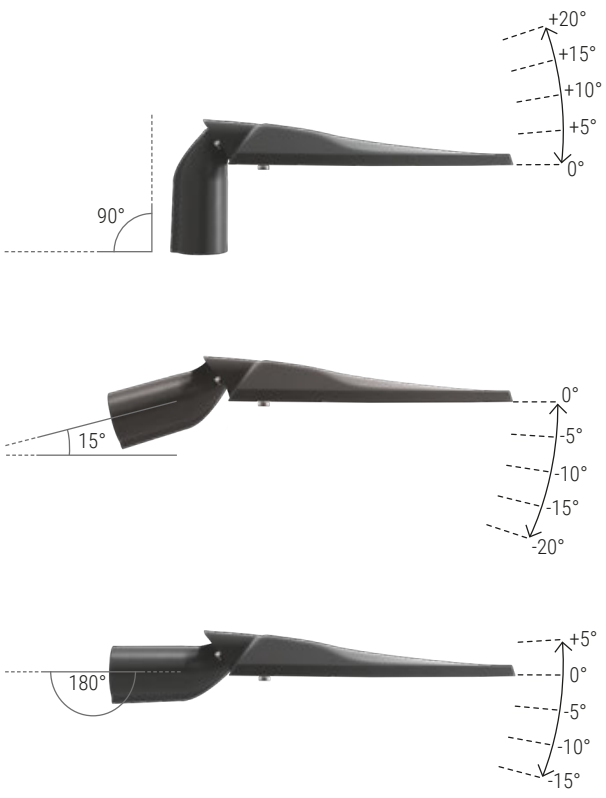
Head adjustment

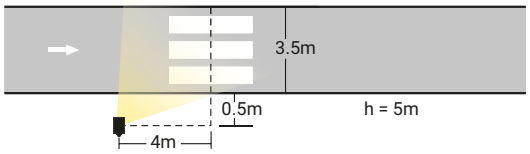


Optic 78 Pedestrian Crossing

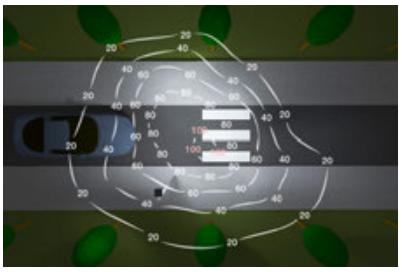
Pedestrian crossings can be illuminated using a post for each driving direction. Unlike central lighting, the use of posts lateral to the pedestrian crossing allows people to be illuminated vertically and allows better visibility of them. The following examples illustrate the average horizontal lighting, 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.



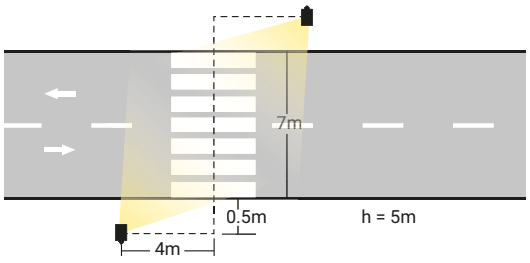
Single post - **Mini Parker P.C.**



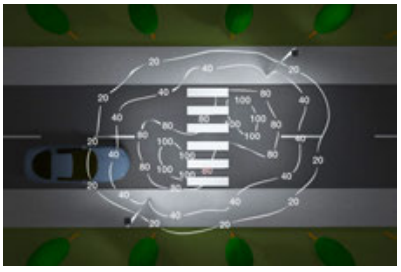
Number of fixtures	1
Number of LEDs	8
Fixture power	58W
Vertical plane min. LUX	30 lux

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

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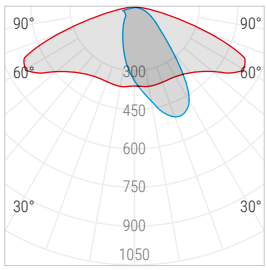
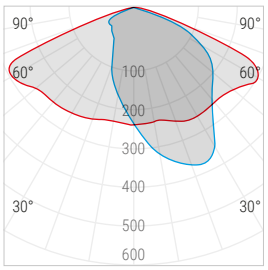
Photometric curves of Mini Parker 44W (84466)

Mini Parker PC 58W (92370)



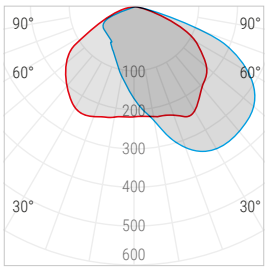
C0/C180 C90/C270

Optic 72 Street



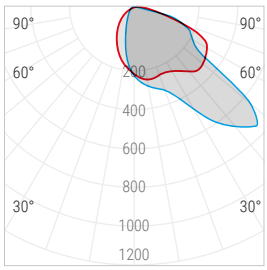
C0/C180 C90/C270

Optic 73 Urban



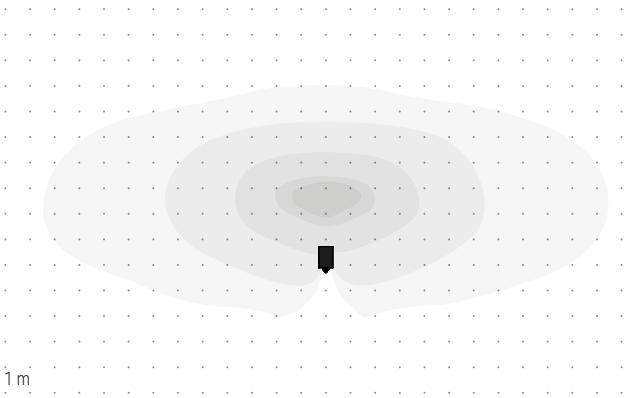
C0/C180 C90/C270

Optic 79 Park

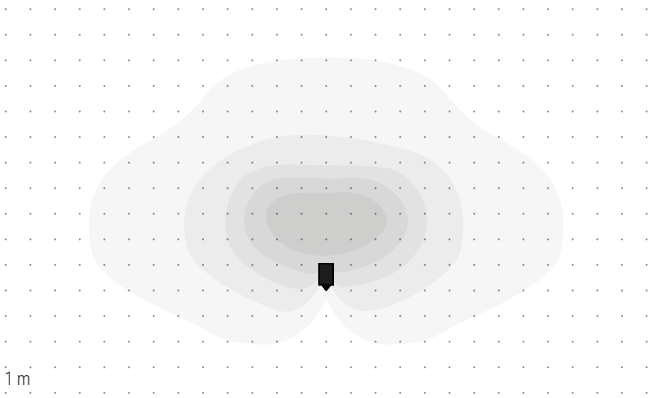


C0/C180 C90/C270

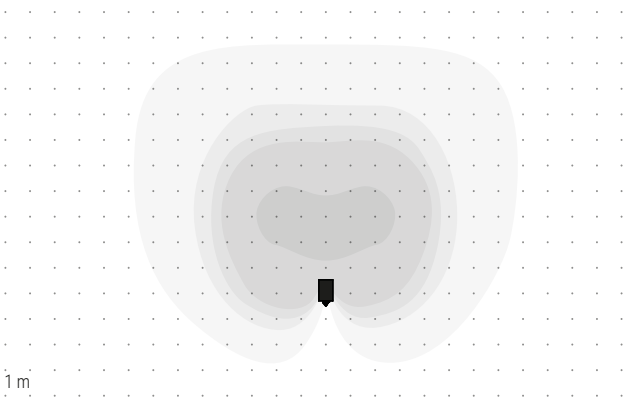
Optic 78 Pedestrian Crossing



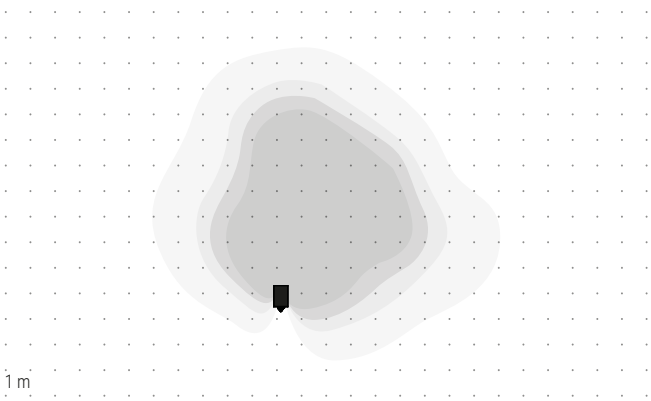
Optic 72 Street (installation h 6m)



Optic 73 Urban (installation h 6m)

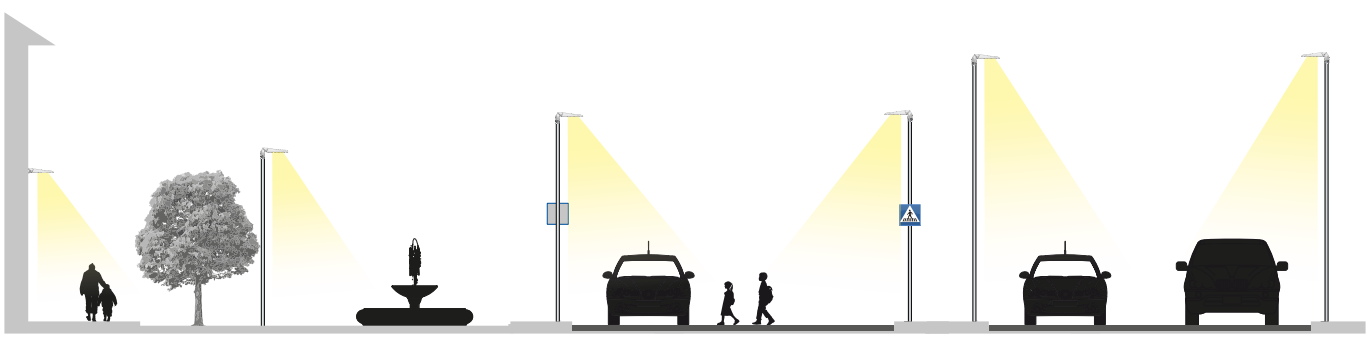


Optic 79 Park (installation h 6m)



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.



PLUS

ACCS

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Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

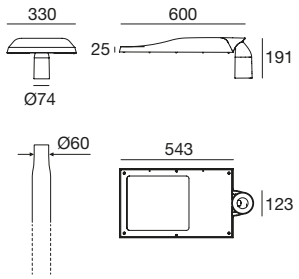
parker

Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

Fox Belysning AB Tellusgängen 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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**			

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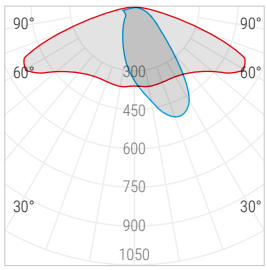
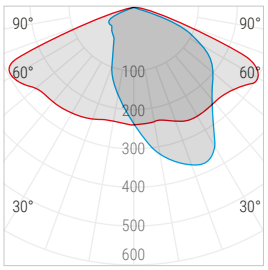
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Photometric curves of Parker 120W (84510)



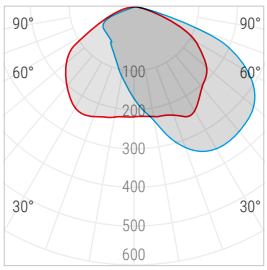
C0/C180 C90/C270

Optic 72 Street



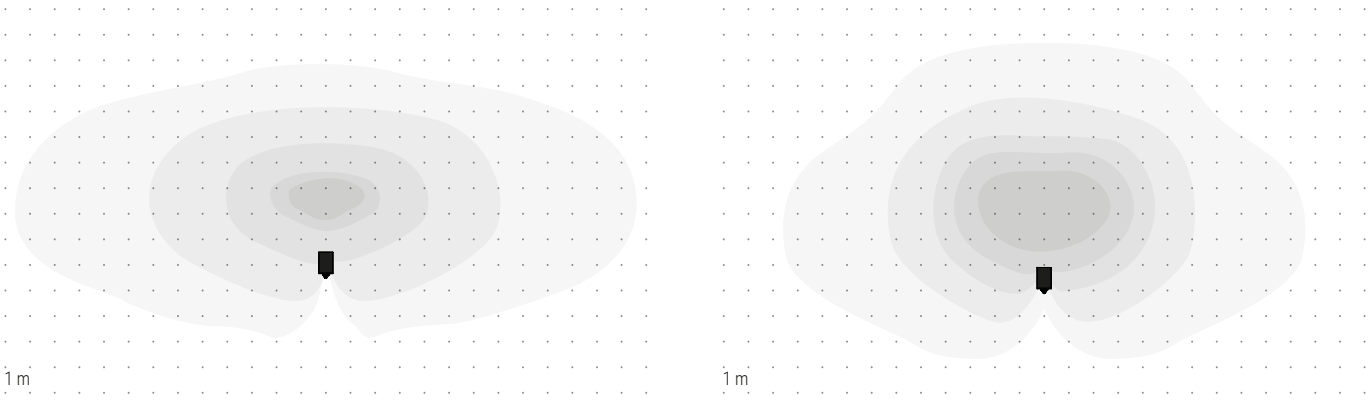
C0/C180 C90/C270

Optic 73 Urban



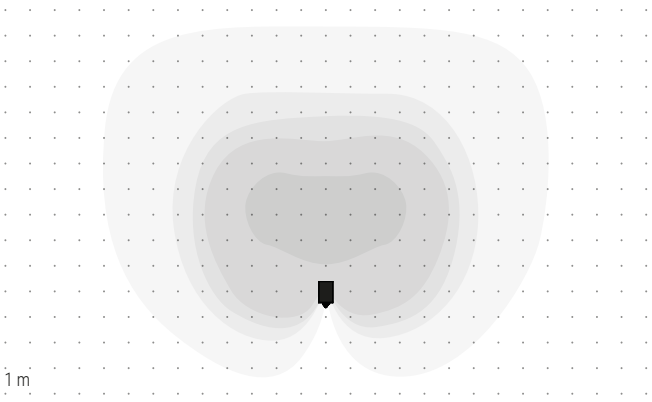
C0/C180 C90/C270

Optic 79 Park



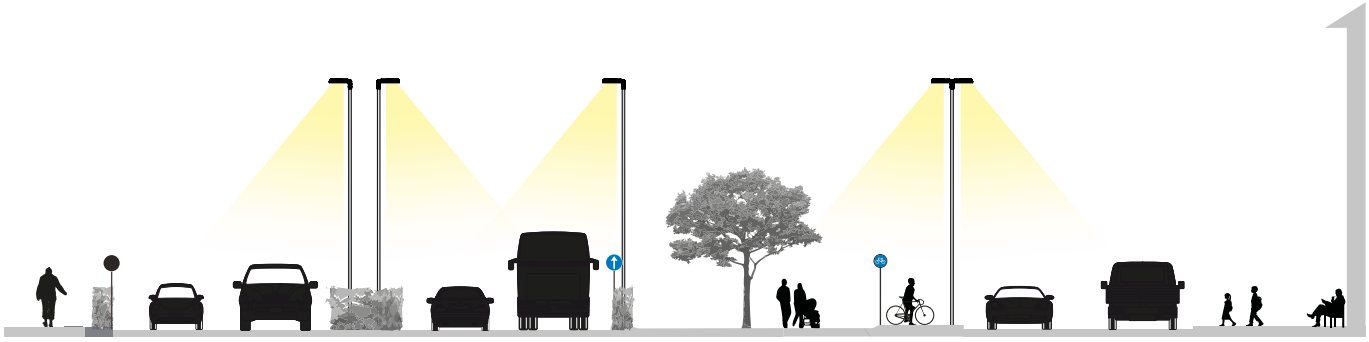
Optic 72 Street (installation h 8m)

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.



