



PERFORMANCE LIGHTING

OUTDOOR
LIGHTING
CATALOGUE
2012/2013

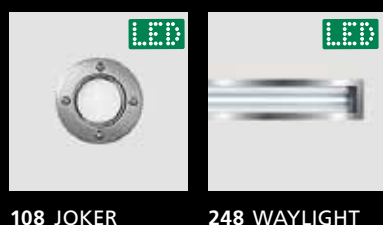
PRISMA[®]

ARCHITECTURAL

WALL MOUNT LUMINAIRES FOR GENERAL USE



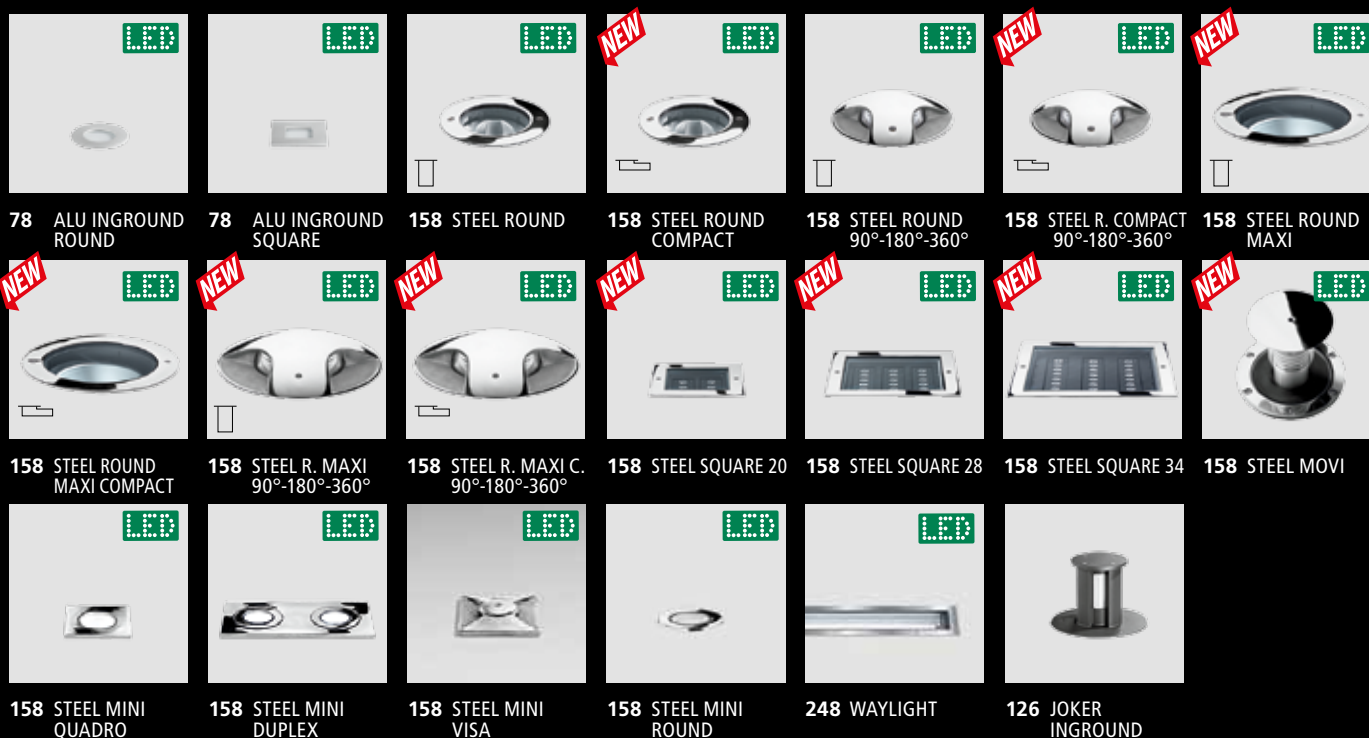
RECESSED WALL MOUNT LUMINAIRES



SUSPENDED LUMINAIRES FOR COMMERCIAL AREAS



RECESSED INGROUND FITTINGS



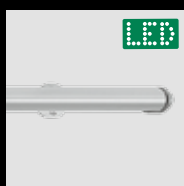
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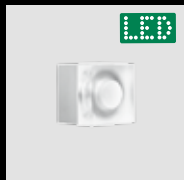
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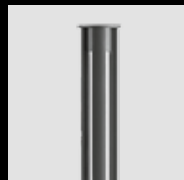
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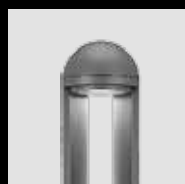


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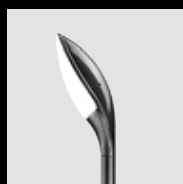
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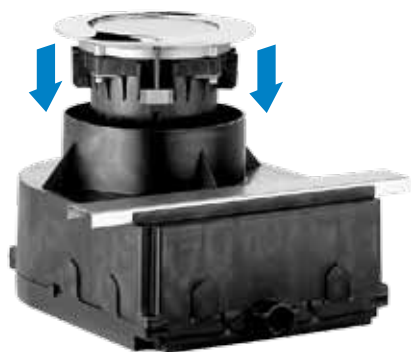
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Fotolia © Mr.Lightman

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HIGHLIGHTS



STEEL ROUND COMPACT

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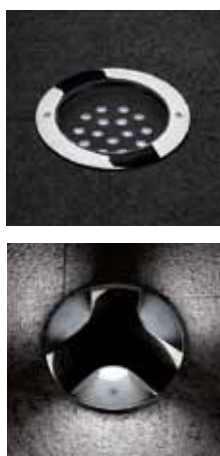
The STEEL ROUND COMPACT in-ground range is the solution for all situations where the depth of the STEEL ROUND outer casing (252 mm) is excessive. The new Compact casing, in fact, is only 170 mm deep, but the exterior appearance of the luminaires is identical to that of existing ones in the STEEL ROUND range. They can therefore be used in the same context, maintaining a uniform style regardless of the depth of the casing.



STEEL ROUND MAXI STEEL ROUND MAXI COMPACT

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The STEEL ROUND MAXI range is larger than the STEEL ROUND range, but keeps the main aesthetic characteristics, in particular the stainless steel ring. It joins the STEEL ROUND series and extends the possibilities of use, with greater power levels and with different types of optics. STEEL ROUND MAXI luminaires are available with traditional casing (depth of 350 mm) and with the new Compact casing (depth of 165 mm).

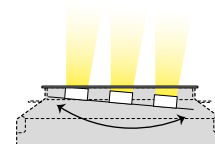
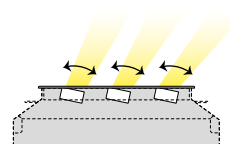




STEEL SQUARE

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The STEEL SQUARE in-ground range is available in three sizes, all with casing that is only 127 mm deep. As with all the luminaires in the STEEL range, the ring is made from stainless steel. STEEL SQUARE includes a remarkable variety of LED, but also fluorescent and discharge, solutions, many of which are adjustable.



STEEL MOVIE

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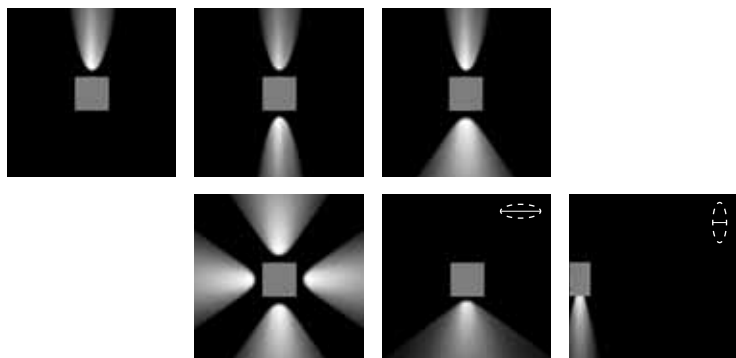
STEEL MOVIE is a motorised, in-ground luminaire, which only appears when its light is required.

When off, the luminaire disappears, allowing maximum freedom of use of spaces.

As with all STEEL luminaires, the cover is made from stainless steel. STEEL MOVIE is only available in a LED version.



HIGHLIGHTS



ALU 1, 2, 4

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These new ALU versions with lenses feature light emissions in multiple directions and with different widths of the light beam (6° - 25° - 40° - elliptical 10° x 45°). ALU 4 is also available with lenses sold separately, to customise the width of the light beams emitted.

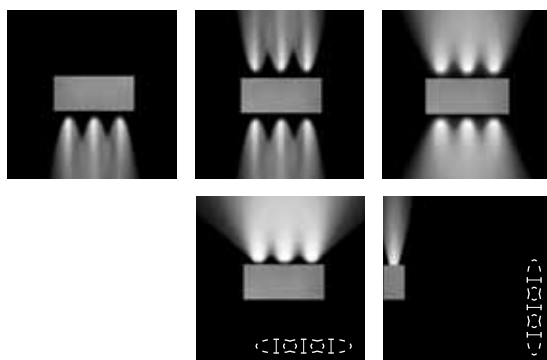
The lenses are supplied with a wrench that allows the luminaire to be opened easily and the lenses replaced. ALU 1, 2 and 4 are only available in a LED version, as are all the luminaires in the ALU series.



ALU 1, 2, 4 220-240

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These ALU luminaires with lenses generate the same emissions as the ALU 1, 2 and 4 versions but are complete with built-in driver that allows direct connection to the mains. The dimensions are greater than those of the ALU 1, 2 and 4 versions precisely to contain the driver.



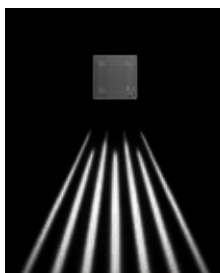
ALU LINEAR 220-240

page 94



The Alu Linear luminaire is now joined by the ALU LINEAR 220-240 version with built-in driver that allows direct connection to the mains. Available with both single and dual emission, ALU LINEAR 220-240 is equipped with lenses with different widths of the light beam (6° - 25° - 40° - elliptical 10° x 45°). The luminaire is only available in a LED version.

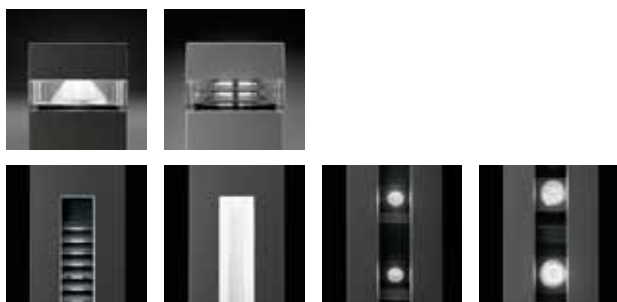




TRACTO - MINITRACTO

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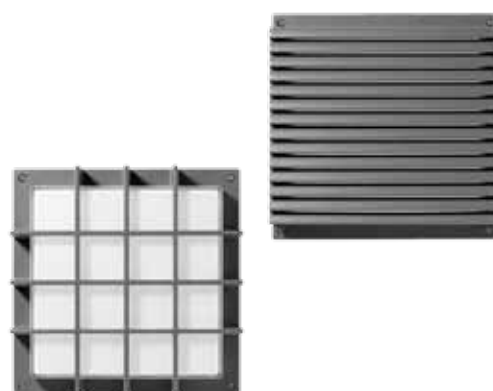
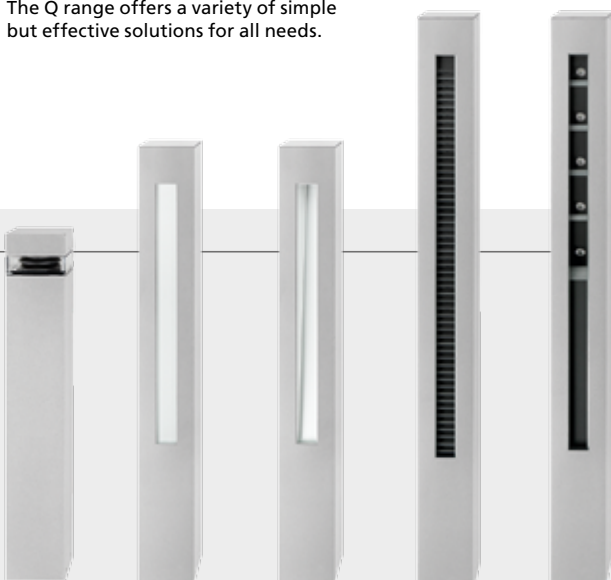
The TRACTO range is designed for decorative and effect lighting. The two luminaires are characterised by a reduced protrusion from the wall. A flat glass diffuser and an intensive beam optical lens feature in both TRACTO and MINI TRACTO luminaires, and are available in 7 different combinations of emission for both luminaires. In the MINI TRACTO LINE versions, an extruded section processed with longitudinal stripes creates a decorative light effect.



Q-LED, Q-LINE, Q-TECH, Q-LIGHT

page 128

The Q range stands out due to its simplicity of form, including a number of solutions for lighting gardens and outdoor environments. The LED, fluorescent and discharge light sources are combined with a transparent or frosted diffuser and an anti-glare screen. The Q-Light version is cut-off. The Q range offers a variety of simple but effective solutions for all needs.



SUPERBLIZ

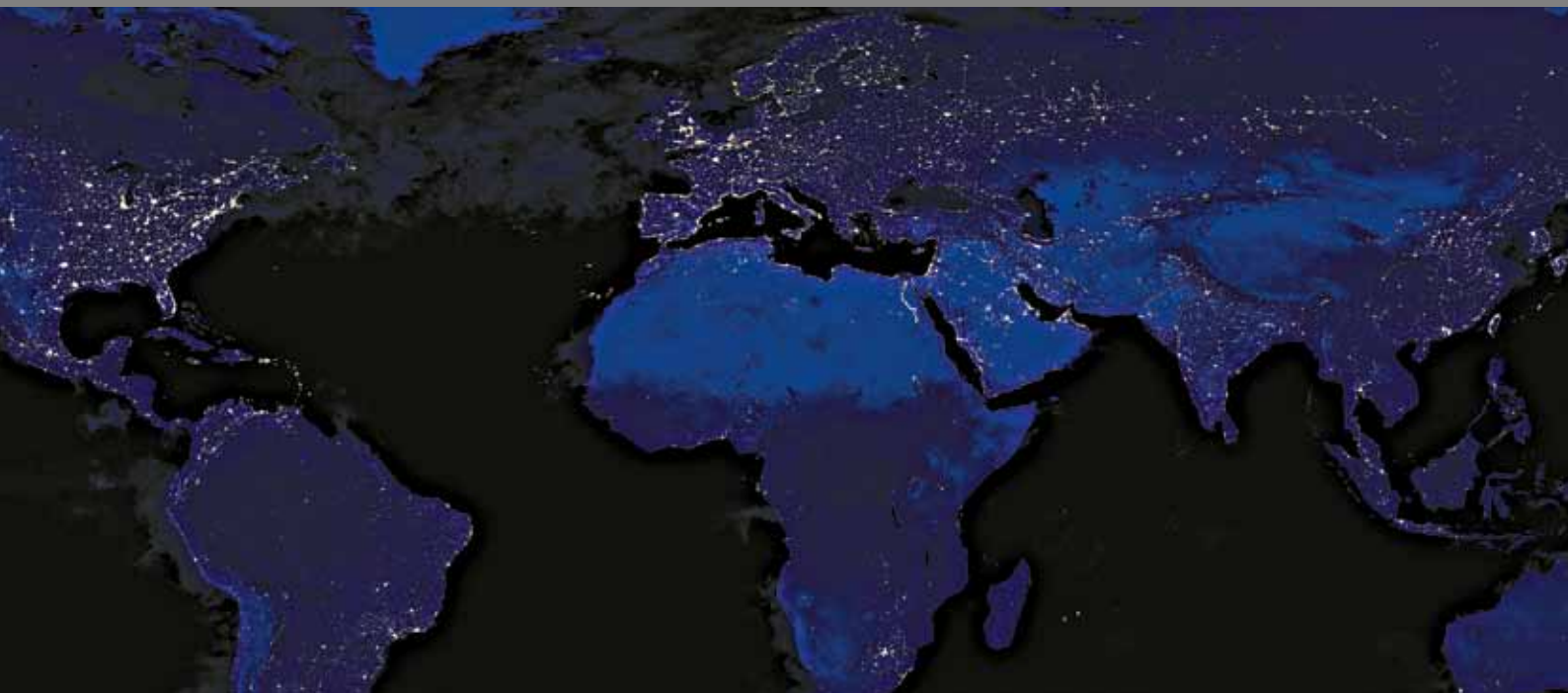
page 2

SUPERBLIZ is a range of square-shaped aluminium ceiling lamps, with cage version and Grill version for light directed downwards. SUPERBLIZ is available with fluorescent light sources, in an emergency version (3 hours) and a version with dual power switch.

PERFORMANCE LIGHTING

PERFORMANCE IN LIGHTING: A UNIQUE COMPANY

Performance in Lighting has been formed from the merger of a number of well known and established technical lighting companies, each tried and trusted in their own right. Recognised for its unique professional approach and technical know-how, Performance in Lighting has combined its experience and technical expertise to become an international leader in their field. Performance in Lighting produce high quality engineered products, designed to provide a vast array of lighting solutions to satisfy even the most demanding of projects. Our products are sold under the brand names **Prisma Architectural, Spittler, SBP Urban Lighting, Prisma, and SBP** each having their own attributes and solutions to design and lighting.



THE DISTRIBUTION NETWORK

Performance in Lighting has a wide sales and distribution network, operating throughout **Italy and the rest of the world** through agents, branches and subsidiaries. Besides having an important and historical position in the **Italian, French, American, Belgium and German markets**, where it has production and wholly

owned subsidiaries, it also exports to more than **90 countries** worldwide. The Performance in Lighting branches; **Netherlands, Spain, Portugal, UK, Finland and Australasia** are actively promoting and selling the Group brands.



PRISMA[®]

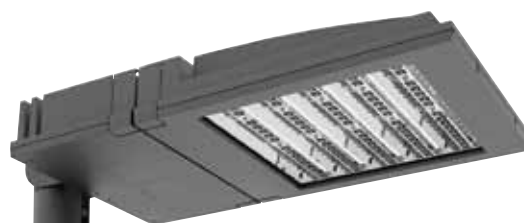
ARCHITECTURAL

Prisma Architectural is a collection of designed indoor and outdoor lighting products with innovative features and designs, manufactured from high quality materials they offer a comprehensive range of wall and ceiling mounted luminaires, pole mounted lighting, and in-ground recessed lighting.





Spittler offers a wide range of interior lighting for commercial and retail applications with an emphasis on the lighting of interior spaces and offices to the latest recommendations. Their comprehensive range of customisable downlights, suspended fittings, spotlights and projectors are an ideal choice for the lighting of interior commercial buildings, schools and retail complexes. Technical design and quality of materials combine to create performance with visual comfort to improve the quality life in the illuminated environment.



SBP Urban Lighting is a range of luminaires designed for road and public area lighting. A wide range of optics and lamps are offered, combined with latest technology in photometric design, to comply with the recommendations for glare control and upward light pollution. Suitable for a variety of public area lighting applications; sports stadiums, road/street lighting and pathways, car parks, squares and pedestrian zones.



PRISMA®

Prisma Prisma offers a comprehensive range of indoor and outdoor lighting for commercial and residential applications; providing a family range of products for surface, suspended and pole mounting installation. The Prisma range combines quality materials with aesthetic designs to offer a competitive priced solution to lighting.



SBP products, which are known for their special technological performance and high quality standards, which meet the most specific and particular lighting needs. These products offer the ideal solution for the lighting of sports facilities, large industrial areas, shopping centres, buildings and residential areas.

PRODUCT DEVELOPMENT

Performance in Lighting pools productive **know-how and experience** in strategic sectors like research, development and marketing.

Product design is undertaken with the solid support of an internal structure that works with the most sophisticated **CAD programs**, compatible with all production phases.

The design of the components that go into the finished luminaires is monitored down to the smallest detail of construction, and **3D simulation** allows designers to evaluate the aesthetic qualities of the finished product before beginning the mass production phase.



DESIGN



WARRANTY

SAFETY TESTS

For reliability and product duration tests, Performance in Lighting has internal laboratories that operate with quality systems in compliance with the **ISO 17025** norms.

These laboratories are accredited by the Istituto Italiano del **Marchio di Qualità IMQ** (Italian Mark of Quality Institute), and can produce and sign the technical documentation necessary for the issue of the **European Certification ENEC 03**.

Products undergo the most **rigorous testing** procedures in terms of watertightness, duration in time, material safety, resistance to atmospheric agents and electromagnetic compatibility.

All these processes contribute to the making of safe and dependable luminaires, with optimal constructive solutions that are easy to install and are also high performing and competitive in every way.

The design of Performance in Lighting products is protected from possible imitations through **registration of the decorative model** in all European countries and in leading extra-European countries.

All products are covered by a **5-year warranty**, provided that they are used and maintained according to instructions. Consumable materials, such as bulbs, starters, electronic ignitors and reactors, which are compliant with warranty regulations issued by the European Directive on the subject, are not included in the warranty.

Focus on **quality, safety and duration in time** are the essential objectives of Performance in Lighting.





DESIGN ASSISTANCE

RELUXSUITE

Relux Informatik AG has developed a platform of programmes for **computerised lighting design** projects. These lighting calculation instruments allow accurate tests and measurements to be conducted with regard to natural, artificial and combined light, in various indoor and outdoor environments. Furthermore, a quotation programme integrated in the software enables **estimates and information literature**, including photometric curves, to be presented. The new version of the "Relux-Suite" software contains the calculation and design programme "ReluxPro", in addition to the lighting data of all products manufactured by the Group. This software application may be downloaded free of charge from www.relux.biz.

LIGHT PERFORMER

For more specific needs, Light Performer (version 1.5) is the **program for lighting calculations** for indoor and outdoor planning. The software lets the designer calculate and elaborate the data, and meticulously check the quality and level of lighting on all the surfaces and furnishings in an area, with the possibility of importing **DXF files** pertinent to the geometry of the area that needs lighting. With **five integrated work modules**, the program can be used to research parameters to select the most suitable product, generate renderings, manage photometric data and prepare estimates. The program can be ordered on CD ROM, or downloaded from the website. Updates about new products can also be downloaded from the site.

DIALUX

The **free, complete software for professional lighting design**. Software created by designers for designers. With DIALux, you can create your own virtual worlds in a simple, intuitive way. The results of the design are documented with **breathtaking photorealistic displays**. You can work on CAD data from other architecture programs and re-export the results with ease. **DIALux calculates the energy requirements of the solution identified** and helps you comply with national and international regulations. DIALux is free of charge and available in many languages as a free download from our site.



Performance in Lighting is a **founding member of Ecolight** (Italy), a consortium created to address and solve **problems of an ecological nature** involving luminaires, and is also a member of similar associations throughout Europe.

Performance in lighting has long promoted the use of new **high efficiency bulbs** by producing luminaires that have been specially studied for fluorescent or LED bulbs, and by proposing energy saving bulbs that offer an alternative to the traditional incandescent ones published in its catalogue.

Performance in Lighting makes use of superior quality **electronic reactors** or **reactors with a very low loss** to contribute towards optimising the use of energy.



THE ENVIRONMENT: A PROJECT COMPONENT

Respect and focus on the environment underpin product design and development operations carried out by Performance in Lighting. The company has always privileged and deemed **noble materials** that have a minor impact on the environment as a primary goal.

Glass, a 100% recyclable noble material, has always distinguished the product, and so have the **technopolymers** used, which meet very high quality standards and are totally recyclable. **Aluminium**, in its various alloys, used in Performance in Lighting products, is treated to resist weathering and ensure durability.

All products have been developed with the utmost compliance with the **European Directive 2002/95/CE RoHS** and therefore do not contain dangerous substances or metals. Each luminaire is designed to facilitate separation and recovery of the various component materials once it has finished its useful lifetime, and is therefore **98% recyclable**.



Performance in Lighting pays particular attention to the laws that regulate the dispersion of light towards the sky and the advantageous use of energy.

The company has a state-of-the-art photometric laboratory and specific software for **designing reflectors to enable development of high efficiency luminaires**.

Performance in Lighting prints its catalogues only on **paper from properly managed forests and specially grown trees**.