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB · Tellusgatan 9 · Telefonplan · 126 26 Hägersten · 08-440 85 40

ledweg

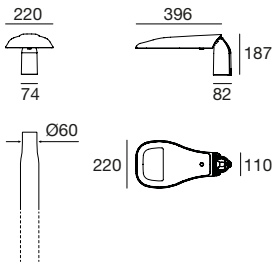
Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

Fox Belysning AB Tellusgången 68 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 6 Telefonplan 126 26 Hägersten 08-440 85 40

Ledweg | Street & Urban | powerLED | 198-264 V AC

1 m | 26 | 3,5 | 0,06 | 0,03



2 LED - 16,5 W DC - 19 W AC		Cct	lm S - D	Optic
Anthracite	**92151**	**A** 2200	1559 - 1012	**71** Bike
Light grey	**92152**	**W** 3000	2185 - 1423	**72** Street
		N 4000	2343 - 1526	**73** Urban
		C 5000	2343 - 1526	**79** Park

3 LED - 23 W DC - 26 W AC		Cct	lm S - D	Optic
Anthracite	**92153**	**A** 2200	2339 - 1391	**71** Bike
Light grey	**92156**	**W** 3000	3278 - 1955	**72** Street
		N 4000	3515 - 2095	**73** Urban
		C 5000	3515 - 2095	**79** Park

4 LED - 31 W DC - 35 W AC		Cct	lm S - D	Optic
Anthracite	**92157**	**A** 2200	3118 - 1927	**71** Bike
Light grey	**92162**	**W** 3000	4371 - 2711	**72** Street
		N 4000	4686 - 2906	**73** Urban
		C 5000	4686 - 2906	**79** Park

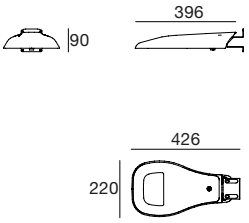
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic
Anthracite	**92163**	**A** 2200	3534 - 2182	**71** Bike
Light grey	**92166**	**W** 3000	4968 - 3068	**72** Street
Autocontrol System		**N** 4000	5327 - 3290	**73** Urban
Anthracite	**92518**	**C** 5000	5327 - 3290	**79** Park
Light grey	**92525**			

6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic
Anthracite	**92167**	**A** 2200	4241 - 2579	**71** Bike
Light grey	**92168**	**W** 3000	5962 - 3627	**72** Street
Autocontrol System		**N** 4000	6392 - 3887	**73** Urban
Anthracite	**92526**	**C** 5000	6392 - 3887	**79** Park
Light grey	**92527**			

Posts and accessories Pag. 254

Ledweg wall | Street & Urban | powerLED | 198-264 V AC

1 m | 26 | 3,1 | 0,06 | 0,03



2 LED - 16,5 W DC - 19 W AC		Cct	lm S - D	Optic
Anthracite	**82952**	**A** 2200	1559 - 1012	**71** Bike
Light grey	**82953**	**W** 3000	2185 - 1423	**72** Street
		N 4000	2343 - 1526	**73** Urban
		C 5000	2343 - 1526	**79** Park

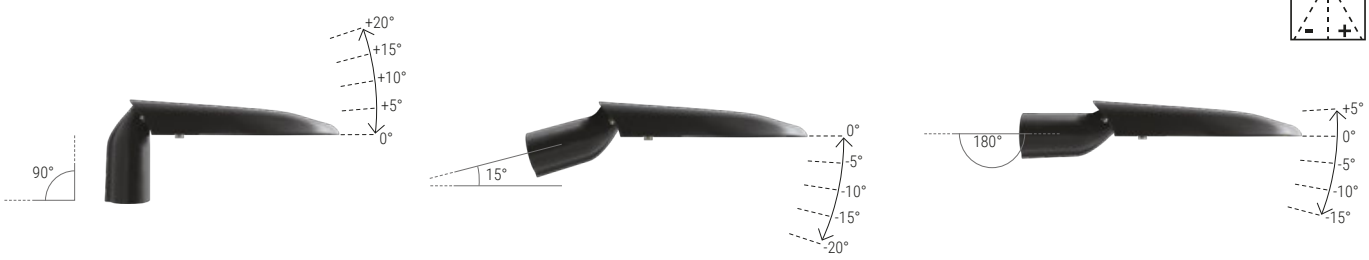
3 LED - 23 W DC - 26 W AC		Cct	lm S - D	Optic
Anthracite	**82954**	**A** 2200	2339 - 1391	**71** Bike
Light grey	**82955**	**W** 3000	3278 - 1955	**72** Street
		N 4000	3515 - 2095	**73** Urban
		C 5000	3515 - 2095	**79** Park

4 LED - 31 W DC - 35 W AC		Cct	lm S - D	Optic
Anthracite	**82956**	**A** 2200	3118 - 1927	**71** Bike
Light grey	**82957**	**W** 3000	4371 - 2711	**72** Street
		N 4000	4686 - 2906	**73** Urban
		C 5000	4686 - 2906	**79** Park

5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic
Anthracite	**82958**	**A** 2200	3534 - 2182	**71** Bike
Light grey	**82959**	**W** 3000	4968 - 3068	**72** Street
Autocontrol System		**N** 4000	5327 - 3290	**73** Urban
Anthracite	**82960**	**C** 5000	5327 - 3290	**79** Park
Light grey	**82961**			

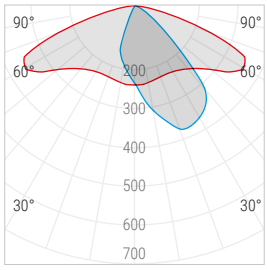
6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic
Anthracite	**82962**	**A** 2200	4241 - 2579	**71** Bike
Light grey	**82963**	**W** 3000	5962 - 3627	**72** Street
Autocontrol System		**N** 4000	6392 - 3887	**73** Urban
Anthracite	**82964**	**C** 5000	6392 - 3887	**79** Park
Light grey	**82965**			

Head adjustment



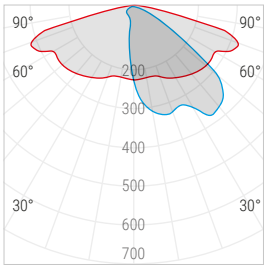
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Photometric curves of Ledweg 40W (92163)



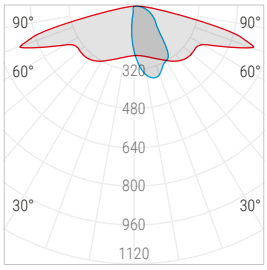
C0/C180 C90/C270

Optic 71 Bike



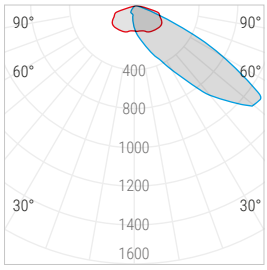
C0/C180 C90/C270

Optic 72 Street



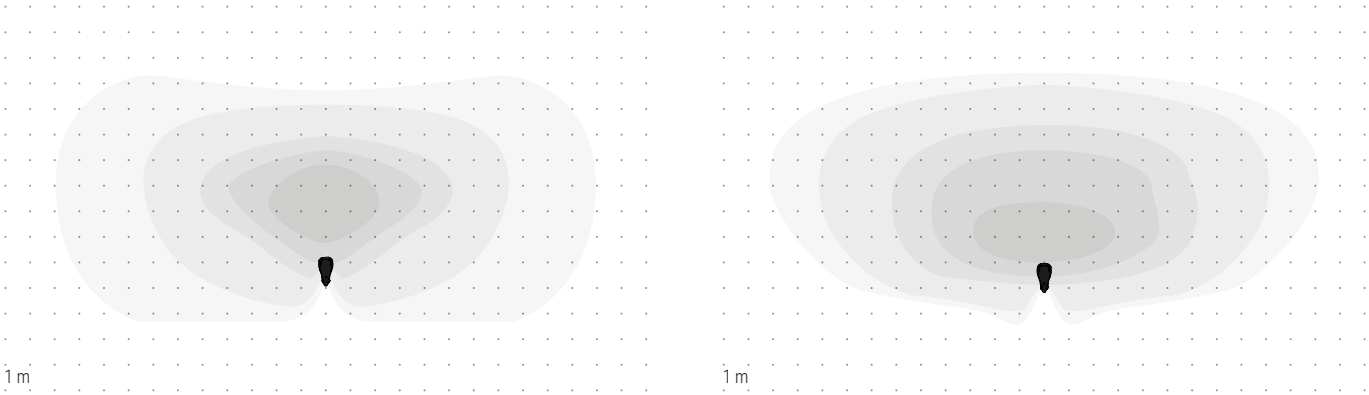
C0/C180 C90/C270

Optic 73 Urban



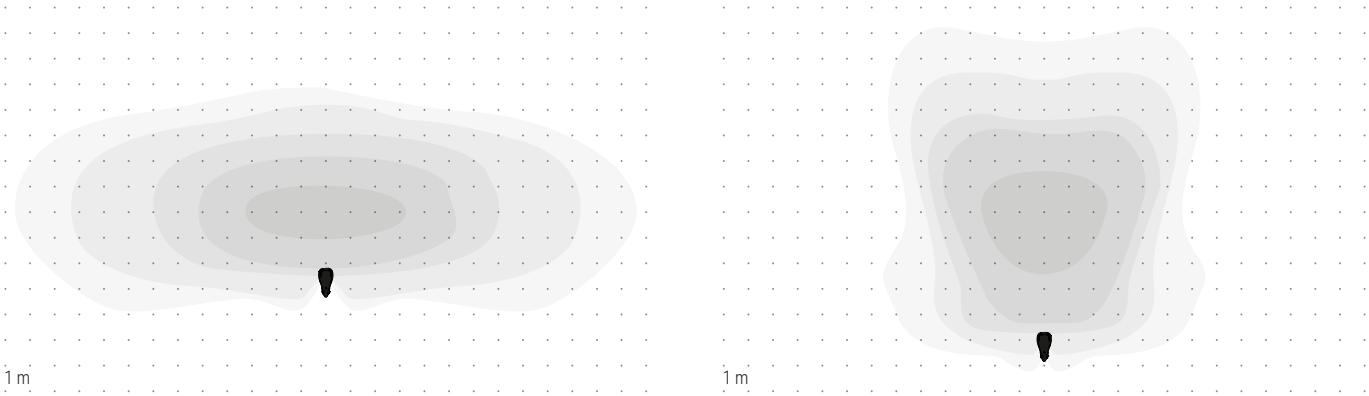
C0/C180 C90/C270

Optic 79 Park



Optic 71 Bike (installation h 6m)

Optic 72 Street (installation h 6m)



Optic 73 Urban (installation h 6m)

Optic 79 Park (installation h 6m)

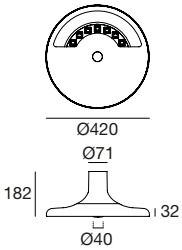
Post head suited and designed for street lighting, from secluded secondary roads to highly-trafficked urban superhighways.
Typical installation between 6m and 8m in height.

drop

Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass or sand-blasted glass diffuser.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

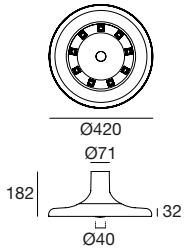
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic	
Anthracite	**93160**	**A** 2200	3534 - On req	**71**	Bike
Light grey	**93161**	**W** 3000	4968 - On req	**72**	Street
Autocontrol System		**N** 4000	5327 - On req	**73**	Urban
Anthracite	**93291**	**C** 5000	5327 - On req	**79**	Park
Light grey	**93292**				

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

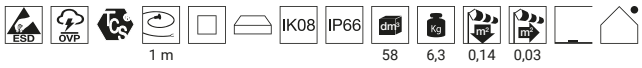
Drop | Street & Urban | powerLED | 198-264 V AC

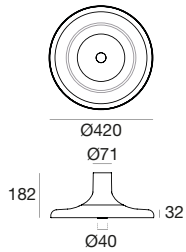


9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic	
Anthracite	**92991**	**A** 2200	6361 - On req	**00**	Diffused
Light grey	**92992**	**W** 3000	8942 - On req		
Autocontrol System		**N** 4000	9588 - On req		
Anthracite	**93283**	**C** 5000	9588 - On req		
Light grey	**93284**				

Posts and accessories Pag. 254

Drop | Street & Urban | topLED | 198-264 V AC



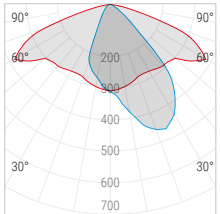


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic	
Anthracite	**80911**	**A** 2200	7182 - On req	**00**	Diffused
Light grey	**80912**	**W** 3000	8672 - On req		
Autocontrol System		**N** 4000	8996 - On req		
Anthracite	**80915**	**C** 5000	8996 - On req		
Light grey	**80916**				

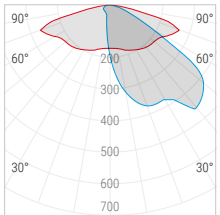
216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic	
Anthracite	**80945**	**A** 2200	8510 - On req	**00**	Diffused
Light grey	**80946**	**W** 3000	10303 - On req		
Autocontrol System		**N** 4000	10670 - On req		
Anthracite	**80947**	**C** 5000	10670 - On req		
Light grey	**80948**				

Posts and accessories Pag. 254

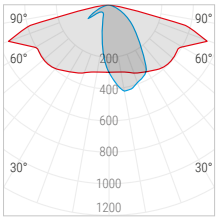
Photometric curves of Drop 40W (93160)



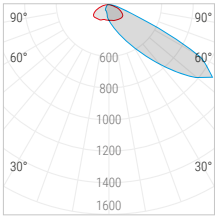
C0/C180 C90/C270
Optic 71 Bike



C0/C180 C90/C270
Optic 72 Street

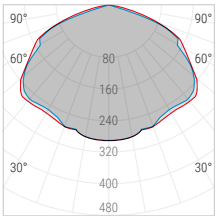


C0/C180 C90/C270
Optic 73 Urban



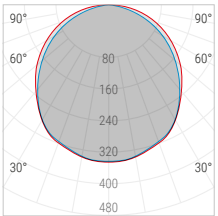
C0/C180 C90/C270
Optic 79 Park

Drop 71W (92991)



C0/C180 C90/C270
Optic 00 Diffused

Drop 55W (80911)



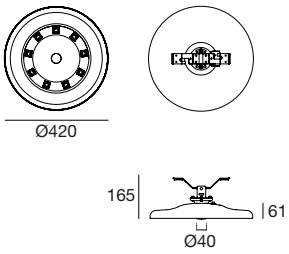
C0/C180 C90/C270
Optic 00 Diffused

PLUS

ACCS

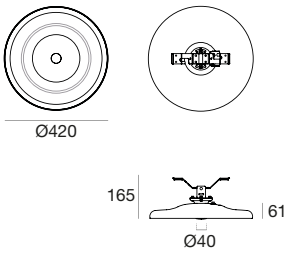
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Drop Air | Street & Urban | powerLED | 198-264 V AC



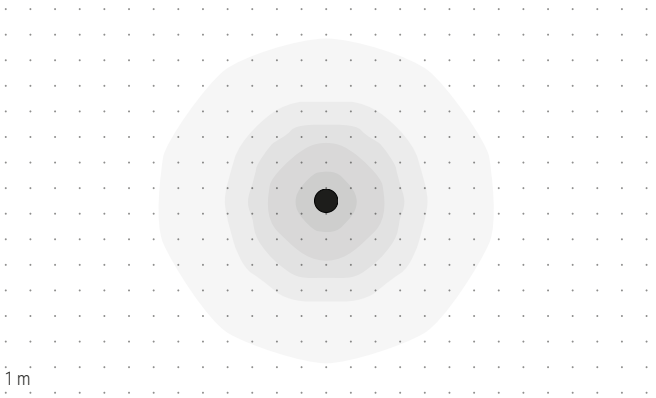
9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic
Anthracite	**92987**	**A** 2200	6361 - On req	**00** Diffused
Light grey	**92988**	**W** 3000	8942 - On req	
Autocontrol System		**N** 4000	9588 - On req	
Anthracite	**93350**	**C** 5000	9588 - On req	
Light grey	**93351**			

Drop Air | Street & Urban | topLED | 198-264 V AC

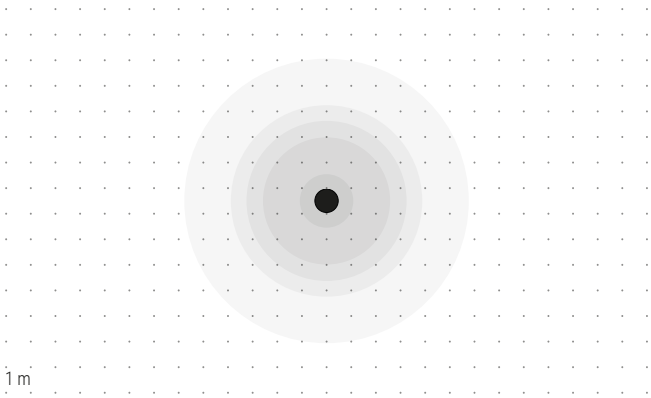


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic
Anthracite	**80917**	**A** 2200	7182 - On req	**00** Diffused
Light grey	**80918**	**W** 3000	8672 - On req	
Autocontrol System		**N** 4000	8996 - On req	
Anthracite	**80919**	**C** 5000	8996 - On req	
Light grey	**80920**			

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**			

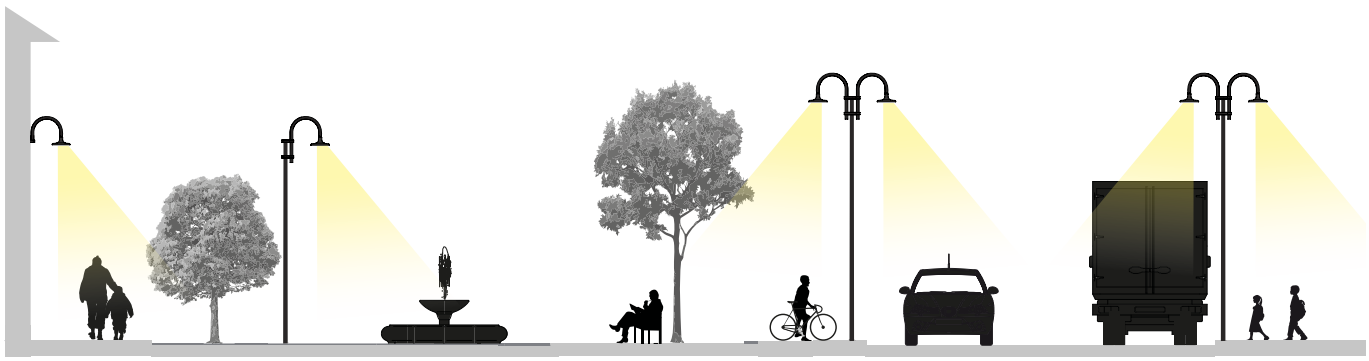


Optic 00 Diffused | powerLED (installation h 6m)



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.