The Performance in Lighting plant based in Colognola ai Colli uses clean solar energy generated by a photovoltaic plant with **138 kWp** nominal power, which allows for obtaining **97% performance** with the aid of a high-quality inverter. The 150,000 kWh annual energy production allows for **fully covering the plants electricity needs**.



photo: Alessandra Garusi for CINI (Kolkata - India)

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FONDAZIONE BLU: FOR A FUTURE OF SOCIAL DEVELOPMENT

Performance in Lighting is a supporter of **Fondazione Blu**, an association founded with goal of guaranteeing the **right to care and education** in early childhood to children living in the poorest areas of the planet. Contributions to the Foundation make up the basis for the long term financing of its projects. Fondazione Blu is dedicated, maintains the **utmost transparency in its operations**, and periodically documents its results. These practices are proof of its commitment to building a solid, sustainable future of large-scale social development.



web www.fondazione-blu.org



NIDO BLU

The well being of children and their working parents is one of the main reasons behind Fondazione Blu, and the inspiration for the creation of **Nido Blu** by Performance in Lighting, a day care centre open since September 2002 at one of the main offices of the company in the province of Verona.

This centre is designed to accommodate children aged 7 to 36 months, the sons and daughters of employees of companies in the area, and provide them with a **socio-pedagogical program** approved by the **Veneto Region**.

Nido Blu is self-managed by a cooperative, made up of personnel specialised in the care and education of small children.

Connected with the Nido Blu there is the **Fattoria Didattica** (Learning Farm), an organisation where several pairs of different species of animals are cared for, with the goal of **acquainting children with nature** at a very young age, in a spontaneous and direct way just like on a real farm.

This structure, which has an area of 7000 m², is managed by Performance in Lighting employees, who cooperate as volunteers in collaboration with the public veterinary service.

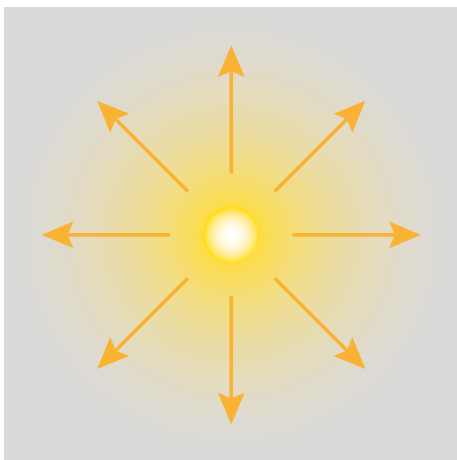
LUMINOUS FLUX

The **luminous flux** (Φ) represents the power radiated from a light source with reference to the spectral sensitivity of the human eye.

Its unit of measurement is the lumen (lm).

It differs from the radiant flux which, on the other hand, measures the total power of electromagnetic radiation emitted (infrared, ultraviolet and visible light).

Closely related to the luminous flux is the concept of **luminous efficiency**. Luminous efficiency is the ratio between the flux emitted by the source and the energy required to produce it. In this way, we can determine the difference in efficiency between one lamp and another, in terms of energy savings.



LUMINOUS INTENSITY

Luminous intensity (I) is the amount of light emitted by a point source in a certain direction per unit solid angle. It is measured in candelas (cd).

In the International System, luminous intensity is considered the fundamental quantity for photometric measurements from which all others are derived.

Luminous intensity is, therefore, the ratio between the flux emitted (Φ) and the solid angle cone in which the beam (ω) is included.

$$I = \Phi / \omega$$

ILLUMINANCE

Illuminance (E) is the result of the relationship between the luminous flux (Φ) emitted by a source and the illuminated surface area S ($E = \Phi/S$).

The unit of measurement of illuminance is the lux (lx), which is defined as the illuminance produced on a surface perpendicular to the rays from a source placed at a distance of 1 metre with the luminous intensity of one candela.

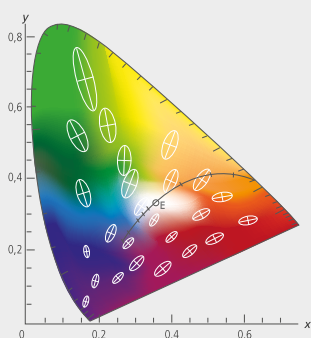
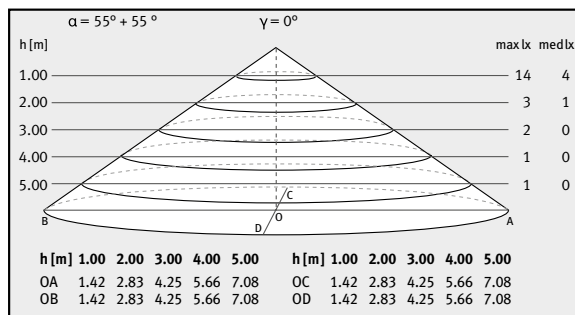
This quantity is used in both indoor and outdoor lighting engineering and legislation on health and safety in the workplace.

CRITICAL ANGLE OF RADIATION

The critical angle of radiation describes the angle in the case where the luminance per unit is below a certain value and it is necessary to evaluate glare limits.

HALF PEAK INTENSITY ANGLE

The size of the half peak intensity angle refers primarily to lighting luminaires such as **spotlights** and **reflectors**. It describes the angle at which the luminous intensity becomes equal to half the maximum intensity emitted.



CIE 1931 Diagram

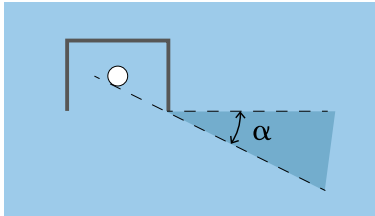
In 1931, the Commission Internationale de l'Eclairage (International Commission on Illumination) defined a colour space that includes all the colours visible to the human eye, i.e. electromagnetic radiation with wavelengths between 380 nm (ultraviolet) and 780 nm (infrared).

The curve of this model delimits the range of visible colours, from violet to red, and reproduces a figure that is almost triangular. At the centre of this triangle is the point E, known as the achromatic point, which represents the area conventionally called white light, even if in variable hues: cooler (blue, 6,500 K) or warmer (yellow/red, 3,200 K).

SHIELDING ANGLE

Light sources can cause **glare** and impair the vision of objects. This must be prevented by properly shielding lamps.

Legislation relating to indoor lighting includes minimum shielding angles for luminaires.



Lamp luminance in cd/m ²	Minimum shielding angle
20.000 to < 50.000 e.g. fluorescent lamps (high output) and compact fluorescent lamps	15°
50.000 to < 500.000 e.g. high-pressure discharge lamps and incandescent lamps with matt and inside-coated bulbs	20°
≥ 500.000 e.g. high-pressure discharge lamps and incandescent lamps with clear bulbs	30°



LUMINANCE LIMITS FOR LIGHTING WORKSTATIONS WITH COMPUTERS

In lighting **workstations with computers**, limits are set for the average luminance of the luminaire at elevation angles greater than 65° from the vertical.

For workstations using screens that are vertical or tilted by up to 15°, the limits are:

Screen high state luminance	High luminance screen $L > 200 \text{ cd/m}^2$	Medium luminance screen $L \leq 200 \text{ cd/m}^2$
CASE A (positive polarity and normal requirements concerning colour and details of the shown information, as used in office, education, etc.)	$\leq 3.000 \text{ cd/m}^2$	$\leq 1.500 \text{ cd/m}^2$
CASE B (negative polarity and/or higher requirements concerning colour and details of the shown information, as used for CAD colour inspection, etc.)	$\leq 1.500 \text{ cd/m}^2$	$\leq 1.000 \text{ cd/m}^2$
NOTE: Screen high state luminance (see EN ISO 9241-302) describes the maximum luminance of the white part of the screen and this value is available from the manufacturer of the screen.		

LUMINANCE

Luminance (L) is the ratio between the luminous intensity in a certain direction and the projection of the area of emission onto a plane perpendicular to the direction of observation. It therefore represents that value the parameter of which provides an indication of how an environment or surface will appear illuminated to our eye. Luminance is independent of the direction of observation only in the case where the surface is Lambertian.

It is expressed in cd/m².



COLOUR TEMPERATURE

Colour temperature is used in lighting engineering to identify the **hue of light**. Its unit of measurement is the kelvin (K). The spectrum of light emitted by a black body has a peak emission determined by its temperature. This same principle can be applied to a light source even though it differs from the black body. The colour temperature of a given light radiation is therefore considered as the temperature that a black body should have so that the light radiation emitted by it is chromatically as similar as possible to the radiation considered. For example a temperature of about 2,000 K will give a yellow-orange colour. Lowering this threshold, we will have red and afterwards infrared, i.e. wavelengths that are no longer visible to the human eye. Increasing the temperature, on the other hand, will gradually give a whiter light until reaching blue-violet and finally ultraviolet. In brief, a warm light will have a low colour temperature and a cool light will have a high colour temperature.

UNITS OF MEASUREMENT

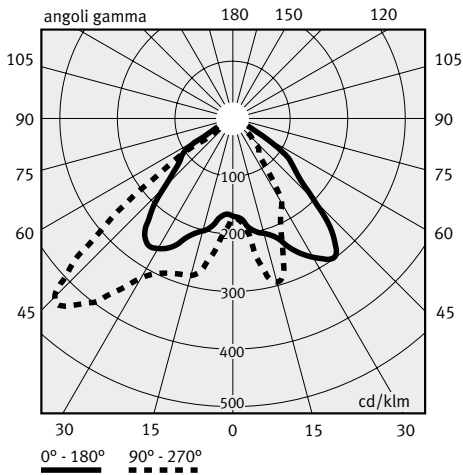
Quantity	Radiometric	Photometric
power	watt (W)	lumen (lm)
power per unit area	W/m²	lm/m² = lux (lx)
power per unit solid angle	W/sr	lm/sr = candela (cd)
power per area per solid angle	W/m² · sr	lm/m² · sr = cd/m² = nit

LOR

LOR (light output ratio) is the ratio between the flux emitted by the luminaire and the total flux of the lamp contained in it (Φ_u/Φ_{tot}). Being a ratio of two quantities of the same type, LOR is generally expressed as a **percentage**.

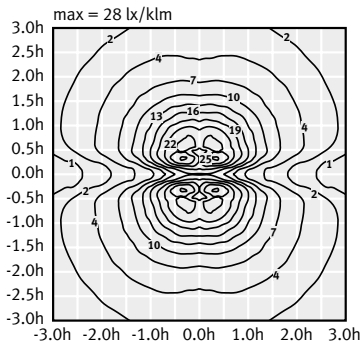
PHOTOMETRIC CURVES

Photometric curves consist of a two-dimensional representation (vertical planes passing through the optical centre of the luminaire) of the photometric solid i.e. the intensity emitted in all directions from the light source. The luminous intensity distribution is normally represented in the two main planes that are perpendicular to each other.



ISOLUX CURVES

Isolux curves represent the union of the points of the plane having the same value of illuminance (lux).



WARM LIGHT

Low colour temperature

COOL LIGHT

High colour temperature



LIGHT POLLUTION

Light pollution is characterised by the highest emission ratio that represents the percentage of luminous flux emitted in the upper hemisphere in relation to the total flux emitted.

In Italy the **UNI 10819 standard** prescribes the requirements of outdoor lighting installations based on the classification of installations and areas. There are also a number of existing regional regulations featuring measures related to saving energy used for outdoor light and the fight against light pollution.

In the **absence of a PRIC (Municipal Lighting Plan)** the UNI 10819 standard provides the following requirements:

Type of installation	Rn%		
	ZONE 1	ZONE 2	ZONE 3
A road	1	3	3
A Non-road, B, C, D	1	9	23

If there is a **PRIC**:

Type of installation	Rn%		
	ZONE 1	ZONE 2	ZONE 3
A, B, C, D	1	5	10
E	Not permitted	Permitted if subject to a regulated timetable	Permitted

Installation classification:

- **A:** Installations in which security is paramount.
(e.g. street lighting, public green areas, risk areas, large areas)
- **B:** Sports facilities, shopping and recreational centres, private installations and parks
- **C:** Installations of environmental and monumental interest
- **D:** Advertising installations
- **E:** Temporary and decorative installations
(e.g. Christmas lights)

Zone classification:

- **ZONE 1:** protected zone with a radius from the centre of observation of 5 km
- **ZONE 2:** protected zone around zone 1 or around national and/or popular observatories with a radius from the centre of observation of 5, 10, 15 or 25 km depending on the importance of the centre
- **ZONE 3:** area not classified as zone 1 or 2

Regional laws relating to light pollution normally impose more stringent restrictions. Each region has special provisions which differ from region to region.