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

fosten

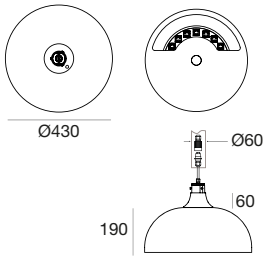
Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass or sand-blasted glass diffuser.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fosten | Street & Urban | powerLED | 198-264 V AC

1 m | IK08 | IP66 | 58 | 7,3 | 0,28 | 0,08



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**				

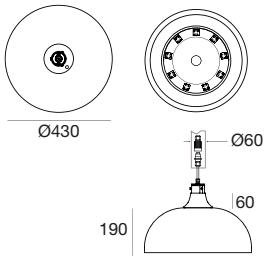
6 LED - 42 W DC - 46 W AC		Cct	lm S - D	Optic	
Anthracite	**83501**	**A** 2200	4241 - On req	**71**	Bike
Light grey	**83502**	**W** 3000	5962 - On req	**72**	Street
Autocontrol System		**N** 4000	6392 - On req	**73**	Urban
Anthracite	**83503**	**C** 5000	6392 - On req	**79**	Park
Light grey	**83504**				

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

1 m | IK08 | IP66 | 58 | 7,3 | 0,28 | 0,08

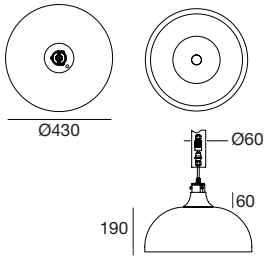


9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic	
Anthracite	**83509**	**A** 2200	6361 - On req	**00**	Diffused
Light grey	**83510**	**W** 3000	8942 - On req		
Autocontrol System		**N** 4000	9588 - On req		
Anthracite	**83511**	**C** 5000	9588 - On req		
Light grey	**83512**				

Posts and accessories Pag. 254

Fosten | Street & Urban | topLED | 198-264 V AC

1 m | IK08 | IP66 | 58 | 7,3 | 0,28 | 0,08

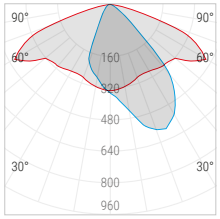


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic	
Anthracite	**83513**	**A** 2200	7182 - On req	**00**	Diffused
Light grey	**83514**	**W** 3000	8672 - On req		
Autocontrol System		**N** 4000	8996 - On req		
Anthracite	**83515**	**C** 5000	8996 - On req		
Light grey	**83516**				

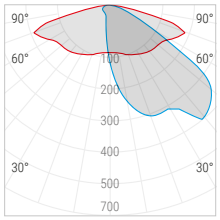
216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic	
Anthracite	**83517**	**A** 2200	8510 - On req	**00**	Diffused
Light grey	**83518**	**W** 3000	10303 - On req		
Autocontrol System		**N** 4000	10670 - On req		
Anthracite	**83519**	**C** 5000	10670 - On req		
Light grey	**83520**				

Posts and accessories Pag. 254

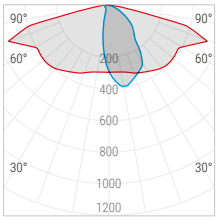
Photometric curves of Fosten 40W (82996)



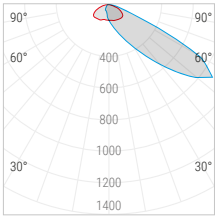
C0/C180 C90/C270
Optic 71 Bike



C0/C180 C90/C270
Optic 72 Street

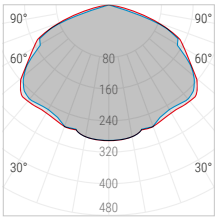


C0/C180 C90/C270
Optic 73 Urban



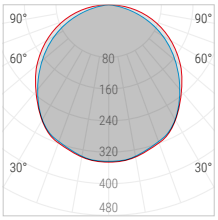
C0/C180 C90/C270
Optic 79 Park

Fosten 71W (83509)



C0/C180 C90/C270
Optic 00 Diffused

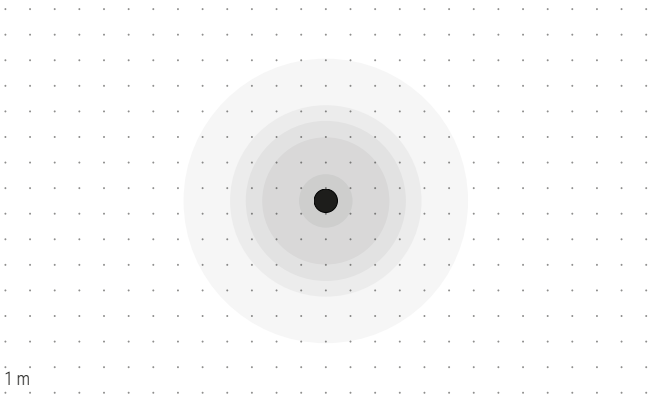
Fosten 55W (83513)



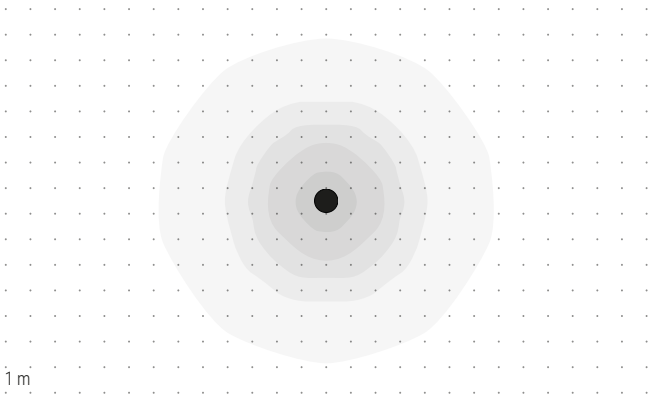
C0/C180 C90/C270
Optic 00 Diffused

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Private project

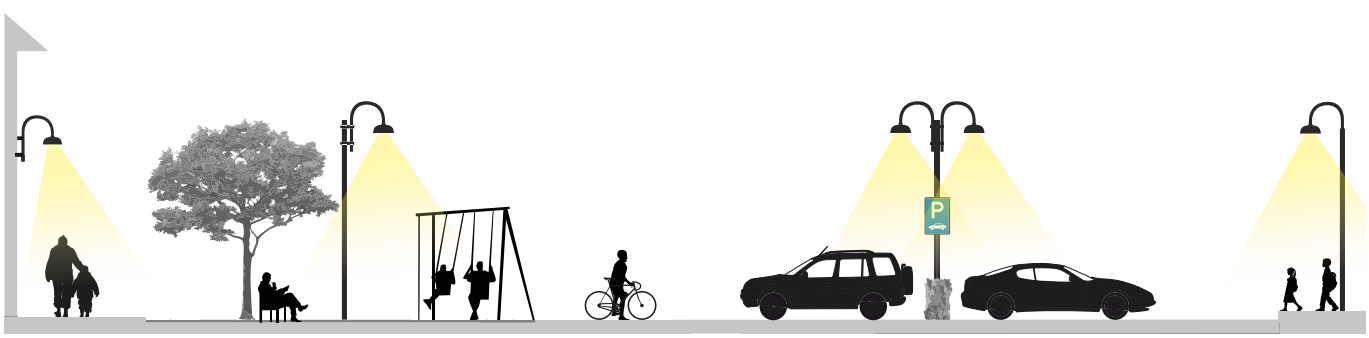


Optic 00 Diffused | topLED (installation h 6m)



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.



PLUS

ACCS

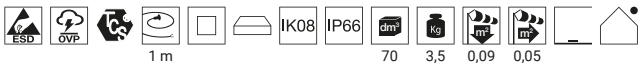
fabula

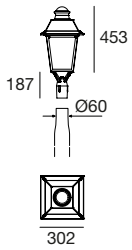
Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear glass diffuser.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Fabula | Street & Urban | powerLED | 190-250 V AC

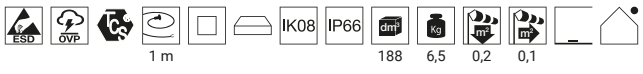


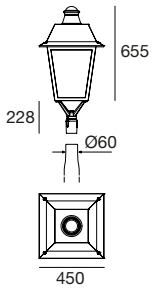


18 LED - 22 W DC - 25 W AC		Cct	lm S - D	Optic	
Black	**82401**	**A** 2200	2484 - 829	**00**	Diffused
		W 3000	3491 - 1165	**07**	Asymm.
		N 4000	3726 - 1242		

Posts and accessories Pag. 254

Fabula | Street & Urban | powerLED | 190-250 V AC



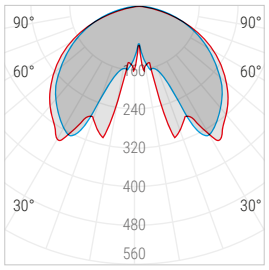


36 LED - 40 W DC - 43 W AC		Cct	lm S - D	Optic	
Black	**82403**	**A** 2200	4338 - 1477	**00**	Diffused
		W 3000	6144 - 2075	**07**	Asymm.
		N 4000	6540 - 2216		

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		

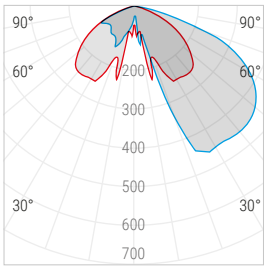
Posts and accessories Pag. 254

Photometric curves of Fabula 25W (82401)



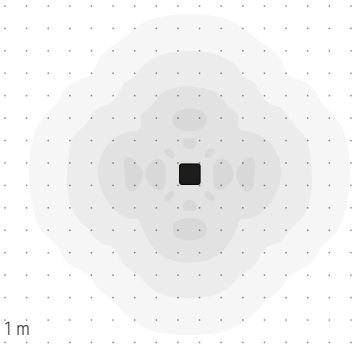
C0/C180 C90/C270

Optic 00 Diffused

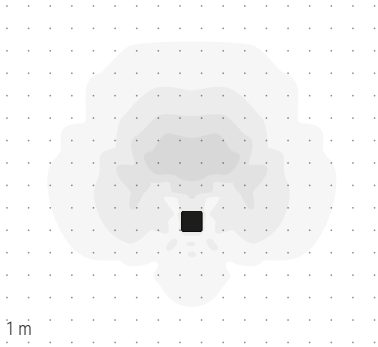


C0/C180 C90/C270

Optic 07 Asymmetric



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

PLUS

ACCS

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Private project

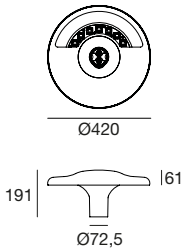
voyager

Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass or sand-blasted glass diffuser.

Fox Belysning AB Tel

Fox Belysning AB Trollusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

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

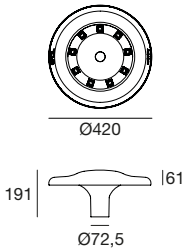
5 LED - 35 W DC - 40 W AC		Cct	lm S - D	Optic	
Anthracite	**93184**	**A** 2200	3534 - On req	**71**	Bike
Light grey	**93185**	**W** 3000	4968 - On req	**72**	Street
Autocontrol System		**N** 4000	5327 - On req	**73**	Urban
Anthracite	**93332**	**C** 5000	5327 - On req	**79**	Park
Light grey	**93336**				

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

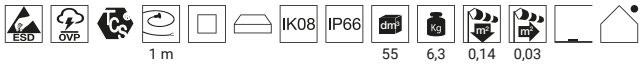
Voyager | Street & Urban | powerLED | 198-264 V AC

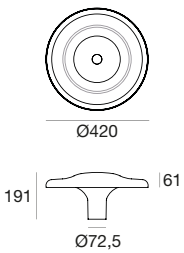


9 LED - 64 W DC - 71 W AC		Cct	lm S - D	Optic	
Anthracite	**93170**	**A** 2200	6361 - On req	**00**	Diffused
Light grey	**93171**	**W** 3000	8942 - On req		
Autocontrol System		**N** 4000	9588 - On req		
Anthracite	**93293**	**C** 5000	9588 - On req		
Light grey	**93294**				

Posts and accessories Pag. 254

Voyager | Street & Urban | topLED | 198-264 V AC



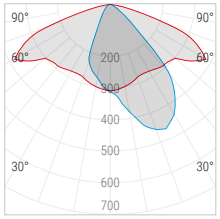


216 LED - 50 W DC - 55 W AC		Cct	lm S - D	Optic	
Anthracite	**80909**	**A** 2200	7182 - On req	**00**	Diffused
Light grey	**80910**	**W** 3000	8672 - On req		
Autocontrol System		**N** 4000	8996 - On req		
Anthracite	**80913**	**C** 5000	8996 - On req		
Light grey	**80914**				

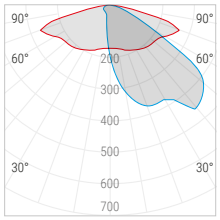
216 LED - 63 W DC - 70 W AC		Cct	lm S - D	Optic	
Anthracite	**80953**	**A** 2200	8510 - On req	**00**	Diffused
Light grey	**80954**	**W** 3000	10303 - On req		
Autocontrol System		**N** 4000	10670 - On req		
Anthracite	**80955**	**C** 5000	10670 - On req		
Light grey	**80956**				

Posts and accessories Pag. 254

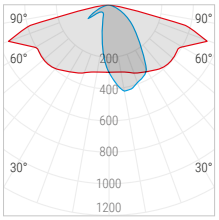
Photometric curves of Voyager 40W (93184)



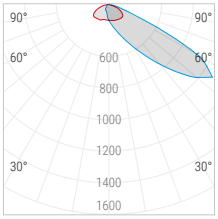
C0/C180 C90/C270
Optic 71 Bike



C0/C180 C90/C270
Optic 72 Street

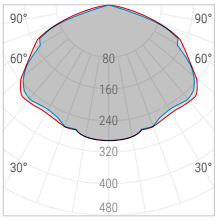


C0/C180 C90/C270
Optic 73 Urban



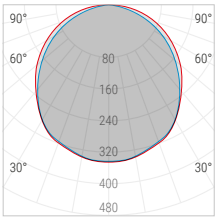
C0/C180 C90/C270
Optic 79 Park

Voyager 71W (93170)



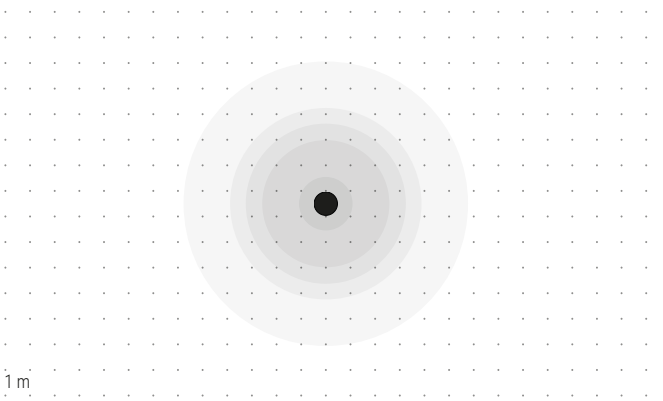
C0/C180 C90/C270
Optic 00 Diffused

Voyager 55W (80909)

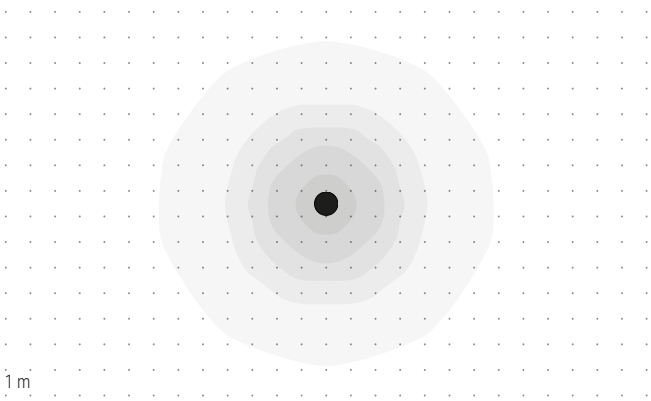


C0/C180 C90/C270
Optic 00 Diffused

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.

PLUS

ACCS

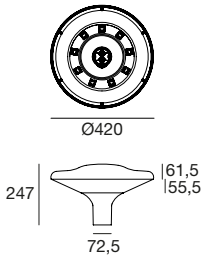
enterprise

Materials
Body in die-cast aluminium ENAB-46100.
Transparent polycarbonate or opaline diffuser.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Enterprise | Street & Urban | powerLED | 198-264 V AC

1 m | IK08 | IP66 | 70 | 5,8 | 0,14 | 0,05

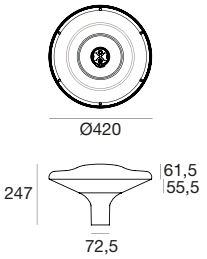


9 LED - 64 W DC - 71 W AC		Cct		lm S - D	Optic	
Anthracite	**93190**	**A**	2200	6361 - On req	**00**	Diffused
Light grey	**93197**	**W**	3000	8942 - On req		
Autocontrol System		**N**	4000	9588 - On req		
Anthracite	**93340**	**C**	5000	9588 - On req		
Light grey	**93343**					

Posts and accessories Pag. 254

Enterprise | Street & Urban | topLED | 198-264 V AC

1 m | IK08 | IP66 | 70 | 5,8 | 0,14 | 0,05

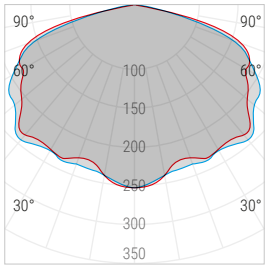


216 LED - 50 W DC - 55 W AC		Cct		lm S - D	Optic	
Anthracite	**80921**	**A**	2200	7182 - On req	**00**	Diffused
Light grey	**80922**	**W**	3000	8672 - On req		
Autocontrol System		**N**	4000	8996 - On req		
Anthracite	**80923**	**C**	5000	8996 - On req		
Light grey	**80924**					

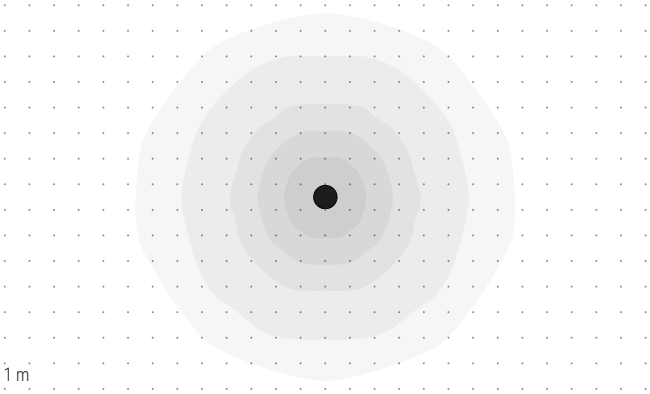
216 LED - 63 W DC - 70 W AC		Cct		lm S - D	Optic	
Anthracite	**80961**	**A**	2200	8510 - On req	**00**	Diffused
Light grey	**80962**	**W**	3000	10303 - On req		
Autocontrol System		**N**	4000	10670 - On req		
Anthracite	**80963**	**C**	5000	10670 - On req		
Light grey	**80964**					

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.

PLUS

ACCS

Fox Belysning AB Tellusgången 8 Telefonplan 120 [illegible] Tel 08-140 85 40

ECO mini parker

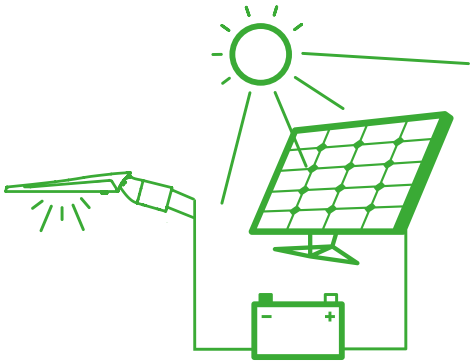
Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

Fox Belysning AB Telegången 8 Telefonplan 126 26 Hägersten 08-440 85 40

ECO line system

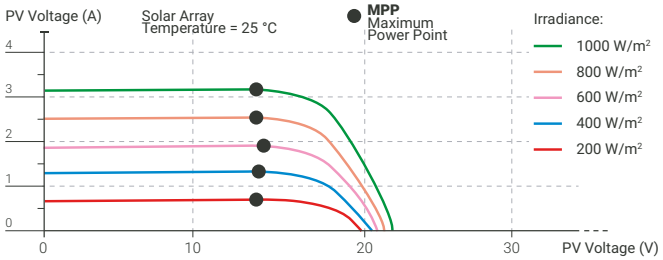
Ecology and savings

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.



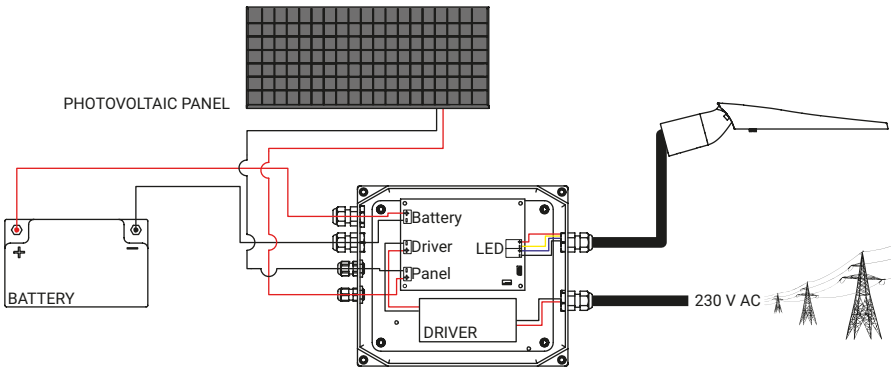
MPPT Controller

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%.



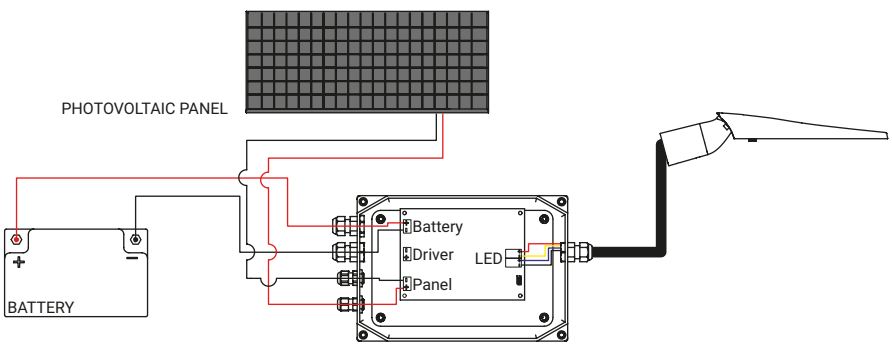
ECO line HYBRID

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 220 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.



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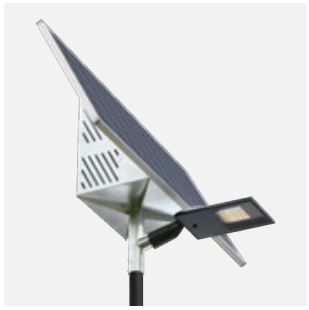
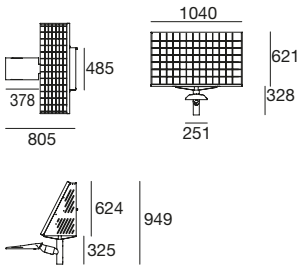
ECO Mini Parker HYBRID | Street & Urban | powerLED | 198-264 V AC

IK08 IP66 1000 70 0,67 0,33



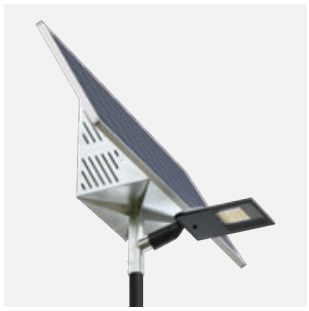


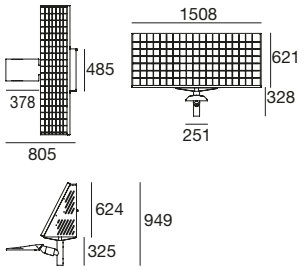
1x100Wp 1x42Ah 16 h avg. 1day

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

IK08 IP66 1400 70 0,95 0,33



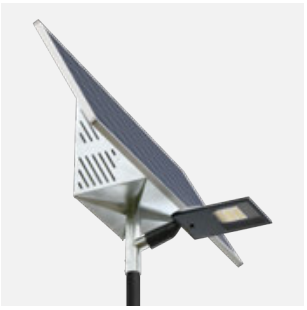


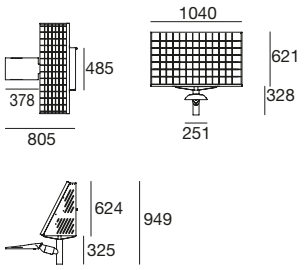
1x100Wp 1x42Ah 16 h avg. 1day

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

IK08 IP66 1000 70 0,67 0,33



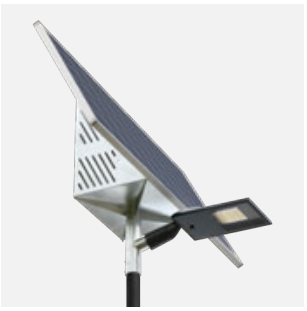


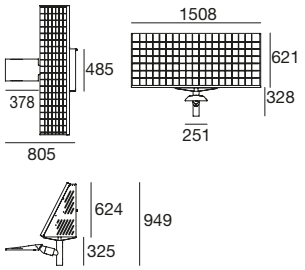
1x100Wp 1x100Ah 16 h avg. 3day

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

IK08 IP66 1400 70 0,95 0,33



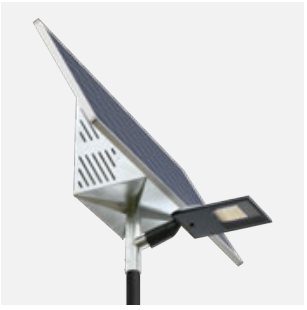


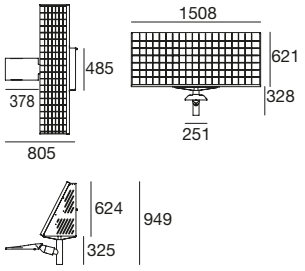
1x150Wp 1x100Ah 24 h avg. 3day

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

IK08 IP66 1400 70 0,95 0,33





1x150Wp 1x100Ah 16 h avg. 3day

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

PLUS

ACCS

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poles & fixing accessories

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 83 40

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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

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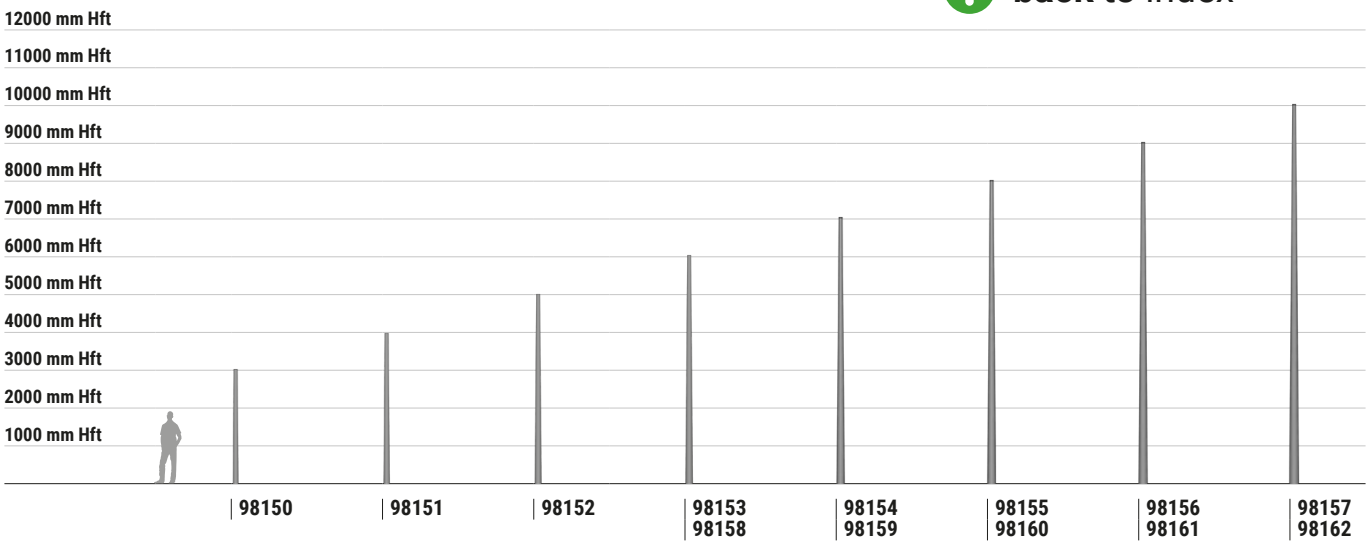
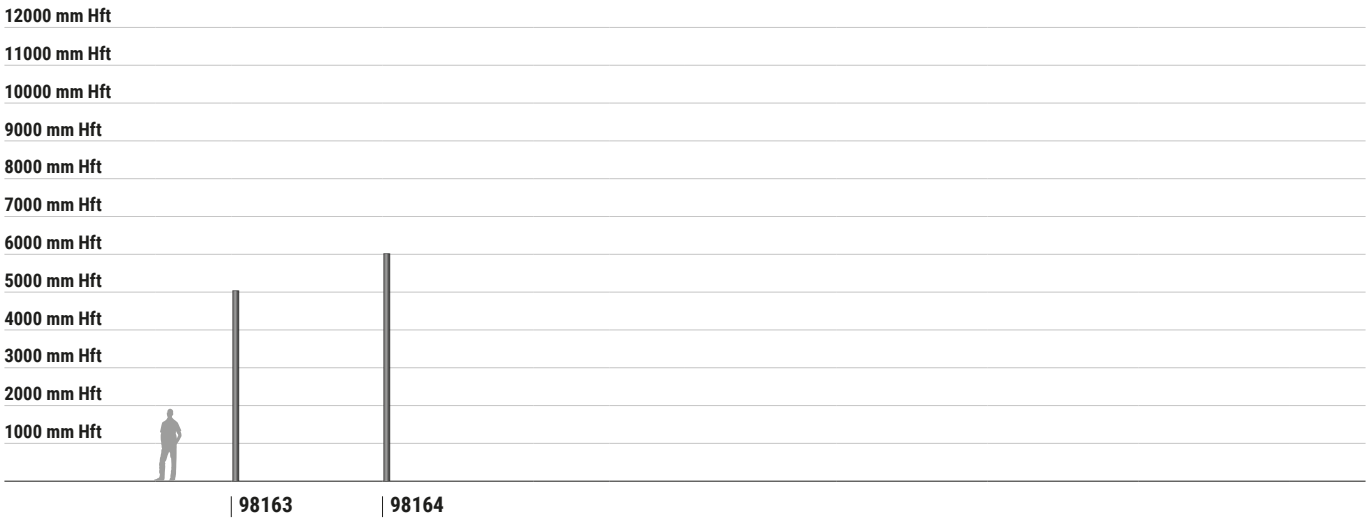
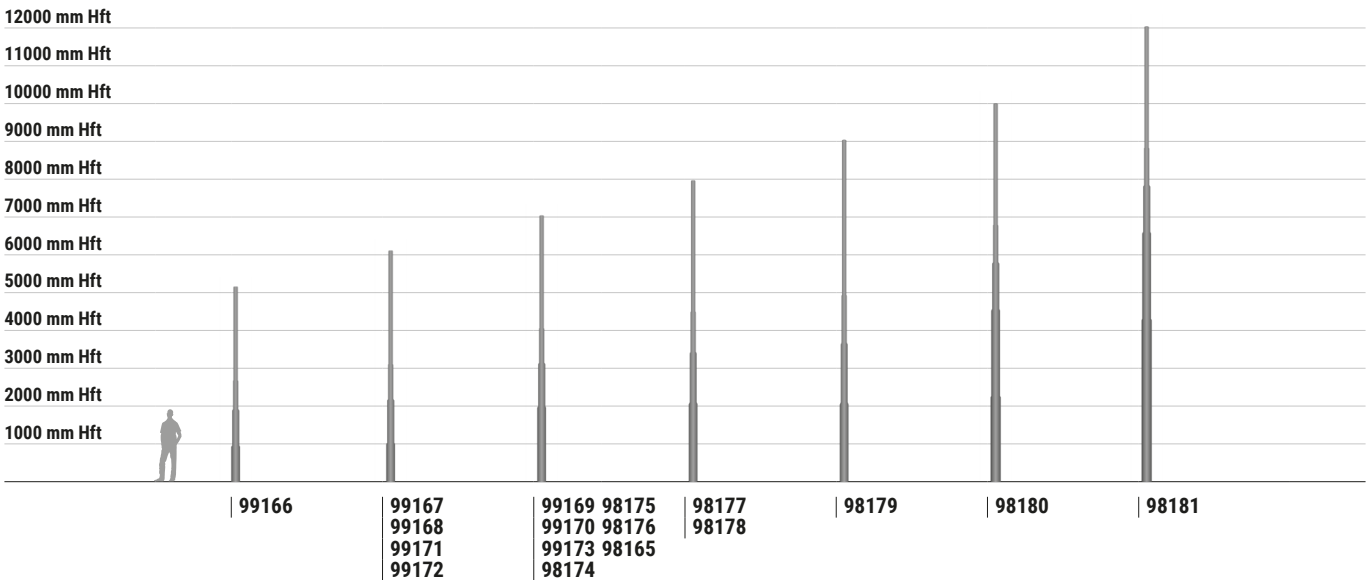
Conical poles in galvanised steel



Cylindrical poles in galvanised steel



Tapered poles in galvanised steel



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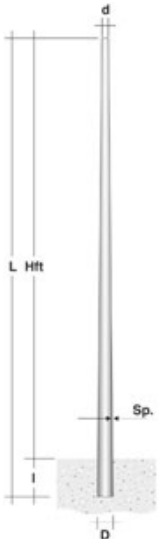
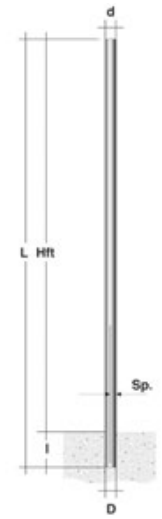


3 mm thick

4 mm thick

		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

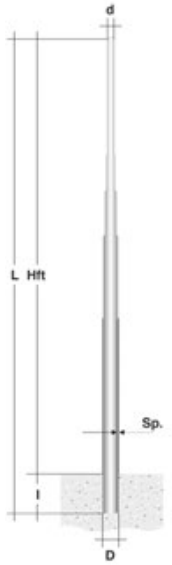


3 mm thick

4 mm thick

		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



3 mm thick

4 mm thick

		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

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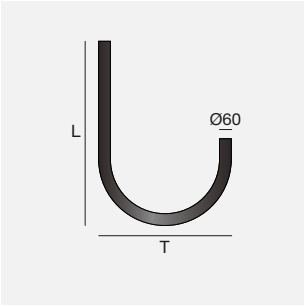
Arms & fixing accessories

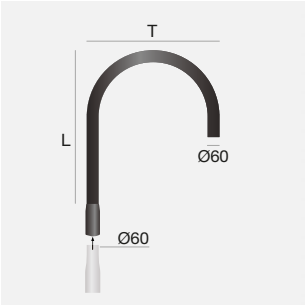
Round arm Ø 60mm



		L mm	T mm	Kg
Anthracite	**98182**	1000	700	8
Light grey	**98749**	1000	700	8

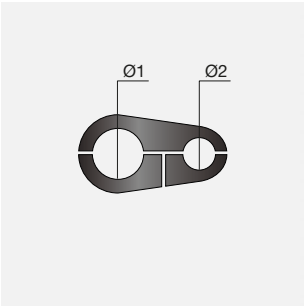
* To fasten the round arm Ø 60mm on the cylindrical pole, apply two couplers.