IDENTIFYING AND CLASSIFYING THE OPTICS

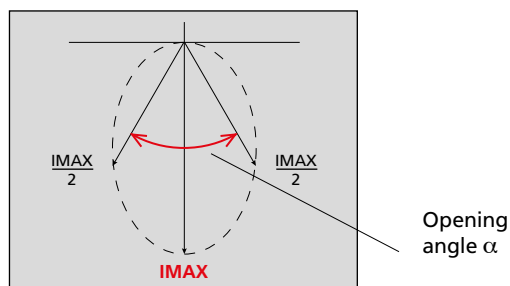
Performance in Lighting luminaires offer different types of optics depending on project requirements.

The optic can be identified as the set of equipment designed to direct the light generated by a light source in a particular direction, thus determining the luminous emission of the luminaire itself.

Depending on this luminous emission, Performance in Lighting classifies optics in the following categories:

- Circular (or roto-symmetrical) optics
- Elliptical optics
- Symmetric optics
- Asymmetric optics
- Road optics
- Optics for pedestrian/cycle paths
- Optics for pedestrian crossings

The diagram below identifies the data that will be contained in subsequent pages, regarding the opening angle of the beam.



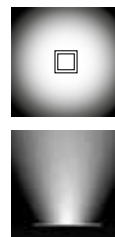
IMAX = maximum luminous intensity, i.e. the maximum intensity of the emitted light beam.

Opening angle of the light beam = angle in a plane passing through the axis of the beam limited by the directions of the luminous intensities equal to 50% of the I_{max} .

Based on the opening value α , we can find intensive, medium or wide optics.

By convention we consider/classify:

Type of beam opening (α)		Identification marking
Intensive	$(0^\circ \leq 20^\circ)$	I
Medium	$(21^\circ \leq 45^\circ)$	M
Wide	$(46^\circ \leq 75^\circ)$	W
Extra Wide	$(>75^\circ)$	EW



CIRCULAR OPTICS

Performance in Lighting identifies those optics that generate a luminous emission with a symmetry of revolution about the A axis as circular optics.

The opening angle of the beam is generally constant in all planes.

The reflectors generating these optics generally have a circular opening.

EXAMPLE

Circular optic code: C/xx

where:

C = Circular

xx = the abbreviated name of the opening angle

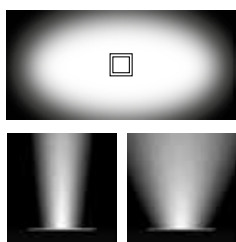
For example: C/I - C/M - C/W - C/EW

Multiple optics within the same range of opening will be distinguished by inserting the numerical value of the beam opening at the end.

For example: C/W45 - C/W60

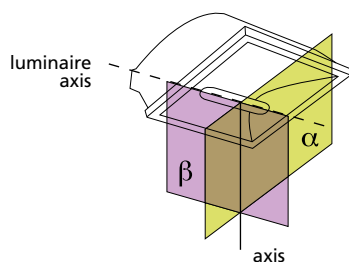
CIRCULAR OPTIC NAME		
Mandatory indications		Additional indications
Type of optic	Type of opening	Angolo di apertura
C	I	$0^\circ \div 20^\circ$
	M	$21^\circ \div 45^\circ$
	W	$46^\circ \div 75^\circ$
	EW	over 75°





ELLIPTICAL OPTICS

For Performance in Lighting, elliptical optics are circular but differ from roto-symmetrical circular optics because the opening of the light beam on planes α and β is symmetric, but differs greatly between the two. The light distribution is highly elliptical.



EXAMPLE

Elliptical optic code: E α x β

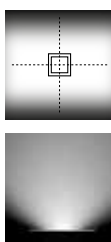
where:

E = Elliptical

α = Opening of the light beam on plane α expressed in degrees

β = Opening of the light beam on plane β expressed in degrees

For example: E 10°x45°



SYMMETRIC OPTICS

For Performance in Lighting, symmetric optics are ones with symmetric emission in relation to planes α and β .

The symmetry between the two planes may be either identical

(in this case we are dealing with optics with square light distribution) or different (optics with rectangular light distribution).

EXAMPLE

Symmetric optic code: S/xx

where:

S = Symmetric

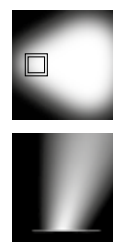
xx = the abbreviated name of the opening angle

For example: S/I - S/M - S/W - S/EW

By convention, we consider the beam opening of plane α .

Multiple optics within the same range of opening will be distinguished by inserting the numerical value of the beam opening at the end.

For example: S/W50 - S/W60



ASYMMETRIC OPTICS

For Performance in Lighting, asymmetric optics generally have asymmetric light distribution on plane α with a point of maximum concentration.

The axis passing through the point of maximum concentration and the point marked by the axis of the lamp is called the I_{max} axis.

The light distribution on plane β , on the other hand, may be symmetric or asymmetric.

An asymmetric optic may be symmetric in relation to one plane only.

EXAMPLE

Asymmetric optic code: Ayy/xx

where:

A = Asymmetric

yy = numeric value of the I_{max} angle.

The I_{max} angle is the angle between axis A and the I_{max} axis.

xx = the abbreviated name of the opening angle

For example: Ayy/I - Ayy/M - Ayy/W - Ayy/EW.

By convention, the beam opening of plane α is considered.

For example:

A30/M = Asymmetric axis with I_{max} 30° and Medium opening

A45/I = Asymmetric axis with I_{max} 45° and Intensive opening

In the presence of multiple asymmetric optics with the same I_{max} value and same beam opening range, it will be necessary to distinguish them by adding the numeric value of the beam opening at the end.

For example: A45/M25 - A45/M40

SYMMETRIC OPTIC NAME		
Mandatory indications		Additional indications
Type of optic	Type of opening	Opening angle plane α
S	I	0° ÷ 20°
	M	21° ÷ 45°
	W	46° ÷ 75°
	EW	over 75°

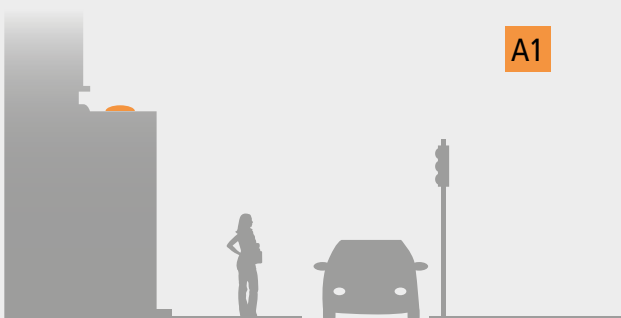
ASYMMETRIC OPTIC NAME			
Mandatory indications			Additional indications
Type of optic	I_{max} angle	Type of opening	Opening angle plane α
A	Numeric value of the I_{max} angle	I	0° ÷ 20°
		M	21° ÷ 45°
		W	46° ÷ 75°
		EW	over 75°





A1

A2



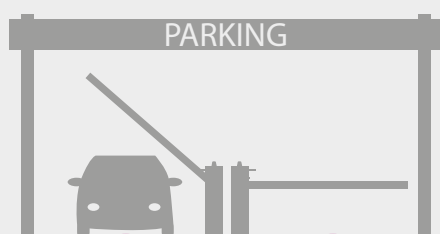
INSTALLATION AREAS FOR IN-GROUND LUMINAIRES

The European standard **EN 60598-2-13** defines the areas suitable for installing in-ground luminaires according to the static load, the protrusion from the ground of the diffuser and the temperature of the diffuser itself. These luminaires make it possible to determine whether the luminaire is suitable for specific situations (transit of vehicles, pedestrian pathways, play area etc.).

To facilitate luminaire selection, the following pages shows the code of the areas in which installation is permitted, according to the aforementioned standard and the technical specifications, for each individual product.

INSTALLATION AREA	P Static load (kN)	H Height (mm)	T Temperature (°C)
A1 NO TOUCH AREA installation area inaccessible to persons and vehicles	(not applied)	(not applied)	(not applied)
A2 AREA SUBJECT TO FOOT TRAFFIC installation area with limited access ($h \leq 5 \text{ mm}$) (e.g. areas reserved for pedestrians, cyclists etc.) in areas not subject to foot traffic ($h \leq 25 \text{ mm}$) (e.g. near walls, buildings etc.)	$\geq 5 \text{ kN}$	$\leq 5 \text{ mm} / \leq 25 \text{ mm}$	$\leq 100^\circ \text{ C}$
A3 AREA SUBJECT TO VEHICLE TRAFFIC installation area accessible to vehicles (e.g. areas subject to vehicle traffic, car parks etc.)	$\geq 20 \text{ kN}$	$\leq 75 \text{ mm}$	$\leq 80^\circ \text{ C}$
A4 AREA SUBJECT TO VEHICLE TRAFFIC PLUS installation area accessible to snow plows or where de-icing agents are used in areas not subject to foot traffic ($h \leq 25 \text{ mm}$) (e.g. near walls, buildings etc.)	$\geq 20 \text{ kN}$	$\leq 5 \text{ mm} / \leq 25 \text{ mm}$	$\leq 80^\circ \text{ C}$
A5 AREA SUBJECT TO FOOT TRAFFIC TOUCH special installation area where operating temperatures can cause injury (e.g. environments for children, swimming pools etc.) in areas not subject to foot traffic ($h \leq 25 \text{ mm}$) (e.g. near walls, buildings etc.)	$\geq 5 \text{ kN}$	$\leq 5 \text{ mm} / \leq 25 \text{ mm}$	$\leq 40^\circ \text{ C}$

A3



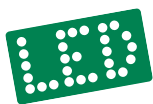
A4



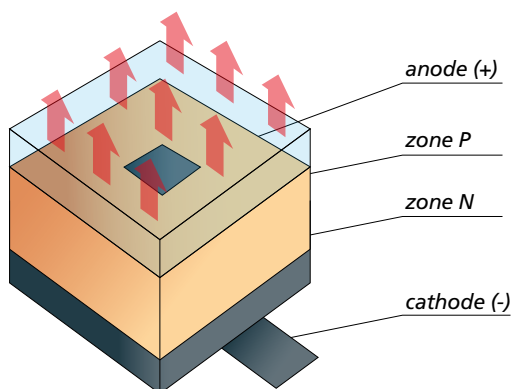
A5



A RENEWED PHILOSOPHY OF WORKING



Following on from our first LED products, produced in the mid-nineties, designed to mark and light pedestrian pathways, the Performance in Lighting Group has adopted a renewed, **electronic oriented philosophy of working**. With our own on site laboratory and highly qualified personnel, we have developed LED fittings that are highly efficient, reliable and of high quality. Our close **collaboration with the best LED manufacturers** (CREE, CITIZEN, SEOUL, LUMILEDS and OSRAM), has combined with our expertise in the world of lighting fittings, enabling innovative solutions in terms of optical and thermal performance to be developed. The use of LEDs in the Performance in Lighting fittings has required **research and development** into new areas alongside electronics, which has resulted in the creation of efficient and reliable lighting fittings, as is the tradition of the Group.



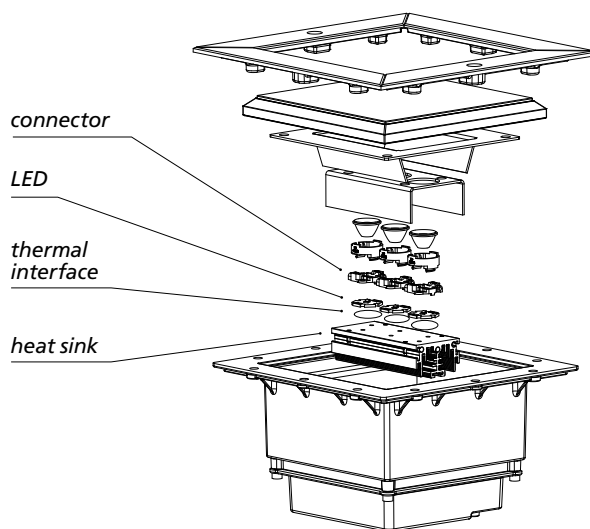
WHAT IS A LED?

A **LED (Light Emitting Diode)** is an electronic component with a "P-N" semiconductor junction which, if a current passes through it, can emit photons in the form of light radiation. This phenomenon is called **electroluminescence**. Depending on the type of construction of the LED board, it can operate with either **constant current** or **constant voltage**.

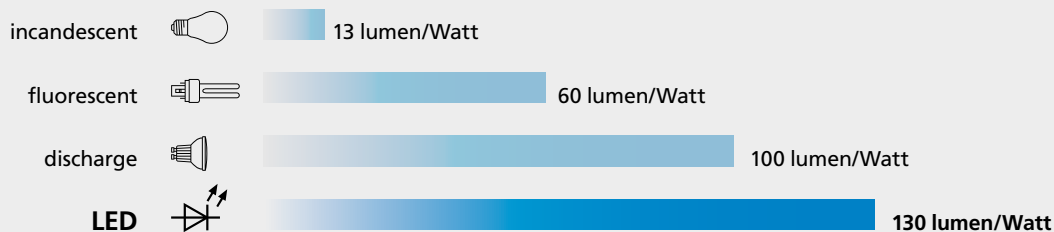
THE ADVANTAGES OF PERFORMANCE IN LIGHTING LED FITTINGS

The advantages of Performance in Lighting LED fittings have been developed in close collaboration with major LED manufacturers. This brings many benefits:

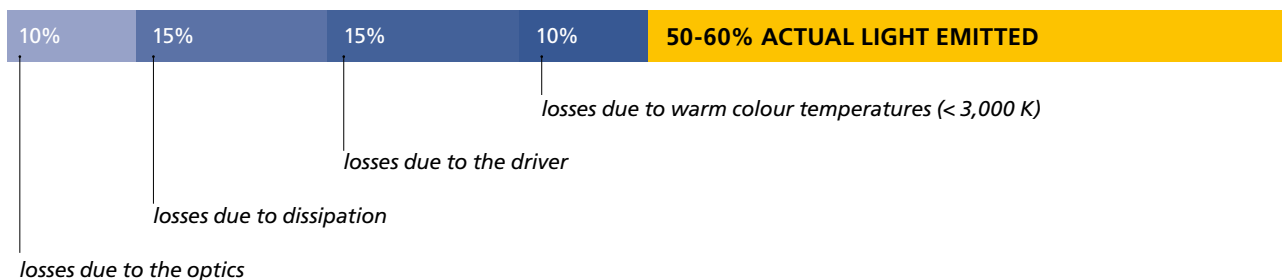
1. Careful design of the whole **LED+thermal interface+heat sink+ballast** system.
2. **Painstaking thermal monitoring** of all LED developments which, compared to traditional light sources, require control and testing times that are 30% longer. This ensures reliability, durability, safety and photometric performance in line with sector standards.
3. The development of **high reflection aluminium optics**, or high efficiency thermoplastic materials.
4. An **accurate heat dissipation system**, tested and optimised in our laboratory at the research stage, able to respect and guarantee the performance and durability declared by LED manufacturers.
5. The ability to provide intelligent products, designed to integrate with existing **communication or bus management systems** (such as DALI or DMX).
6. A **consultancy and analysis service** for special customer requests.
7. The ability to simulate and **develop specific optics**, meeting the various design requirements and **using dedicated software**.
8. The ability of our **Technical Department** to define the layouts of the printed circuit boards for LEDs as regards the materials, the insulation and the distances in air in accordance with industry standards.



LUMINOUS EFFICACY



100% Lumen declared by the LED manufacturers



LUMINOUS EFFICACY

Whilst for fittings with traditional light sources, we speak about performance, for fittings with LED light sources, we use the term luminous efficacy, which indicates the ratio between **the power absorbed and the amount of light emitted by the lighting fitting**.

Luminous efficacy is expressed in lumens/W (lm/W).

An incandescent lamp has a luminous efficacy of 13-15 lm/W, while for a fluorescent lamp it is 60-70 lm/W and a gas discharge lamp 100-110 lm/W.

The current luminous efficacy of a LED chip is approximately 130 lm/W, but as it is a source that is constantly evolving, we can still expect **ongoing, significant improvement**.

The luminous efficacy used to describe the LED board is measured in **optimum operating conditions**, without the constraints that inserting a lighting fitting inevitably involves.

In fact, even in the presence of correct heat dissipation, we nevertheless experience a loss of output of 6-10% (poor dissipation can result in a loss of output of 50% and a reduction in the duration of the LEDs).

Excessive temperature also affects the correct operation and durability of the driver, and leads to a reduction in the output of about 15%.

If the LED light source requires an optic, we should expect a further decrease in output of 10-15%.

In addition, LED manufacturers tend to highlight the luminous efficacy obtained with LEDs with cool colour temperatures, but warm tones cause a further drop in output of 10%.

It follows that a **LED light fitting can emit 50-60% of the actual light emitted by the LEDs** (or LED modules).

As the rated lm/W declared by the LED manufacturers is theoretical data, it is important to focus on the actual performance of the fitting.

It is recognised that **there is no correlation between a better performing LED and a better performing fitting, but there are simply fittings with varying levels of efficiency and reliability**, the result of consolidated company expertise, which never loses sight of clear price and market objectives



ENERGY SAVINGS

Comparing LEDs with conventional light sources, you may notice that they consume about 80/90% less than traditional incandescent lamps and about 30/40% less than fluorescent lamps.

From an energy saving viewpoint, we can say that LEDs, compared to traditional light sources **with the same power consumption, emit more light, or, with the same level of light emission, consume less**.

In addition, if used in a properly designed fitting with good heat dissipation, the LED ensures significant **maintenance costs**, with regards to its **longer life** and reduced **disposal costs**.

ENERGY SAVINGS



THERMAL INTERFACES (THERMAL MANAGEMENT)

In order to achieve good heat dissipation, it is necessary to provide optimal conditions for coupling and heat transfer between the LED board and the heat sink itself.

For this reason, Performance in Lighting LED fittings are equipped with **specific thermal interfaces, known as gap fillers**, positioned between the LED board and the heat sink device, to ensure perfect, continuous thermal contact between the two components.

These gap fillers may be made using different materials and technologies according to the different thermal regimes, the nature of the materials and the environment in which the fitting is installed.

Excessive temperatures have a negative effect on the duration of the LEDs, but also on electrical parameters such as the emitted wavelength, the colour temperature (CCT) of the LED, the direct voltage drop (V_f = Forward voltage) and its efficiency.

To overcome this problem, the thermal resistance between the junction and the outside of the container must be as low as possible.

For this reason, Performance In Lighting uses **high-tech thermal interfaces, such as graphite or phase change material (PCTIM- Phase Change Thermal Interface Material)**.

This is a special film interposed between the LED board and the heat sink which, once the operating temperature, has been reached, changes state (from solid to viscous), enabling perfect filling of all imperfections on the surface on which it rests. This therefore eliminates harmful "air bubbles", typical of thermally conductive pastes, and the difficulties of applying the thermally conductive double-sided adhesive (a fingerprint on the double-sided adhesive compromises the effectiveness by more than 20%).

HEAT DISSIPATION

In order to work with electrical and thermal parameters that safeguard its durability, the LED must have **proper heat dissipation**.

Active or passive dissipation mechanisms must therefore be in place to ensure it is possible to extract the heat and then disperse into the fitting or surrounding environment as uniformly as possible.

The correct thermal operating regime is achieved by developing supports with suitable dissipating geometries according to the type of LED, the material used, the fitting, the assembly position and its level of seal.

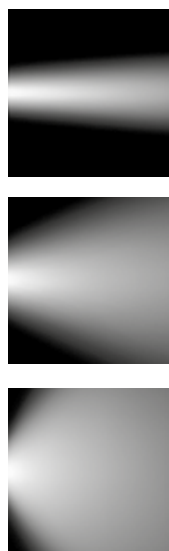
The long-established on-site Performance in Lighting laboratory has been testing, researching and evolving in the field of electro-thermal LED measurements for ten years, with **internal test protocols that go beyond the normal standards prescribed in the regulations**.

OPTICS

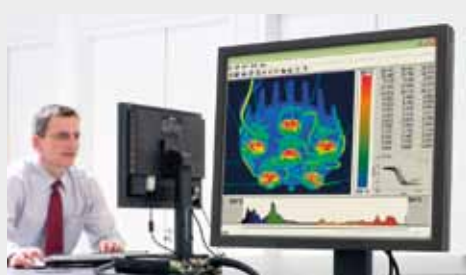
Power-LEDs generally come in two types: **as a point source or as a module**. Both types, depending on their characteristics, can be integrated into a particular design or optic designed for a specific purpose.

These narrow or wide beam optics consequently modify the beam of light emitted, unless action is taken by designing an optic to achieve asymmetric beams that perform many different tasks (street lighting, wall-washer...)

Each photometric curve released is the result of photometric surveys and analysis carried out in the PIL Group **photometric laboratories**, equipped with two "T2" and one "moving head" goniophotometers.



Performance in Lighting has developed different types of heat sink to adapt to the technical requirements of each product.





COOL WHITE

WARM WHITE

NEUTRAL WHITE

THE COLOURS OF WHITE

Unlike conventional light sources, with LEDs, you can choose the shade of white light that best suits the various environments of use.

COOL WHITE shade

(cool white: > 5000 K)

This is particularly suitable for outdoor applications, for high flux and high brilliance.

WARM WHITE shade

(warm white: < 3300 K)

This is a comfortable warm light which, by mimicking the emission of the incandescence, adapts to indoor environments.

NEUTRAL WHITE shade

(neutral white: 3300/5000 K)

This is the right balance between brightness, tone and colour rendering, often required when adding to or combining with existing light sources.

LED light is nevertheless always free of ultraviolet or infrared emissions: ensures high colour rendering and does not cause colour change on the illuminated element. The place, the object to be illuminated or enhanced, the way in which the light is diffused and the desired result naturally have a direct impact on the type of light to be used.

CHEAPER RUNNING COSTS

Against a higher initial cost, LED fittings provide **savings over time** in terms of both system maintenance costs, dramatically reducing the need to replace the light sources, and energy consumption

TRADITION RENEWED

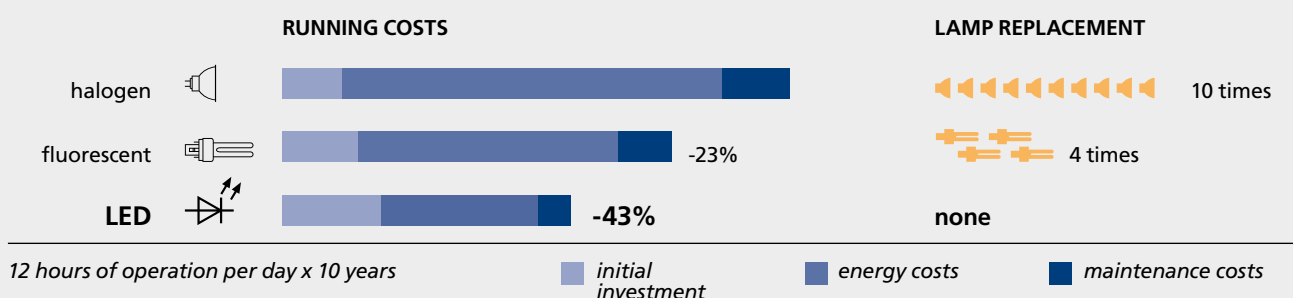
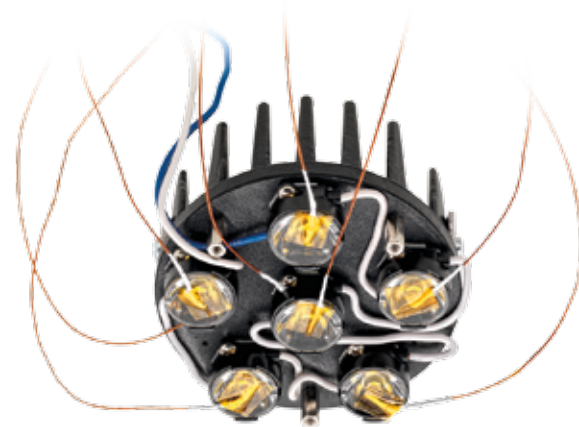
Continuing with our tradition based on the reliability of the product, service, safety and security, we took on the challenge and opportunities offered by these **new light sources**.

For Performance in Lighting, it has always been a priority to ensure a technically advanced, reliable and safe product, with performance that meets the expectations of our customers.

Many of the Group's long-established products were therefore studied and suitably modified to combine tradition with technological innovation.

We are now able to offer solutions with **MULTICHIP-LED** light sources (easy solution) and ensure effective energy savings, obtained by complying with the quality and performance-related targets that make Performance in Lighting stand out.