Snap-lock round arm Ø 60mm.



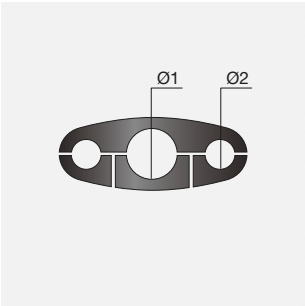
		L mm	T mm	Kg
Anthracite	**98190**	1000	700	8,3
Light grey	**98753**	1000	700	8,3

Single coupler for round arm Ø 60mm
(for cylindrical pole).



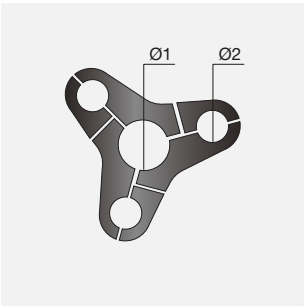
		Ø1 mm	Ø2 mm	Kg
Anthracite	**98184**	102	60	0,8
Light grey	**98750**	102	60	0,8

Double coupler for round arm Ø 60mm
(for cylindrical pole).



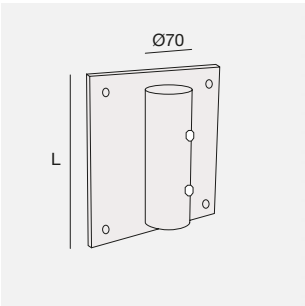
		Ø1 mm	Ø2 mm	Kg
Anthracite	**98186**	102	60	1,5
Light grey	**98751**	102	60	1,5

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

Wall-mount bracket for round arm Ø 60mm.



		L mm	Ø mm	Kg
Zn	**98288**	250	70	4,5

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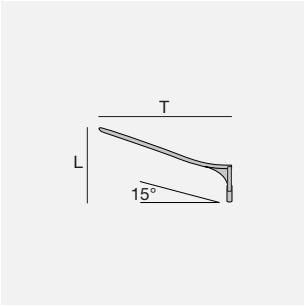
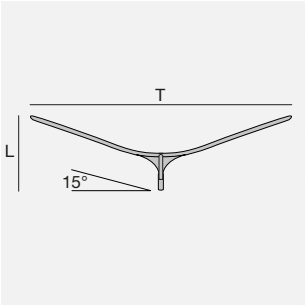
Single folded arm Ø 60mm for conical, tapered pole.



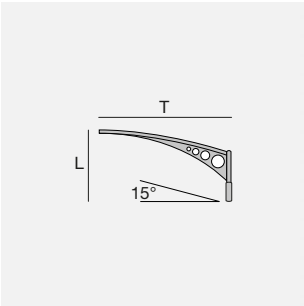
		L mm	T mm	Kg
Zn	**98214**	500	1500	8,5

Double folded arm Ø 60mm for conical, tapered pole.



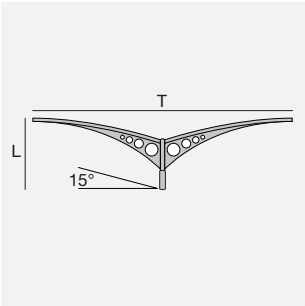
		L mm	T mm	Kg
Zn	**98215**	500	3000	17

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

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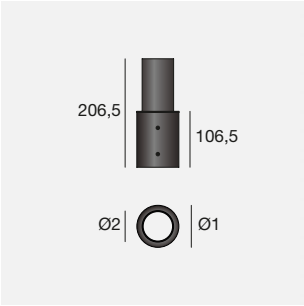
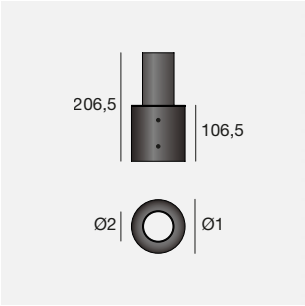
Arms & fixing accessories

Reducer for conical or tapered pole Ø 70mm.



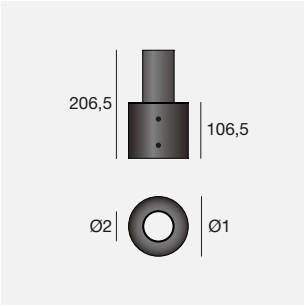
		Ø1 mm	Ø2 mm	Kg
Anthracite	**98742**	80	60	0,8
Light grey	**98743**	80	60	0,8
Zn	**On req**	80	60	0,8

Reducer for conical or tapered pole Ø 89mm.



		Ø1 mm	Ø2 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 Ø 120mm.

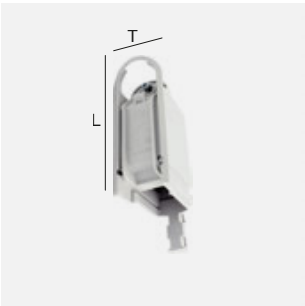


		Ø1 mm	Ø2 mm	Kg
Anthracite	**98746**	114	60	1,1
Light grey	**98747**	114	60	1,1
Zn	**On req**	114	60	1,1

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

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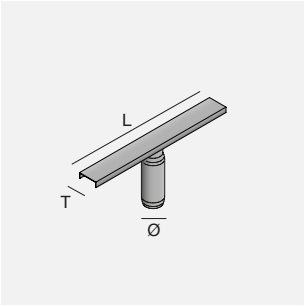
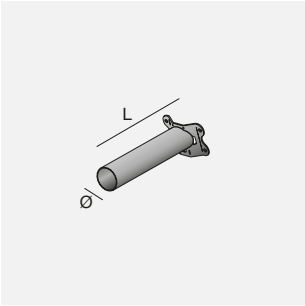
Cross arm Ø 60mm for conical or tapered pole.



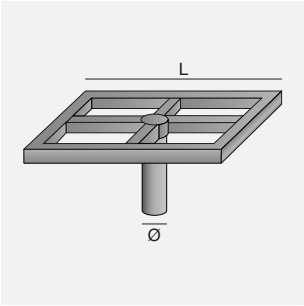
		L mm	T mm	Ø mm	Kg
Zn	**98196**	500	70	60	3
Zn	**98197**	1000	70	60	5

15° arm for wall mounting.



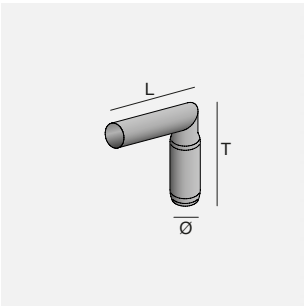
		L mm	Ø mm	Kg
Zn	**98198**	250	60	3,5

Square-section cross arm Ø 100mm for conical or tapered pole.



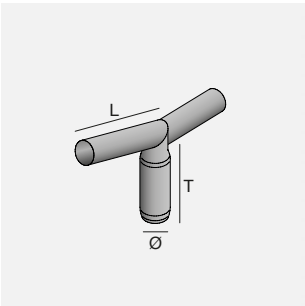
		L mm	Ø mm	Ø mm	Kg
Zn	**98199**	500	100	100	20

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

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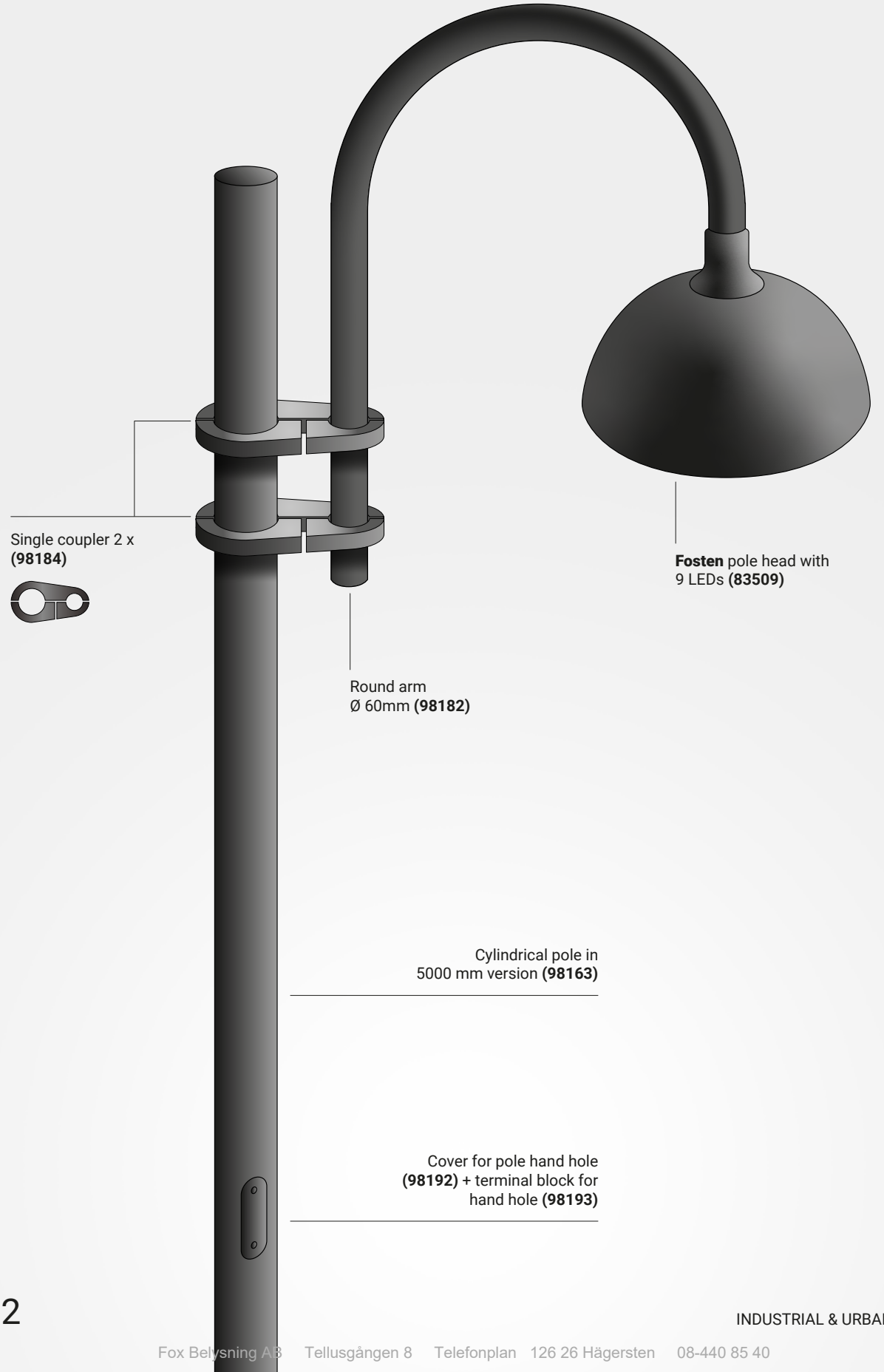
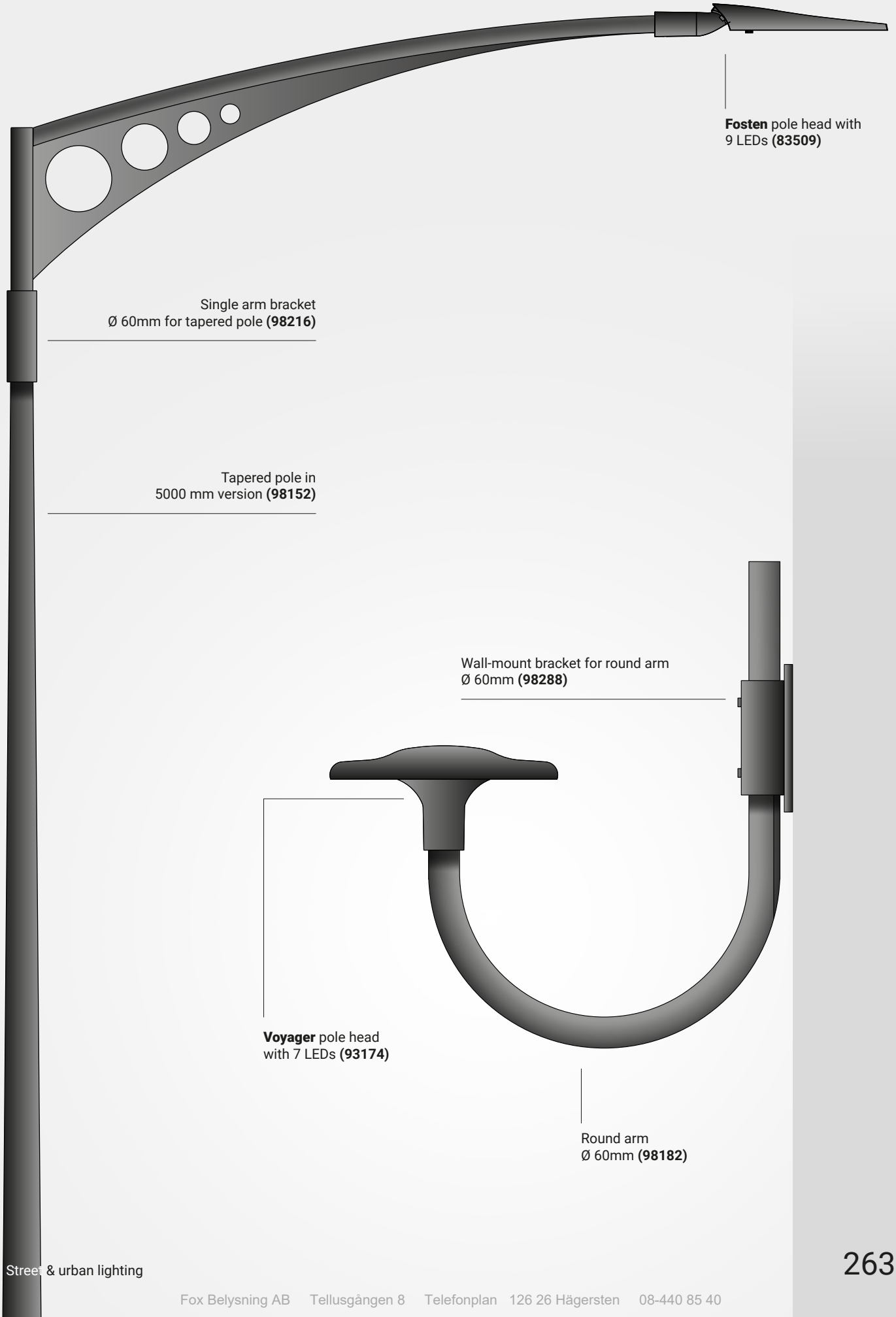
Examples of installations with accessories



Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



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Parkhaus Zeche Zollverein | Essen, Germany

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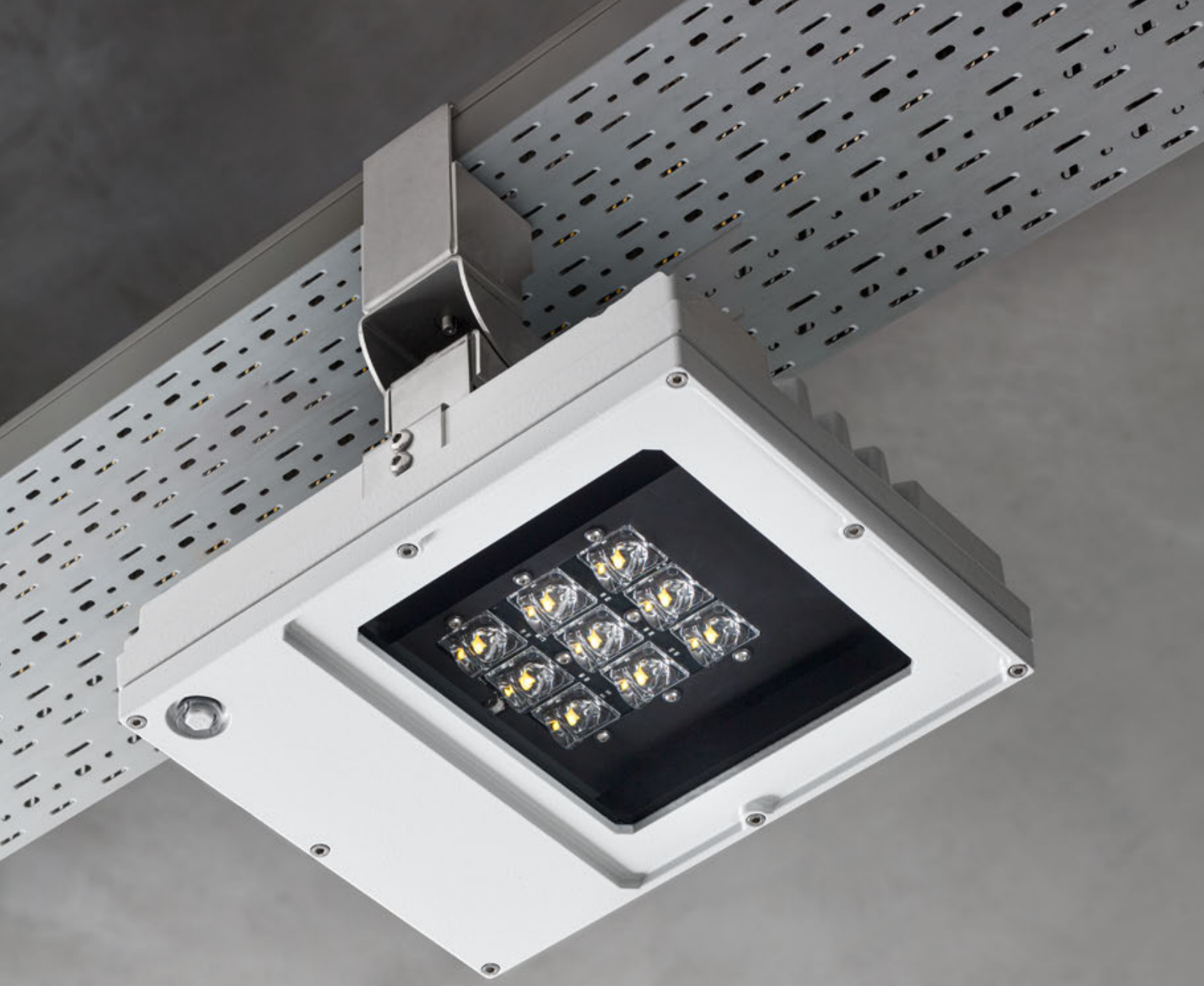
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40



driled

Materials
Body in die-cast aluminium ENAB-46100.
Extra-clear tempered glass diffuser.

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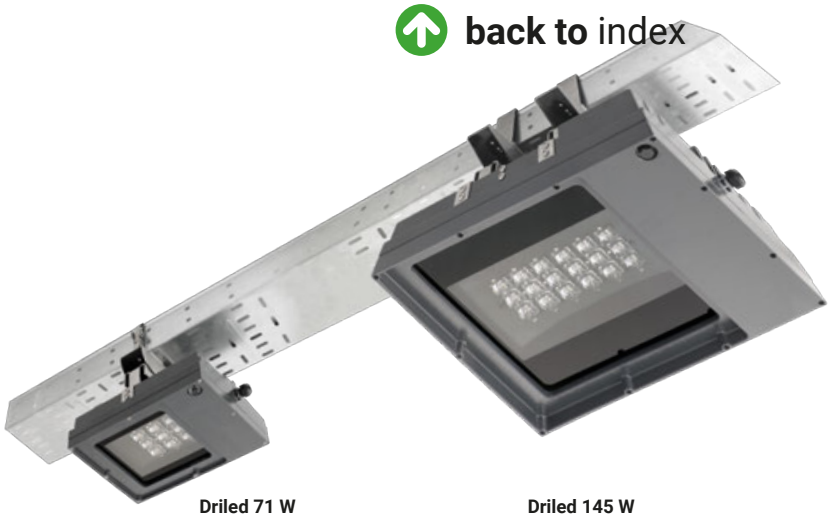
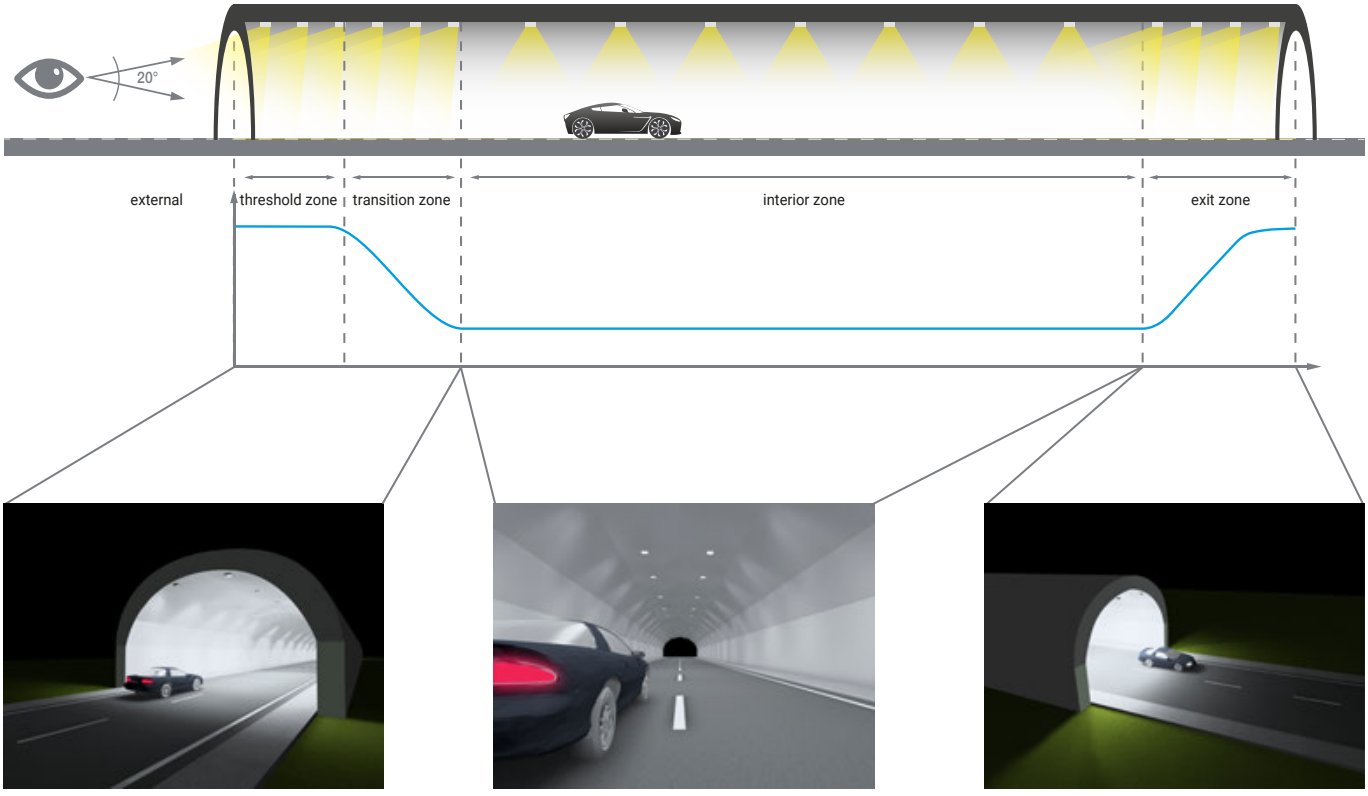
Tunnel lighting system

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.



Driled 71 W **Driled 145 W**

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 internal 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.

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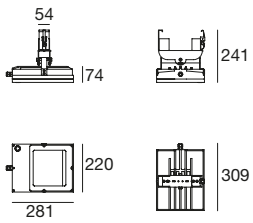
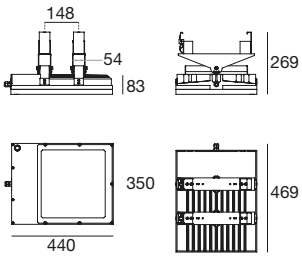
Driled | Street | powerLED | 198-264 V AC | 64 W DC - 71 W AC



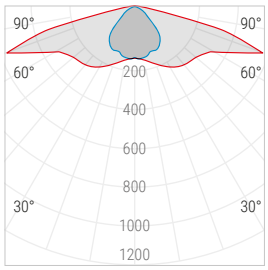
9 LED		Cct		Im S - D	Optic	
Anthracite	**80929**	**W**	3000	8942 - On req	**75**	Permanent
Light grey	**80930**	**N**	4000	9588 - On req	**79**	Fortifying
Autocontrol System		**C**	5000	9588 - On req		
Anthracite	**80931**					
Light grey	**80932**					

Driled | Street | powerLED | 198-264 V AC | 134 W DC - 145 W AC

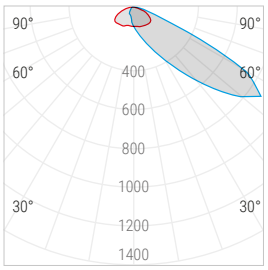


18 LED		Cct		Im S - D	Optic	
Anthracite	**80925**	**W**	3000	18489 - On req	**75**	Permanent
Light grey	**80926**	**N**	4000	19823 - On req	**79**	Fortifying
Autocontrol System		**C**	5000	19823 - On req		
Anthracite	**80927**					
Light grey	**80928**					

Photometric curves of Driled 71W (80929)



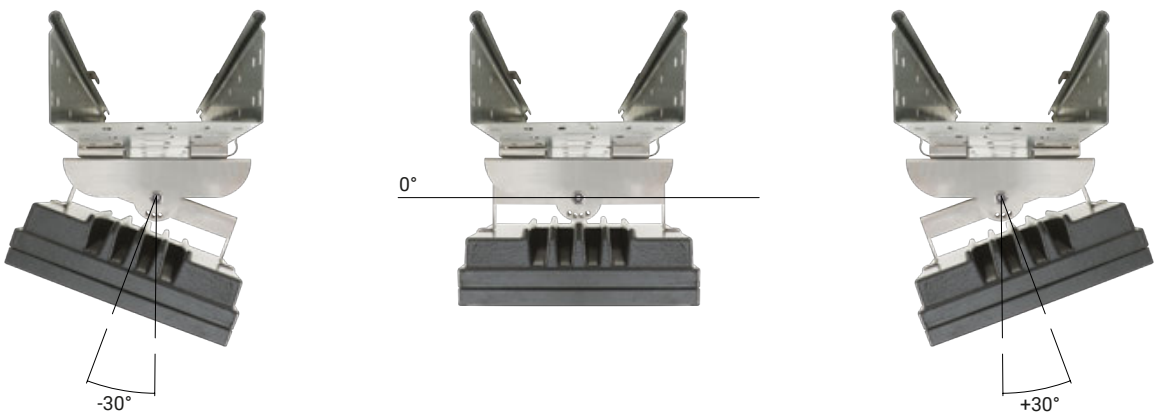
Optic 79 Fortifying



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.



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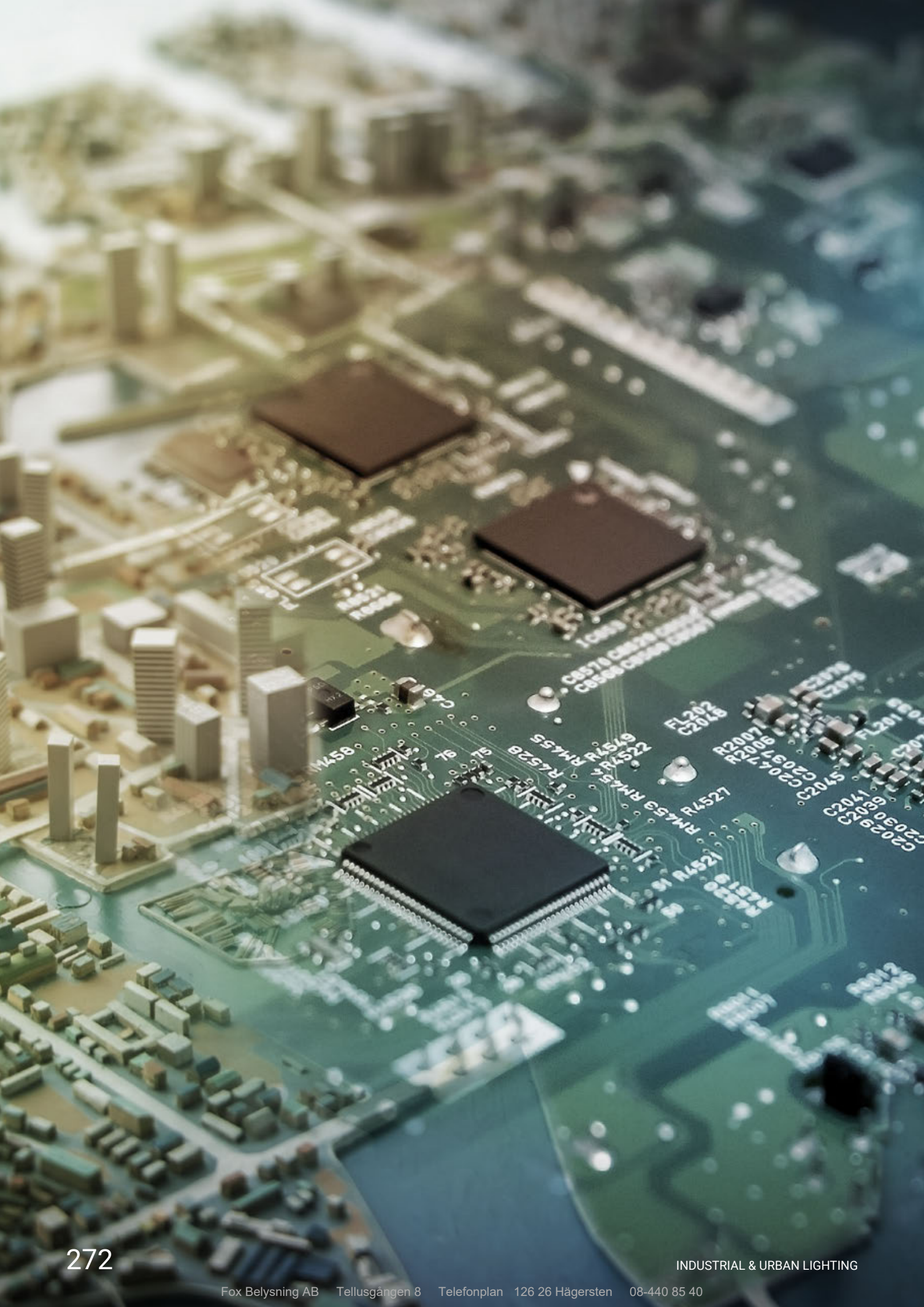

Twil light connection			
	Twil System	Twil | Sensor	276
		Twil | Gateway	277
		Linksys AC1900	277
		TP-Link Extender	277
Constant current			
	Over voltage protection	Defender	290
	On/Off	Simon	278
		Leon	278
		Jeti	278
		Lca	279
		Mean	279
		Big 450	282
	0/1-10V	Maxi JOLLY	280
		Big 450	282
	DALI	Simon	280
		Argo	280
		Maxi JOLLY	280
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		Mean	281
Signal Converter			
	DALI	Sico D	282
	DMX/RDM	Sico DR	282
Master & Controller			
	DALI Power Supply	Dali_PS2	283
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	Emergency	Emergency light kit | Emergency	288
		Emergency light kit | Emergency	289