Thanks to a long testing period in the laboratory, even for the classic products now available in a LED version, Performance in Lighting offers a **5-year warranty** on performance and reliability.



PROTECTION CLASSES



IP20

Protection against solid objects greater than 12 mm. No protection against water.



IP40

Protection against solid objects greater than 1,0 mm. No protection against water.



IP41

Protection against solid objects greater than 1,0 mm. Protection against vertically falling water drops.



IP43

Protection against solid objects greater than 1,0 mm. Protection against spraying water.



IP44

Protection against solid objects greater than 1,0 mm. Protection against splashing water.



IP54

Dust-protected.
Protection against splashing water.



IP55

Dust-protected.
Protection against water jets.



IP64

Dust-tight.
Protection against splashing water.



IP65

Dust-tight.
Protection against water jets.



IP66

Total dust protection and total protection against hard splashing water.



IP67

Dust-tight.
Protection against the effects of temporary immersion.

TECHNICAL CHARACTERISTICS



Functional insulated luminaire with earthing facility. Class I luminaires feature an earth terminal which is marked with the earth symbol .



Luminaire with security earthing.



Class II luminaire.
Reinforced or double insulated luminaire without earth protection.



Class III luminaire.
SELV (Safety Extra Low-Voltage) luminaire which can only be fed by an extra low voltage supply (i.e. less than 50 Volts). Class III luminaires may not be earthed.



Luminaires bearing this symbol can be mounted on normally flammable surfaces.



Luminaires bearing this symbol must use self-protected lamps only.



Minimum distance between the lit object and the luminaire.



Dimension of the hole to be drilled in the false ceiling.

IK06 0,5J

Code identifying the degree of protection provided by enclosures for electrical equipment against external impacts and related energy. CEI EN 50 102.



Mechanical resistance to impacts of the diffuser (expressed in Joules and the third digit) according to the French Norm NF.C 20 - 010

ILCOS CLASSIFICATION

The ILCOS classification grants to the principal lighting sources an unequivocal, standard and worldwide code based on the IEC/TS 61231 technical specification.

ILCOS		Old Denomination
FD		T8
FDH		T5
FSC		T9
		T5
FSD		–
		–
FSM		/T
FSQ		–
FBT		–
FBC		(Gx53)
FSS		2D
		Dulux Flat
TC-DD		2D
HAG		Halopar 20 (aluminium coated)
		Halopar 30 (aluminium coated)
		Halogen 230V (aluminium coated)
		Halogen 12V (aluminium coated)
		Tube lamp
HAG ES111		Halogen ES 111
HDG		Halogen (l. 114,2 mm)
		Halogen (l. 74,9 mm)
HMG5		–
		–
HRG		Halopar 20 (dichroic)
		Halopar 30 (dichroic)
		Halogen 230V (dichroic)
		Halogen 12V (dichroic)

ILCOS		Old Denomination
HSG		Halogen 12V
		Halogen 230V Halopin
		Halogen 230V
HRGS		Halogen ES 111 (dicroico)
IAA		–
IBP		40 mm Golf bulb
		40 mm Golf bulb
IBS		Pygmy
IBT		–
IPAP		PAR 38
MD		JM/TS
ME		JM
MRS/UB		JM 111
		JM
MT		JM
		JM
CDM-TM		–
CMH-MR16		–
PAR 20		–
SDW-TG		–
QE		Mercury
SE		SON
		SON/E
		SON/I
ST		SON/T



THE ENEC SYMBOL

(European Norms Electrical Certification)
European symbol which guarantees conformity to EU norms and allows free circulation of the products within the EU. The ENEC symbol is a

guarantee of safety and of the quality of the factory; it is the only symbol recognised and accepted throughout the whole of Europe as regards conformity of the luminaire and the components. ENEC marked luminaires

and components have been tested by a Third Party Certification Laboratory to European safety and performance norms. Companies which offer ENEC marked products also apply a Quality System which conforms to the requirements of UNI EN ISO 9002.

NATURAL METALS

chrome		CR1
sanded chrome		CR2
stainless steel		SS1
polished aluminium		PA1
stainless steel/white LED		SS1+WHL
stainless steel/blue LED		SS1+BLL
stainless steel/amber LED		SS1+AML

white		WH1
black		BK1
grey		GR1
gloss met. grey		GR2
mat met. grey		GR3
gloss met. anthracite		AN2
mat met. anthracite		AN3
titanium		TN1
bronze		BZ1
rust brown		RB1

PAINTED

white/white LED		WH1+WHL
white/blue LED		WH1+BLL
white/yellow LED		WH1+YLL
white/red LED		WH1+RDL
white/green LED		WH1+GNL
grey met./white LED		GR2+WHL
grey met./blue LED		GR2+BLL
mat met. grey /white LED		GR3+WHL
mat met. grey /blue LED		GR3+BLL

ANODISED

black anodized		BK4
grey anodized		GR4
blue anodized		BL4
black anodized/white LED		BK4+WHL
grey anodized/white LED		GR4+WHL
grey anodized/RGB LED		GR4+RGB

ACCESSORIES

red		RD1
yellow		YL1
green		GN1
blue		BL1



A B C	

COMPLETE UNIT

1A+1B+1C = please order 3 codes

COMPONENTS	
A	mask
B	housing
C	post

For products that must be mounted on a post, bracket, track or recessed into the wall, it is often necessary to order several different parts (codes) to get the complete configuration. In these cases, we have provided tables with examples that illustrate the combinations.



SUPERBLIZ

design R. Fiorato, F. Pagliarini

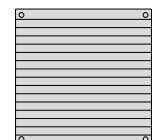
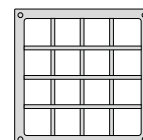
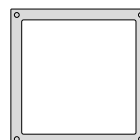
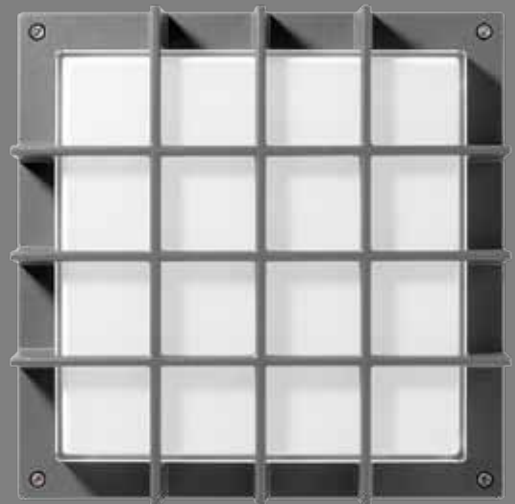
Range of indoor and outdoor wall and ceiling mounted fittings for general area lighting supplied with different screen options.

SUPERBLIZ comprises a pressed glass cover internally painted.

The cover screens and body are manufactured from die-cast aluminium. The SUPERBLIZ/G version comes with a cage cover screen, whereas the SUPERBLIZ GRILL version has a front cover grill. The aesthetics are complemented by high quality materials such as glass and painted aluminium which are highly corrosion resistant.

An opal polycarbonate version is available as an alternative, which provides a high level of resistance to mechanical impact IK10.

The clean contemporary geometric lines and range of colours makes the SUPERBLIZ suitable for a variety of residential and public area lighting.



SUPERBLIZ

SUPERBLIZ

	E27	max 2x33 W FBT
	2G11	2x18 W FSD
	GX24q-3	1x32 W FSM

SUPERBLIZ EM/3P

	GX24q-3	1x32 W FSM
--	---------	------------

Wall and ceiling mounted indoor or outdoor fitting comprising:

- Painted die-cast aluminium body, ring, cage and grid
- Pressed glass diffuser, painted inside
- White painted steel gear tray
- Silicone gasket
- Stainless steel fastening screws
- The DA models are dual circuit switching versions, designed with two ballasts in parallel, for two separate power lines
- The EM/3P version is a 3hr self contained maintained emergency fitting complete with two 3 cell 3.6V 4Ah NiCd + 2Cell 2.4V 4Ah NiCd. Charging time 24hr
- Polycarbonate diffuser available as an accessory to be ordered separately



lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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SUPERBLIZ

E27	max 2x33 W	FBT	GR3	I	65	•						IK07 2J xx5	301566
E27	max 2x33 W	FBT	AN3	I	65	•						IK07 2J xx5	301567
E27	max 2x33 W	FBT	RB1	I	65	•						IK07 2J xx5	301568

Fluorescent - electronic ballast 220/240 V 50/60 Hz

2G11	2x18 W	FSD	GR3	I	65	•						IK07 2J xx5	•	A2	301569	
2G11	2x18 W	FSD	AN3	I	65	•						IK07 2J xx5	•	A2	301570	
2G11	2x18 W	FSD	RB1	I	65	•						IK07 2J xx5	•	A2	301571	
2G11	2x18 W	FSD	GR3	I	65	•						IK07 2J xx5	•	A2	301572	
2G11	2x18 W	FSD	AN3	I	65	•						IK07 2J xx5	•	A2	301573	
2G11	2x18 W	FSD	RB1	I	65	•						IK07 2J xx5	•	A2	301574	
GX24q-3	1x32 W	FSM	GR3	I	65	•						IK07 2J xx5	•	A2	301560	
GX24q-3	1x32 W	FSM	AN3	I	65	•						IK07 2J xx5	•	A2	301561	
GX24q-3	1x32 W	FSM	RB1	I	65	•						IK07 2J xx5	•	A2	301562	

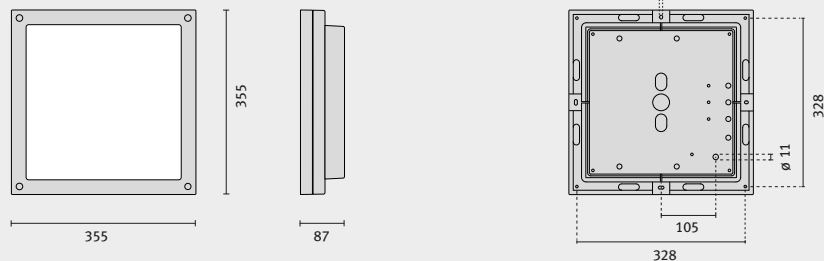
SUPERBLIZ EM/3P

Emergency - electronic ballast

GX24q-3	1x32 W	FSM	GR3	I	65	•						IK07 2J xx5	•	A2	301563	
GX24q-3	1x32 W	FSM	AN3	I	65	•						IK07 2J xx5	•	A2	301564	
GX24q-3	1x32 W	FSM	RB1	I	65	•						IK07 2J xx5	•	A2	301565	

description	colour code
Polycarbonate diffuser pc SUPERBLIZ	310255

GR3 AN3 RB1





1 emergency - 1 hour
2 emergency - 2 hours
3 emergency - 3 hours
4 double switch-on

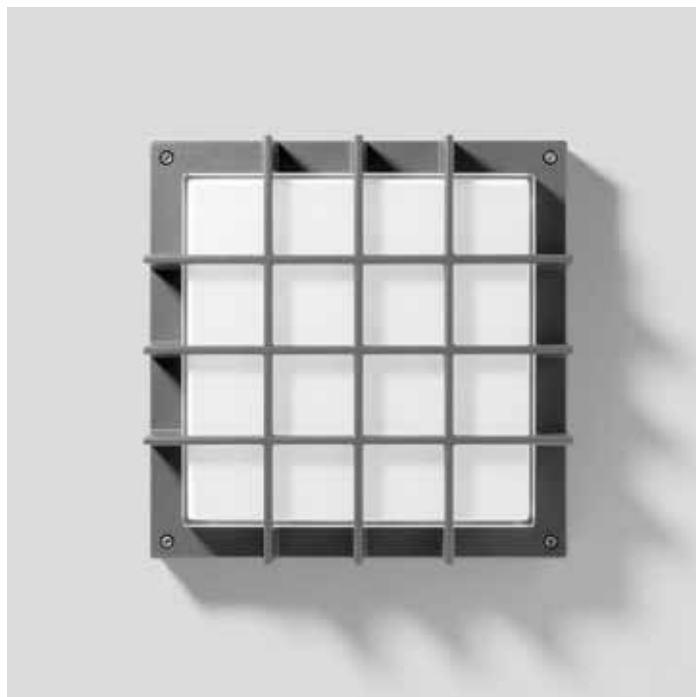
SUPERBLIZ/G

SUPERBLIZ/G

	E27	max 2x33 W FBT
	2G11	2x18 W FSD
	GX24q-3	1x32 W FSM

SUPERBLIZ/G EM/3P

	GX24q-3	1x32 W FSM
--	---------	------------



lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos ϕ $\geq 0,9$	EEL	code	notes
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SUPERBLIZ/G