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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

twil lightconnection

Available on the App Store

Google play

Download Twil for pc:
linealight.com

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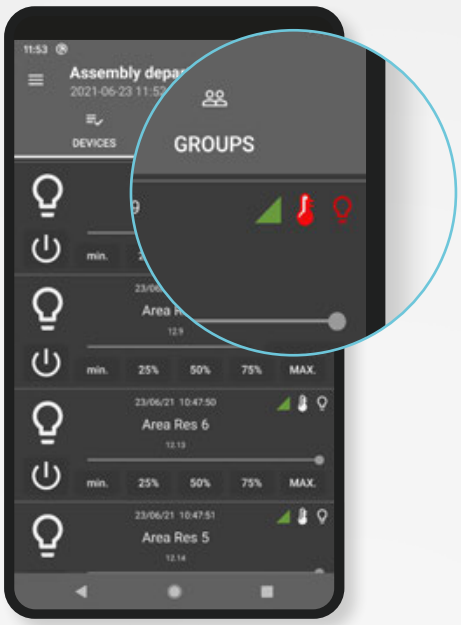
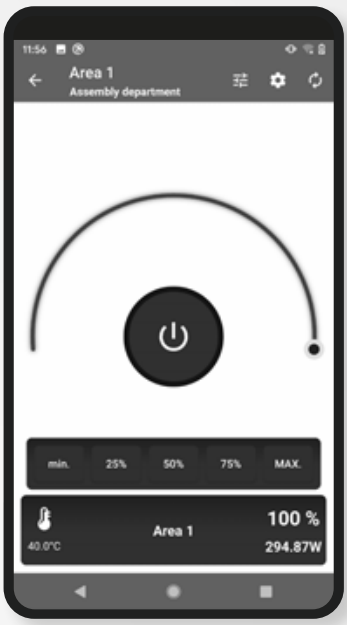
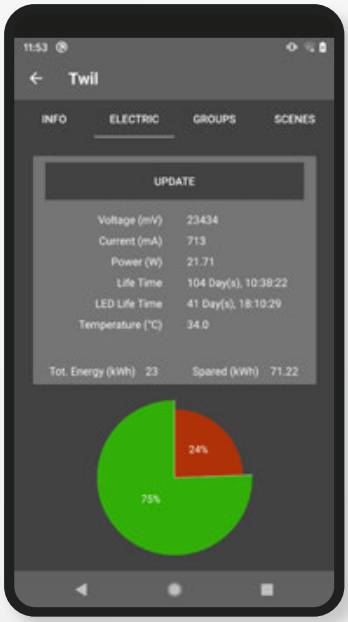


Display of all fixtures connected to a Gateway. The App allows users to detect any hardware problems. (Power supply temperature alert)

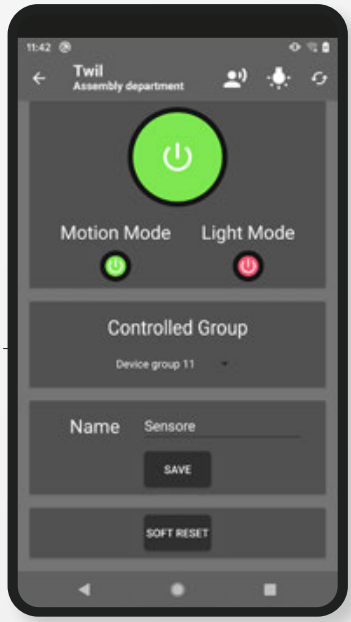


Fixture parameter readings and performance check



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.

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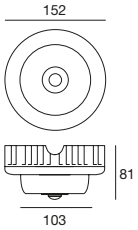
Twil Sensor



	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
98658	Fixing hidden bracket

suitable for: Twil Sensor

	description
98657	Fixing hidden bracket

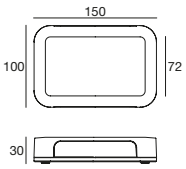
suitable for: Twil Sensor

	description
98656	Fixing tilting bracket

suitable for: Twil Sensor

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Twil | Gateway

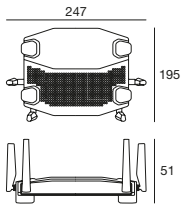


	type	network standard	
83237	Black	IEEE 802.11a/b/g/n	MiWi IEEE 802.15.4

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

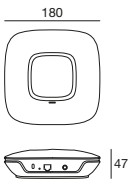
Linksys AC1900 | Wireless Router



	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.

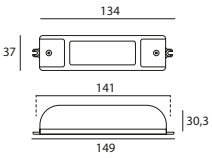
TP-Link Extender



	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



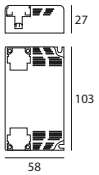
	range	output	input	eff.	PF	surge
99740	15W DC arrayLED	400mA 37V	190~250V AC	89%	0.9 C	2 kV

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.

Made in Italy

Easy Plug connector included

Leon | On/Off Driver

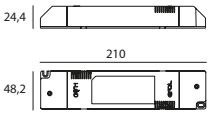


	range	output	input	eff.	PF	surge
83219	23W DC topLED	500mA 39V	198~264V AC	91%	0.95	5 kV
99261	25W DC arrayLED	630mA 39V	198~264V AC	91%	0.95	5 kV
99093	30W DC arrayLED	840mA 39V	198~264V AC	91%	0.95	5 kV

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.

Easy Plug connector included

Jeti | On/Off Driver



	range	output	input	eff.	PF	surge
83114	50W DC arrayLED	1250mA 39V	198~264 V AC	90%	0.9	4 kV

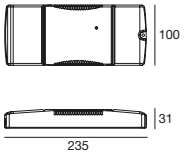
Smartwave™: excellent efficiency, a long operating life, surge protection and high PF.
Protection against overheating, overloading, open circuits and short-circuits along the output line.

Made in Italy

Easy Plug connector included

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Lca | On/Off

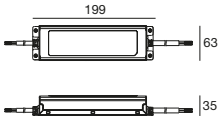


Easy Plug connector included

	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.

Mean | On/Off Driver

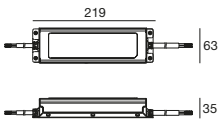


Easy Plug connector included

	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.

Mean | On/Off Driver

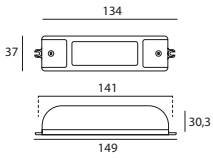


Easy Plug connector included

	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.

Simon | DALI Push and Simply Dim Multi Current



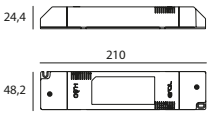
	range	output	input	eff.	PF	surge
99738	15W DC arrayLED	400mA 37V	198~264 V AC	89%	0.9 C	4 kV

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.

Made in Italy

Easy Plug connector included

Argo | DALI Push and Simply Dim Multi Current

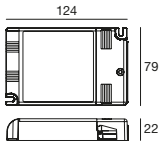


	range	output	input	eff.	PF	surge
99721	23W DC topLED	500mA 40V	198~264 V AC	91%	0.95	4 kV
	25W DC topLED	700mA 40V	198~264 V AC	91%	0.95	4 kV

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.

Easy Plug connector included

Maxi JOLLY | DALI 2 Push 0/1-10V Multi Current



	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

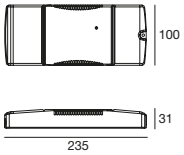
Multipower driver supplied with dip-switch for the selection of the output current. Protections: against overheating and short circuits, against mains voltage spikes, against overloads.
RIPPLE FREE ≤ 3%.
On request BIS certification.
Light regulation 0/1 - 100 % by means of PUSH function, 0/1...10 V 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.

Made in Italy

Easy Plug connector included

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Lca | DALI Push Multi Current

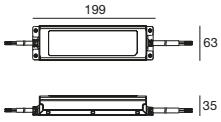


	range	output	input	eff.	PF	surge
83233	70W DC topLED	1.75A 37V	198~264V AC	88%	0.97	5 kV

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

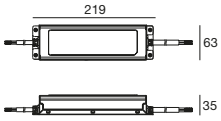


	range	output	input	eff.	PF	surge
99165	100W DC topLED	2.5A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included

Mean | DALI Driver



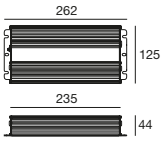
	range	output	input	eff.	PF	surge
98173	140W DC topLED	3.6A 40V	198~264V AC	88%	0.97	5 kV

Protection against overheating, overloading, open circuits and short-circuits along the output line.

Easy Plug connector included

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

BIG450 | On/Off 0/1-10V Driver

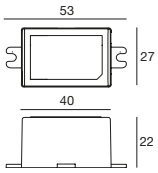


	range	output	input	eff.	PF	surge
83212	450W DC powerLEDs	3600mA 125V	90~305V AC	94%	0.96	6 kV
83216	450W DC powerLEDs	2700mA 168V	90~305V AC	94%	0.96	6 kV
83218	450W DC powerLEDs	2500mA 180V	90~305V AC	94%	0.96	6 kV

	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.

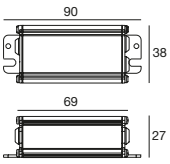
Sico D | Signal Converter



	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



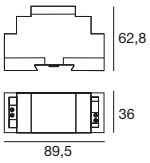
	type	signal input	signal output	input
83031	Allum.	DMX/RDM	0/1-10V	12 V DC

The DMX/RDM converter can convert DMX/RDM command to control the LED lamp's current via LED driver's 0-10V interface.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Dali_PS2 | DALI power Supply

C.V. DALI IP20

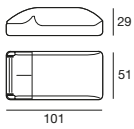


	type	signal output	connector	input
99310	White	DALI 15~16V DC	CLAMP	220~240V AC

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

C.V. DALI IP20

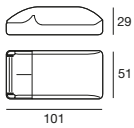


	type	signal output	connector	input
99309	Transp.	DALI 15~16V DC	CLAMP	220~240V AC

Power supply for 200 mA DALI BUS, for DALI devices, or control modules without own power supply.

Dali_USB | DALI Controller

III C.V. DALI IP20



	type	signal output	connector	input
99308	Transp.	DALI	CLAMP USB	4.5~5V DC

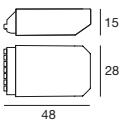
PC/DALI interface.
It allows the PC to interface with the DALI system and to address individual drivers, managing scenes and groups.
The system must be integrated with the free "MasterCONFIGURATOR" software.
Powered by DALI cable and USB interface.

99309

Power supply

Dali_XC | DALI Controller

III C.V. DALI IP20



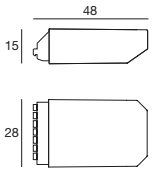
	type	signal output	connector	input
99311	White	DALI	CLAMP	15~16V DC

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

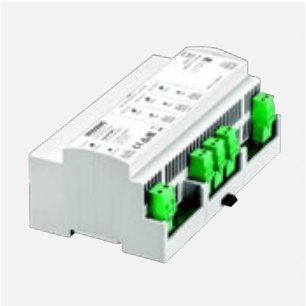
UPB4 | DALI

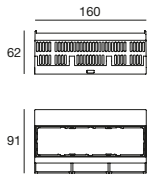


	type	signal output	connector	input
83147	White	DALI	CLAMP	15-16V DC

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

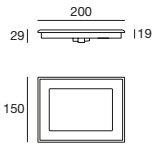




	type	signal output	connector	input
83146	White	3 DALI Lines	CLAMP	220~240V AC

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

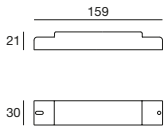
99310
Power Supply

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.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

basicDIM DGC | Digital controller

IP20

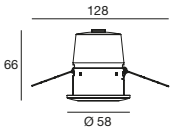


	type	signal output	connector	input
83115	White	DALI/DSI	CLAMP	220~240V AC

2 brodcast control outputs for 10 + 10 DALI \ DSI drivers.
Possibility of programming via TLC FULL programmer 83118 or via free “MasterCONFIGURATOR” sosftware.

basicDIM DGC | Sensor 5DPI 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” sosftware

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

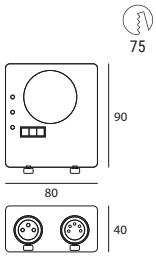
IP20

	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).

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Slesa_UE7 | DMX Controller



	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

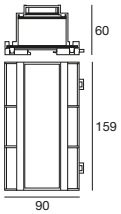
98493
5 m extension M 5 pin M12
M 5 pin XLR

84869
Connector
M 3 pin XLR

99346
Connector
M 5 pin XLR

84865
DMX cable

Dina DR1 | DMX controller

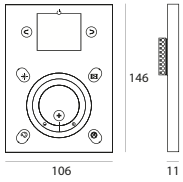


	signal output	connector	input
83144	6 uni DMX/RDM	CLAMP Ethernet RJ45 USB typeC	12V DC

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

Stick_DE3 | DMX Controller



	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

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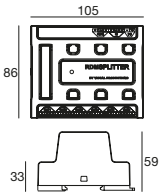
Splitter Visual | 6OUT DMX/RDM



	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.

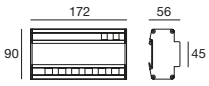
99658
Power supply

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.

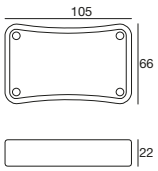
99658
Power supply

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

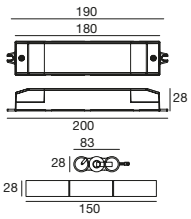
99346
Connector M 5 pin XLR

84865
DMX cable

89189
5m cable M 5 pin M12

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

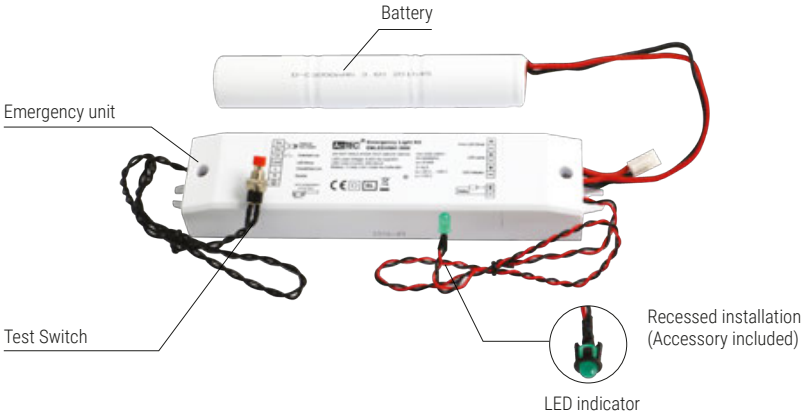
EM C.C. IP20

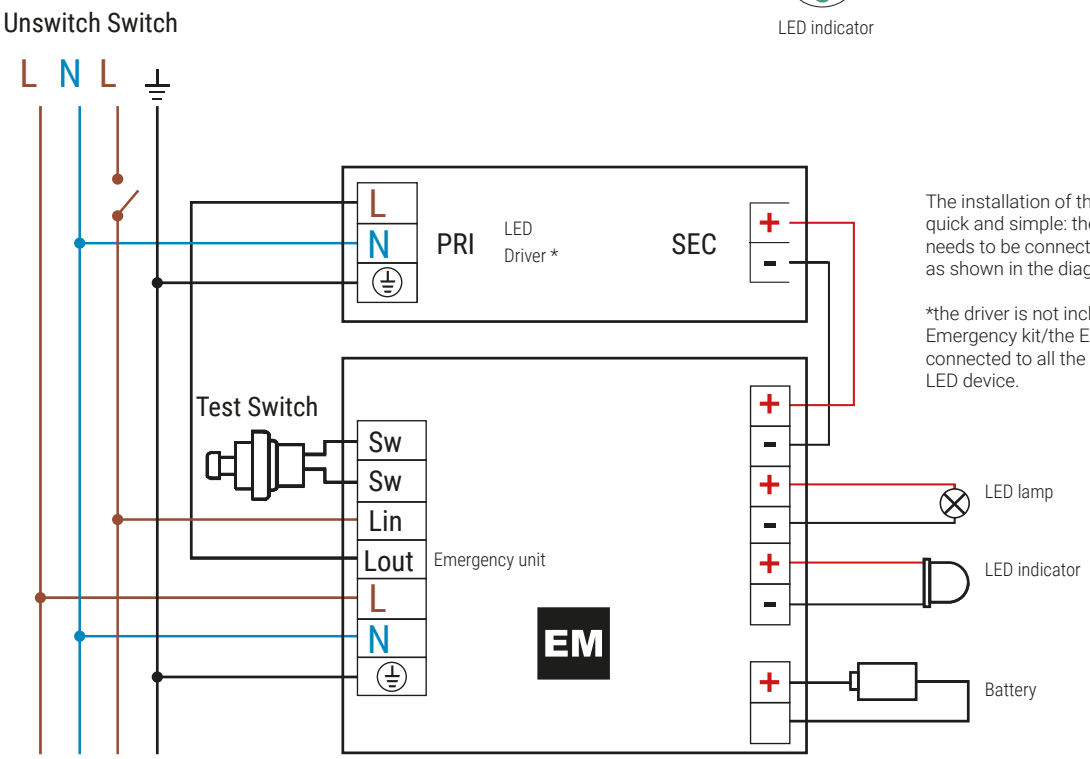


Switchable (on/off) in the presence of mains via switch on SL input (switched line). Automatic reset following battery and/or LED lamp replacement. Electronic multi-level charging system.
Supplied with 3,000 mAh battery pack.

	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





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.