E27	max 2x33 W	FBT	GR3	I	65	•	IK07 2J xx5				301581	
E27	max 2x33 W	FBT	AN3	I	65	•	IK07 2J xx5				301582	
E27	max 2x33 W	FBT	RB1	I	65	•	IK07 2J xx5				301583	

Fluorescent - electronic ballast 220/240 V 50/60 Hz

2G11	2x18 W	FSD	GR3	I	65	•	IK07 2J xx5	•	A2		301584	
2G11	2x18 W	FSD	AN3	I	65	•	IK07 2J xx5	•	A2		301585	
2G11	2x18 W	FSD	RB1	I	65	•	IK07 2J xx5	•	A2		301586	
2G11	2x18 W	FSD	GR3	I	65	•	IK07 2J xx5	•	A2		301587	
2G11	2x18 W	FSD	AN3	I	65	•	IK07 2J xx5	•	A2		301588	
2G11	2x18 W	FSD	RB1	I	65	•	IK07 2J xx5	•	A2		301589	
GX24q-3	1x32 W	FSM	GR3	I	65	•	IK07 2J xx5	•	A2		301575	
GX24q-3	1x32 W	FSM	AN3	I	65	•	IK07 2J xx5	•	A2		301576	
GX24q-3	1x32 W	FSM	RB1	I	65	•	IK07 2J xx5	•	A2		301577	

SUPERBLIZ/G EM/3P

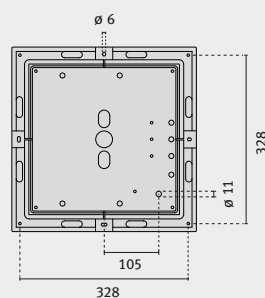
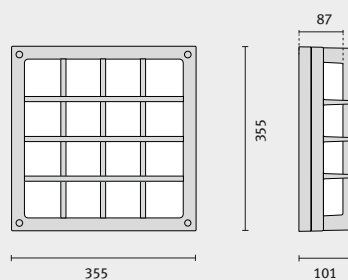
Emergency - electronic ballast

GX24q-3	1x32 W	FSM	GR3	I	65	•	IK07 2J xx5	•	A2		301578	
GX24q-3	1x32 W	FSM	AN3	I	65	•	IK07 2J xx5	•	A2		301579	
GX24q-3	1x32 W	FSM	RB1	I	65	•	IK07 2J xx5	•	A2		301580	

GR3

AN3

RB1



SUPERBLIZ GRILL

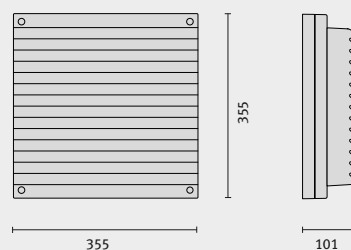
	E27	max 2x33 W FBT
	2G11	2x18 W FSD
	GX24q-3	1x32 W FSM



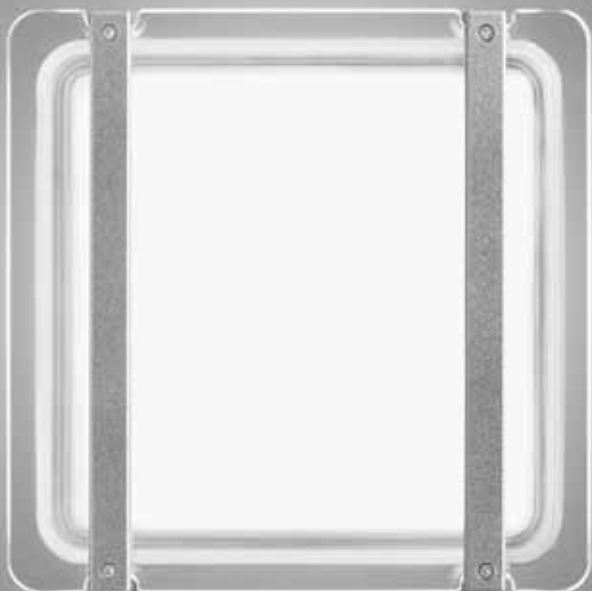
lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi$ $\geq 0,9$	EEL	code	notes
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SUPERBLIZ GRILL

E27	max 2x33 W	FBT	GR3	I	65	•	IK07 2J xx5					301593	
E27	max 2x33 W	FBT	AN3	I	65	•	IK07 2J xx5					301594	
E27	max 2x33 W	FBT	RB1	I	65	•	IK07 2J xx5					301595	
Fluorescent - electronic ballast 220/240 V 50/60 Hz													
2G11	2x18 W	FSD	GR3	I	65	•	IK07 2J xx5	•	A2			301596	
2G11	2x18 W	FSD	AN3	I	65	•	IK07 2J xx5	•	A2			301597	
2G11	2x18 W	FSD	RB1	I	65	•	IK07 2J xx5	•	A2			301598	
GX24q-3	1x32 W	FSM	GR3	I	65	•	IK07 2J xx5	•	A2			301590	
GX24q-3	1x32 W	FSM	AN3	I	65	•	IK07 2J xx5	•	A2			301591	
GX24q-3	1x32 W	FSM	RB1	I	65	•	IK07 2J xx5	•	A2			301592	



- 1 emergency - 1 hour
- 2 emergency - 2 hours
- 3 emergency - 3 hours
- 4 double switch-on



QUATRIX

design Roberto Fiorato



QUATRIX is also available
in emergency models
(QUATRIX EM/3P - QUATRIX A EM/3P).



QUATRIX luminaires can be
fitted with a choice screens
that can be customised with
decorations or monograms
upon request.

Series of indoor/outdoor wall luminaires with different screens, also available with pictograms or customisations upon request (QUATRIX and QUATRIX K models). QUATRIX has a thick glass diffuser, internally painted for soft, even lighting.

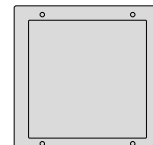
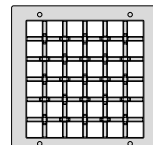
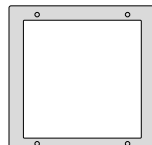
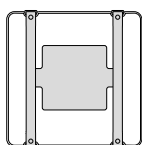
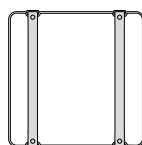
The screens, base and the bars that hold the glass in place are in die-cast aluminium.

Models A, G and K are available with finishes that go well with natural materials.

The simple and modern geometric shape, with colours sympathetic to traditional architecture make the QUATRIX an ideal choice for architecturally restored buildings, general area lighting, hotels and public buildings.



K model screens can be customised on demand with logos, signs and decorations.



QUATRIX A

QUATRIX A		
	E27	max 1x100 W IAA
	E27	max 1x21 Dulux EL Longlife max 1x23 PHILIPS PL-E
	G24q-2	2x18 W FSQ
	GR10q	1x28 W FSS
QUATRIX A EM 3P		
	GR10q	1x16 W FSS

Wall mounted luminaire for exterior and interior use comprising:

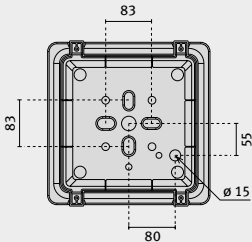
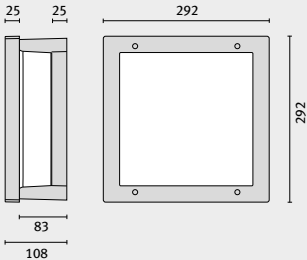
- Painted die cast aluminium housing and frames
- Glass diffuser, internally painted for homogeneous diffused light
- Polymer gasket
- Compact fluorescent versions are provided with low loss ballast
- Wall-mounting only



lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ ≥ 0,9	EEL	code	notes
QUATRIX A													
E27	max 1x100 W IAA	GR3	I	64	•	•		IK05 0,70J xx3				006400	
E27	max 1x100 W IAA	AN3	I	64	•	•		IK05 0,70J xx3				006401	
E27	max 1x100 W IAA	RB1	I	64	•	•		IK05 0,70J xx3				006402	
Fluorescent - electronic ballast 220/240 V 50/60 Hz													
G24q-2	2x18 W	FSQ	GR3	I	64	•	•	2700	IK05 0,70J xx3	•	A2	056406	
G24q-2	2x18 W	FSQ	AN3	I	64	•	•	2700	IK05 0,70J xx3	•	A2	056407	
G24q-2	2x18 W	FSQ	RB1	I	64	•	•	2700	IK05 0,70J xx3	•	A2	056408	
Fluorescent - magnetic ballast 230 V 50 Hz													
GR10q	1x28 W	FSS	GR3	I	64	•	•	2700	IK05 0,70J xx3	•	≤B2	006409	
GR10q	1x28 W	FSS	AN3	I	64	•	•	2700	IK05 0,70J xx3	•	≤B2	006410	
GR10q	1x28 W	FSS	RB1	I	64	•	•	2700	IK05 0,70J xx3	•	≤B2	006411	
QUATRIX A EM/3P													
Emergency - electronic ballast													
GR10q	1x16 W	FSS	GR3	I	64	•	•	2700	IK05 0,70J xx3		A2÷A3	3007615	
GR10q	1x16 W	FSS	AN3	I	64	•	•	2700	IK05 0,70J xx3		A2÷A3	3007625	
GR10q	1x16 W	FSS	RB1	I	64	•	•	2700	IK05 0,70J xx3		A2÷A3	3007945	

If information about Kelvin degrees is provided, this means that the lamp is included.

GR3 AN3 RB1



QUATRIX G

	E27	max 1x100 W IAA
	E27	max 1x21 Dulux EL Longlife max 1x23 PHILIPS PL-E
	G24q-2	2x18 W FSQ
	GR10q	1x28 W FSS

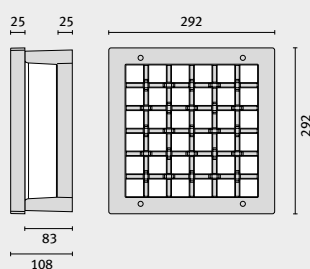


lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos ϕ $\geq 0,9$	EEL	code	notes
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QUATRIX G

E27	max 1x100 W IAA	AN3	I	64	• •		IK05 0,70J xx3				006424	
E27	max 1x100 W IAA	RB1	I	64	• •		IK05 0,70J xx3				006425	
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G24q-2	2x18 W	FSQ	AN3	I	64	• •	2700	IK05 0,70J xx3	•	A2	056428	
G24q-2	2x18 W	FSQ	RB1	I	64	• •	2700	IK05 0,70J xx3	•	A2	056429	
Fluorescent - magnetic ballast 230 V 50 Hz												
GR10q	1x28 W	FSS	RB1	I	64	• •	2700	IK05 0,70J xx3	•	≤B2	006431	

If information about Kelvin degrees is provided, this means that the lamp is included.



1
emergency - 1 hour

2
emergency - 2 hours

3
emergency - 3 hours



With the QUATRIX K fixtures, Danilo Premoli created a particular alphabet of light, used for the permanent installation entitled "Tutto non è tutto" ("Everything is not all"), set up outside the Italian Atelier showroom in Ripa di Porta Ticinese 73 in Milan.

QUATRIX K

	E27	max 1x100 W IAA
	E27	max 1x21 Dulux EL Longlife max 1x23 PHILIPS PL-E
	G24q-2	2x18 W FSQ
	GR10q	1x28 W FSS



lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi$ $\geq 0,9$	EEL	code	notes
------------	---	-------	--------	-------	----	---	---	--------	---	------------------------------	-----	------	-------

QUATRIX K

E27	max 1x100 W IAA	GR3	I	64	• •			IK05 0,70J xx3				006412	
E27	max 1x100 W IAA	AN3	I	64	• •			IK05 0,70J xx3				006413	
E27	max 1x100 W IAA	RB1	I	64	• •			IK05 0,70J xx3				006414	

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G24q-2	2x18 W	FSQ	GR3	I	64	• •	2700	IK05 0,70J xx3 •	A2			056418	
G24q-2	2x18 W	FSQ	AN3	I	64	• •	2700	IK05 0,70J xx3 •	A2			056419	
G24q-2	2x18 W	FSQ	RB1	I	64	• •	2700	IK05 0,70J xx3 •	A2			056420	

Fluorescent - magnetic ballast 230 V 50 Hz

GR10q	1x28 W	FSS	RB1	I	64	• •	2700	IK05 0,70J xx3 •	≤B2			006423	
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If information about Kelvin degrees is provided, this means that the lamp is included.