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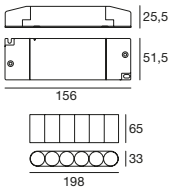
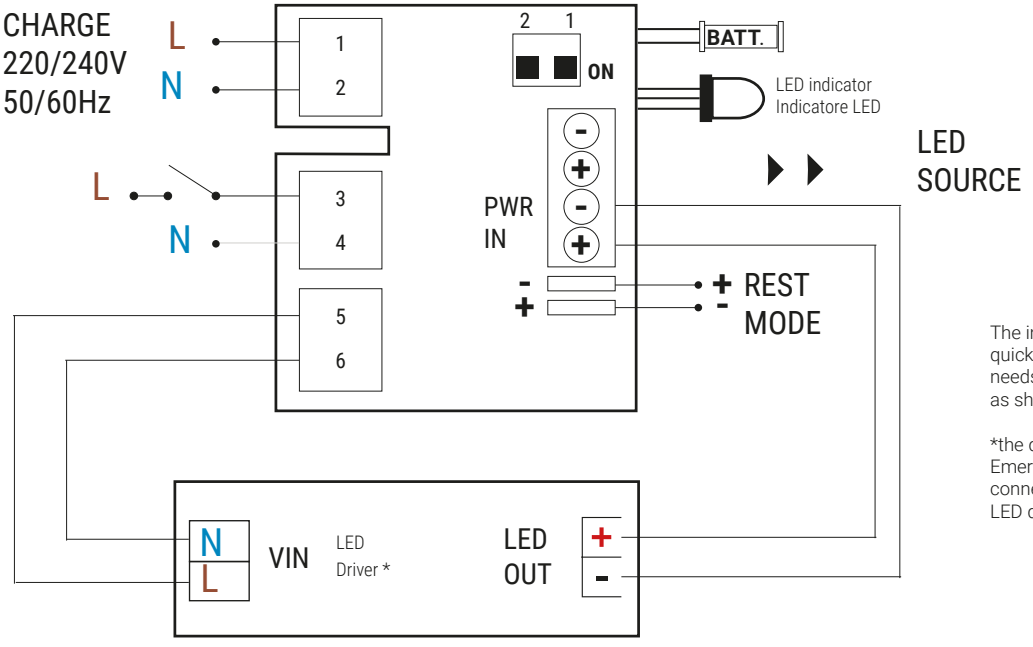
EM C.C. IP20



	range	output	input	PF
KIT0014	Universal C.C. Universal C.V.	9-57V 350-60mA 24V 2000mA	220~240V AC	0.5

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

- 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.



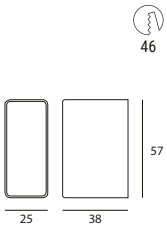
The installation of the Emergency kit is quick and simple: the Emergency unit only needs to be connected to the LED driver as shown in the diagram.

*the driver is not included in the Emergency kit/the Emergency kit can be connected to all the original drivers of the LED device.

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Defender | Over Voltage Protection

T3 IP65



	U_N	I_N	I_{MAX}	I_{TOT}	U_{OC}	U_P
99341	230V AC	5kA	10kA	20kA	10kV	≤ 1.5kV

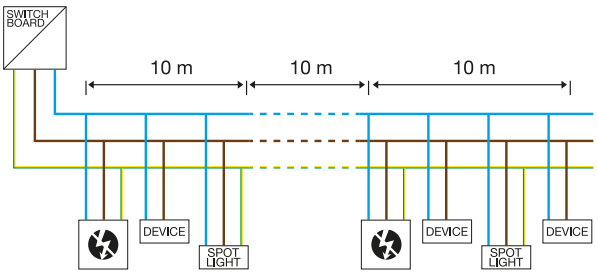
U_N	Nominal operating Voltage
I_N	Nominal impulse discharge current
I_{MAX}	Total impulse current (L+N+PE)
I_{TOT}	Max. total impulse current (L+N+PE)
U_{OC}	Surge protection level [L-N] [L+N-PE]
UP	Voltage protection level [L-N] [L/N-PE]

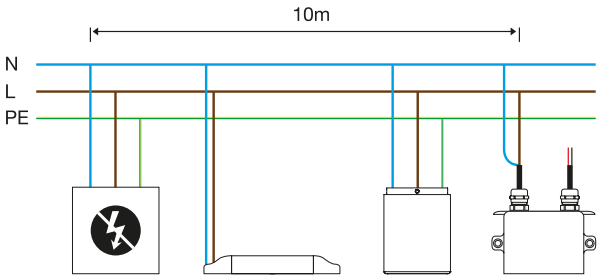
Made in Italy

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

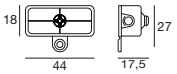
The installation of only one unloader for each line may not be sufficient to guarantee effective protection of the entire system.
All luminaires installed at a distance of 10 m from the arrester are considered to be 100% protected.
If the length of the cable between the arrester and the luminaires exceeds 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.





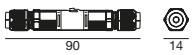
Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

Junction box | connector gel 2 ways



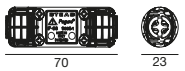
connectors	External Ø of the cable	
IP68 2x0,75 mm²	Ø 4,8 ~ Ø 6 mm	**98989**

Junction box | connector 2 ways



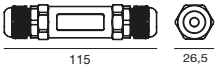
connectors	External Ø of the cable	
IP68 min. 2x0,25 mm2 max. 2x1,0 mm2	Ø 3 ~ Ø 8 mm	**98990**

Junction box | connector gel 2 ways



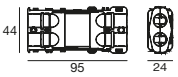
connectors	External Ø of the cable	
IP68 max. 3x1.5 mm2	Ø 5,5 ~ Ø 10 mm	**98991**

Junction box | connector 2 ways



connectors	External Ø of the cable	
IP68 min. 2x0,5 mm2 max. 2x2.5 mm2	Ø 7 ~ Ø 13,5 mm	**84893**

Junction box | connector gel 4 ways



connectors	External Ø of the cable	
IP68 max. 4x1,5 mm2	Ø 6,5 ~ Ø 12 mm	**84894**

DMX accessories

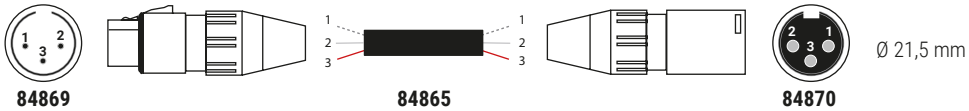
Cable | DMX

connectors	sec. Ø	
order: x m / 84865	2 x 0,25 mm + shield	**84865**

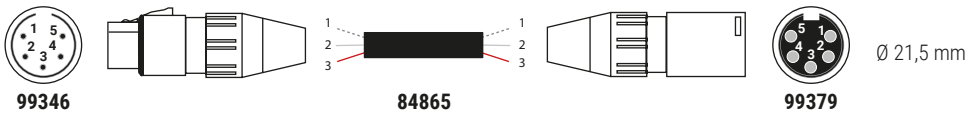
Connectors | DMX

connectors	sec. Ø	L m	
XLR		3 M	**84869**
		3 F	**84870**
		5 M	**99346**
		5 F	**99379**

GND	1
B	2
A	3



GND	1
B	2
A	3
	4
	5

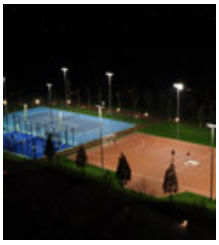


credits

Krujë castle
Rruga Kala, Krujë (Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli



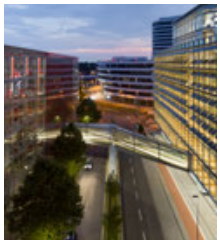
H-FARM
Treviso (Italy)

Project: Zanon Architetti Associati

Lighting Designer:
Linea Light Group

Photography:
Thestudio.rocks

Hendress + Hauser
Cernusco (Italy)

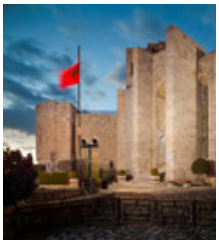


Capricorn Bridge
Dusseldourf (Germany)

Lighting design:
Jack Be Nimble

Project: Arch. SUPERGELB Architekten

Photography: HGEsch



Krujë castle
Rruga Kala, Krujë (Albania)

Lighting Designer:
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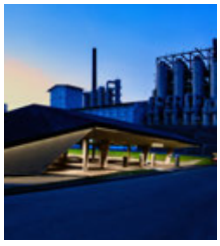
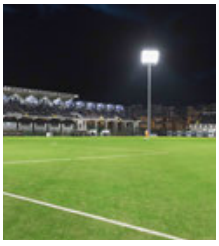
Photography:
Pietro Savorelli



Parkhaus Zeche Zollverein
Essen (Germany)

Project: Arch. Dreßler Bau GmbH, Essem Herr Pauli

Lighting Designer:
Engineer Büro Paulus Essen, Herr Gräf

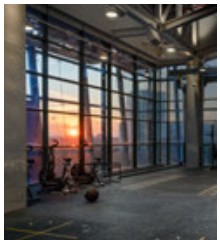


Stadio A. Nobile
Lentini (Italy)

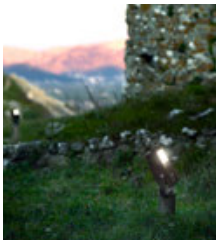
Project: Arch. Baldi Margheriti Associati

Photography:
Mauro Cippitelli

Margraf
Verona (Italy)



McFit
Roma (Italy)



Rozafa Castle
Shkodër (Albania)

Lighting Designer:
Fulvio Baldeschi

Photography:
Pietro Savorelli

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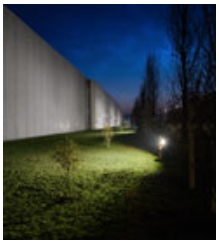


Rotocart HQ
Treviso (Italy)

Photography:
Quasar

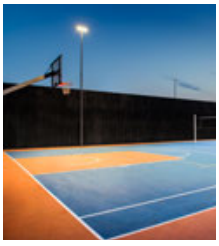
Casearia Monti Trentini
Trento (Italy)

Photography:
Sebastiano Mescolotto

Four Seasons Astir Palace Hotel
Athens (Greece)

Lighting Designer:
L+DG Lighting Architects

Photography:
Gavriilux Papadiotis



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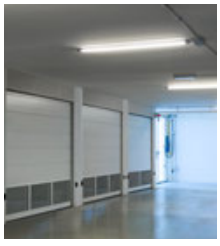
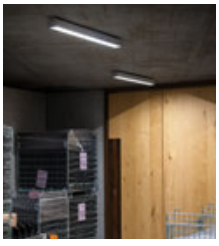


Residence Civico 3.9
Castelfranco Veneto (Italy)

Project: Arch. Studio Architetti Associati Giampietro & Stefano Cinel

Photography:
Thestudio.rocks



Podversic Damijan Cellar
Gorizia (Italy)

Project:
Arch. Massimiliano Zanon

Photography:
Thestudio.rocks

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Sarbo S.p.a
San Vendemiano
Treviso (Italy)

Rotocart HQ
Treviso (Italy)

Photography:
Quasar

Rotocart HQ
Treviso (Italy)

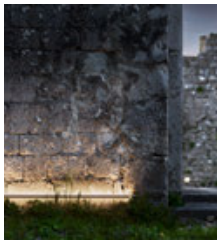
Photography:
Quasar

Casearia Monti Trentini
Trento (Italy)

Photography:
Sebastiano Mescolotto

Attisholz
Riedholz (Switzerland)

Project: Arch. BA&P
Borer Architektur und
Partner AG



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Project: Arch. Dreßler Bau GmbH, Essem Herr Pauli

Lighting Designer:
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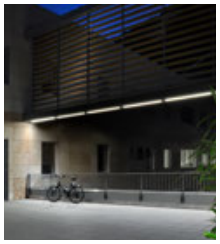
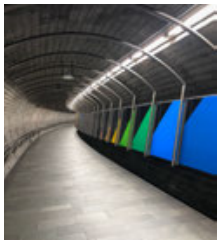
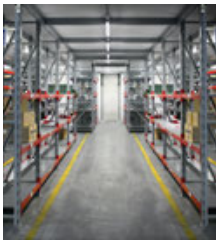
Essen, Herr Gräf



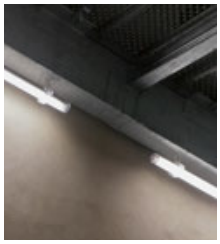
Proton therapy Center
Trento (Italy)



Metro station National Gallery
Oslo (Norway)

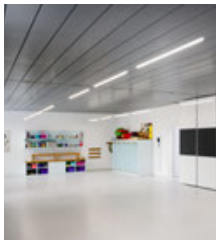


Sarbo S.p.a
San Vendemiano
Treviso (Italy)

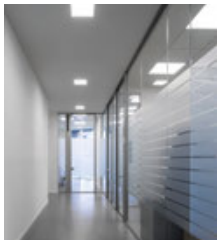


Private project
Vicenza (Italy)

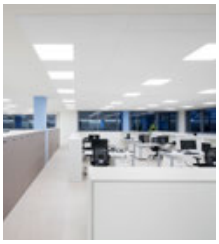
Private project
Vicenza (Italy)



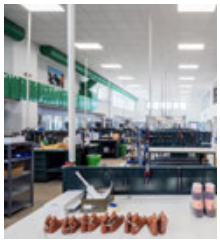
Children school" of Abredo
Castione di Bellinzona
(Switzerland)



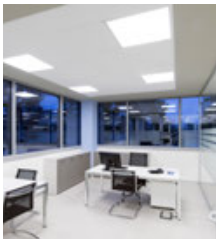
Hendress + Hauser
Cernusco (Italy)



Hendress + Hauser
Cernusco (Italy)



ITOP
Roma (Italy)



Hendress + Hauser
Cernusco (Italy)

H-FARM
Treviso (Italy)

Project: Zanon Architetti Associati

Lighting Designer:
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Photography:
Thestudio.rocks

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Treviso (Italy)

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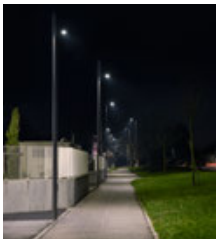
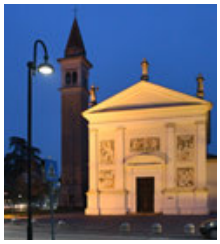


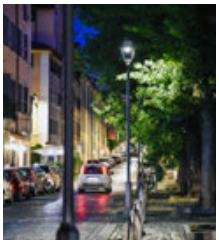
Private project
Treviso (Italy)

Fox Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 85 40

credits



Private project



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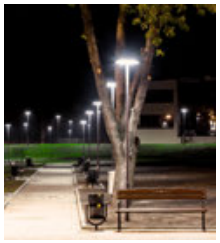

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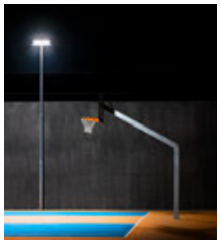

H-FARM
Treviso (Italy)

Project: Zanon Architetti 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

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CC GranRoma | Roma, Italy

Box Belysning AB Tellusgången 8 Telefonplan 126 26 Hägersten 08-440 65 40

how to read symbols

Indoor installation

Outdoor installation

Ceiling mounting

Ceiling or wall mounting

Ceiling, wall or groung mounting

Protection index (IEC 60529)
against foreign bodies and water

Protection index (IEC 62262)
against external mechanical impacts

Protection against high-pressure and high-temperature washes

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

Wicking control valve

Stainless steel

Tilting light beam

Emergency version available

Power supply cable included

Device suitable to be mounted on furniture

Driver included

Driver not included

Class I - IEC protection class

Class II - IEC protection class

Class III - IEC protection class

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

Digital Addressable Lighting Interface Push

Technology Wireless i-Lèd

RDM, DMX 512

DMX 512

Simply DIM

0/1-10V

Comfort light UGR

Compliance with TV broadcast requirements

Autocontrol system

Infrared

Motion sensor

External antenna

Power supply with safety transformer

Thermally protected power supply

Independent power supply

Over Voltage Protection

Smartwave ™

Vertical wind exposure indicator

Horizontal wind exposure indicator

Professional lighting systems for indoor cultivation

Connection schematics for electronic items are available within the technical documents.

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finishes materials

Traffic White | RAL 9016
(Edith / Indy)

Signal White | RAL 9003

Opaline

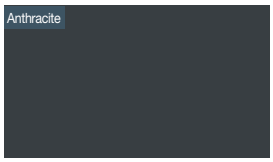
Embossed

Aluminium

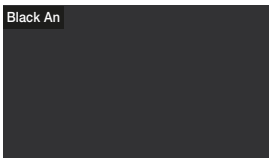
Light grey | RAL 7035

Grey

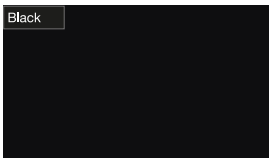
Zirconium Grey



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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All values indicated in the catalogue are measured values. There is a +/- 10% tolerance for the flow, CCT and power data.

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Printed in Italy
August 2021

Photography and poles production
Matteo Lavazza Seranto photography studio

Mural illustration
Emanuele Nicoletti Serra

Architectural Drawings
Mario Cappelletto

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