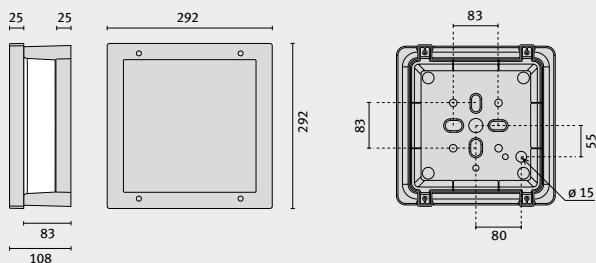


→ K screen can be customised with signs or logos upon request

GR3

AN3

RB1





QUATRIX

QUATRIX

	E27	max 1x100 W IAA
	E27	max 1x21 Dulux EL Longlife max 1x23 PHILIPS PL-E
	G24q-2	2x18 W FSQ

QUATRIX EM 3P

	GR10q	1x16 W FSS
--	-------	------------

Series of wall and ceiling mounting luminaires for indoor and outdoor use, comprising:

- Housing and cover frame made of diecast aluminium painted in metal satin grey finish
- Pressed glass cover internally painted to create an uniform and diffused light output
- Polymer gasket
- Low loss ballast for compact fluorescent versions

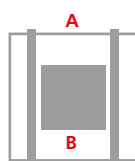


lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
QUATRIX										
E27	max 1x100 W IAA	GR3	I	64	• •				IK05 0,70J xx3	006315
Fluorescent - electronic ballast 220/240 V 50/60 Hz										
G24q-2	2x18 W	FSQ	GR3	I	64	• •	2700		IK05 0,70J xx3 • A2	006319
QUATRIX EM/3P										
Emergency - electronic ballast										
GR10q	1x16 W	FSS	GR3	I	64	•	2700		IK05 0,70J xx3 A2÷A3	3007605

If information about Kelvin degrees is provided, this means that the lamp is included.

A screen can be installed between the cover and the cover frame which can be customised with signs or logos.

- Anodised aluminium screen, blue or grey finish
- Customised anodised aluminium screen, blue or grey finish



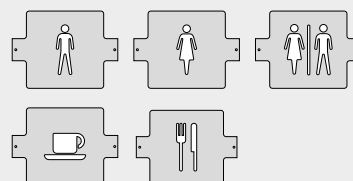
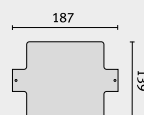
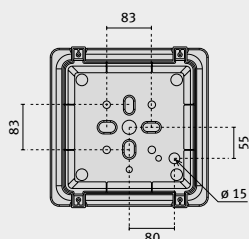
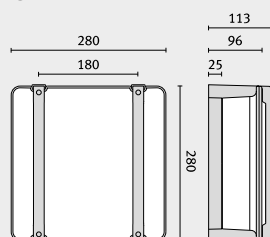
UNIT WITH SCREEN

1A+1B = please order 2 codes

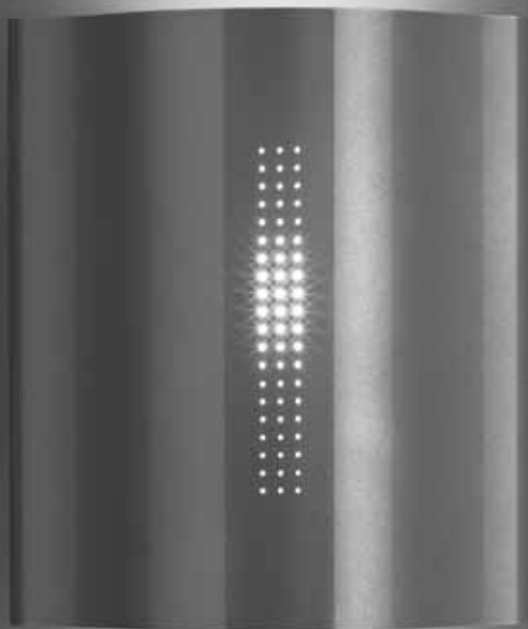
COMPONENTS
A luminaire
B screen

description	colour	code
Shield	BL4	000744
Shield	GR4	000743
Coffee logo screen	GR4	000968
Coffee logo screen	BL4	000969
Woman logo screen	BL4	000965
Woman logo screen	GR4	000964
Food logo screen	BL4	000971
Food logo screen	GR4	000970
Man logo screen	BL4	000963
Man logo screen	GR4	000962
Man-woman logo screen	BL4	000967
Man-woman logo screen	GR4	000966

GR3 GR4 BL4



1 emergency - 1 hour
2 emergency - 2 hours
3 emergency - 3 hours



SHIELD

design Roberto Fiorato



Wall mounted indoor/outdoor luminaire with up/down light emission, for accent lighting. The light beam changes depending on the type of lamps used. The screen in extruded aluminium is available in four different finishes and can be customized upon

request with decorations, monograms, logos or signs and symbols. SHIELD is a very versatile fixture, with impressive visual impact, particularly suitable for large hotels or public buildings where it is necessary to create ambient lighting.



TAUTRA MARIA CONVENT - TAUTRA ISLAND (NORWAY)



SHIELD is also available
in an emergency model
(SHIELD EM/3P).

SHIELD

SHIELD		
	E27	max 2x60 W IBP
	E27	max 1x75 W IAA
	G24q-3	1x26 W FSQ
SHIELD EM/3P		
	G24q-2	1x18 W FSQ

Wall luminaire for indoor and outdoor use, for indirect lighting, comprising:

- Die-cast aluminium housing
- Extruded aluminium cover
- Glass diffuser
- Stainless steel screws

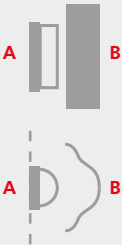
Customised covers (with logos, letters, etc.) are available upon request



lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
SHIELD													
E27	max 2x60 W	IBP		I	65	•	•					008461	
E27	max 1x75 W	IAA		I	65	•	•					008460	
Fluorescent - electronic ballast 220/240 V 50/60 Hz													
G24q-3	1x26 W	FSQ		I	65	•					A2	058466	
SHIELD EM/3P													
Emergency - electronic ballast													
G24q-2	1x18 W	FSQ		I	65	•					A2÷A3	3007775	

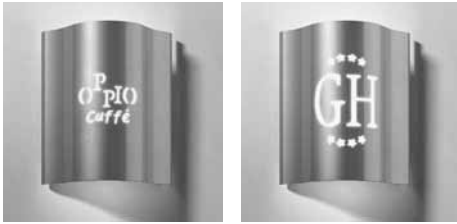
If information about Kelvin degrees is provided, this means that the lamp is included.

		
GR2	TN1	BZ1

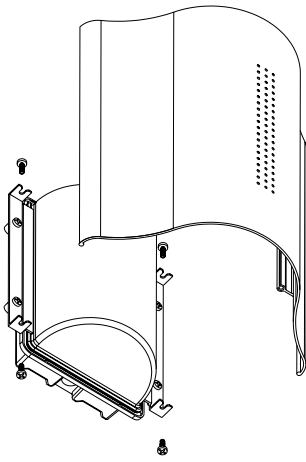
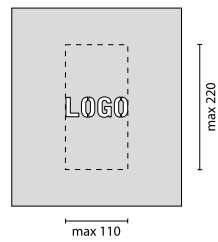


COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	housing
B	cover

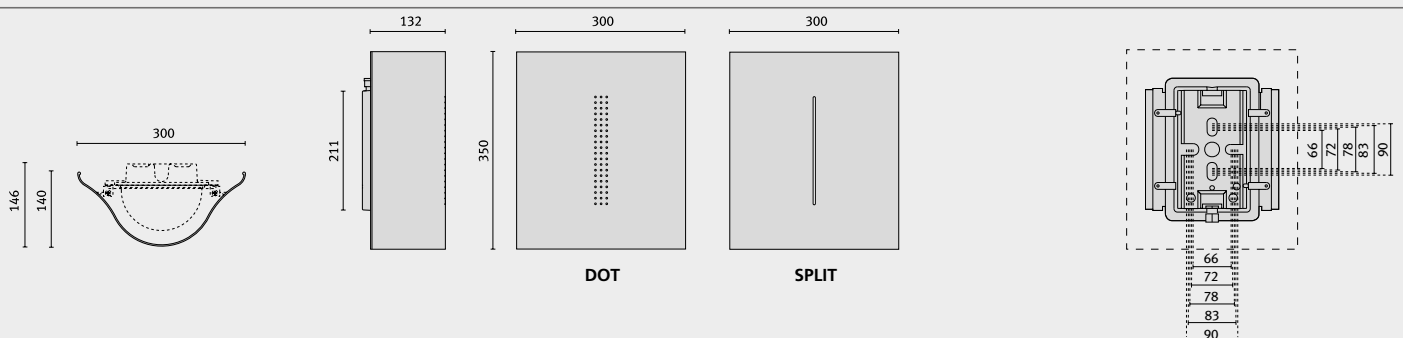
	emergency - 1 hour
	emergency - 2 hours
	emergency - 3 hours



The maximum size of the customizable area is indicated in the drawing.



description	colour		code
Cover SHIELD Split	GR2	IK08 5J xx5	008474
Cover SHIELD Split	TN1	IK08 5J xx5	008475
Cover SHIELD Split	BZ1	IK08 5J xx5	008477
Cover SHIELD Dot	GR2	IK08 5J xx5	008468
Cover SHIELD Dot	TN1	IK08 5J xx5	008469
Cover SHIELD Dot	BZ1	IK08 5J xx5	008471





BADGE

design R. Fiorato, F. Pagliarini



A range of indoor/outdoor wall luminaires, with aluminium base and frosted glass cover. BADGE luminaires come in two different sizes, and are designed exclusively for use with white LEDs, signalling and high power versions.

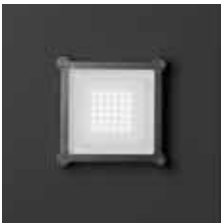
The reduced depth of the fixtures allows them to be used as an alternative to similar recess mounted luminaires. BADGE is suitable for decorative and accent lighting in homes, display and commercial area lighting.

BADGE

BADGE 150	
	36 LED - 2,5 W
	5 LED - 5,5 W

BADGE 230	
	100 LED - 7 W
	9 LED - 10 W

- Series of wall mounting luminaires for indoor and outdoor use, comprising:
- Base in die-cast aluminium, painted white
 - Frame in sandblasted, chrome-plated die-cast aluminium
 - Pressed glass cover, internally frosted
 - Silicone foam gasket
 - Stainless steel locking screws
 - Models are available with either 36 or 100 LED, 12 V DC or with 5 or 9 LED at 350 mA
 - Available accessories: 12 V 10 W transformer / 350 mA 16 W converter



BADGE 150, 36 LED



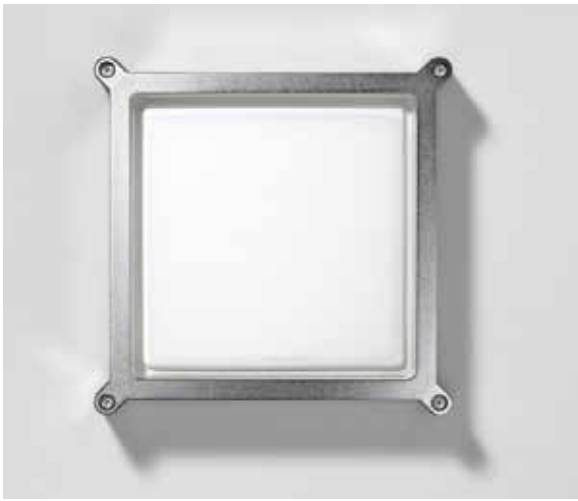
BADGE 150, 5 LED



BADGE 230, 100 LED



BADGE 230, 9 LED



description	colour	code
Driver kit with current 220/240 V 350 mA 5/18 W		310149
Driver kit with voltage 220/240 V 12 V DC 10 W		310148

lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	--	--	--------	--	-------------	-----	------	-------

BADGE 150

Power LED

	5 LED - 5,5 W	CR1+WHL	III	55	• 6000	IK07 2J xx5	300253
	36 LED - 2,5 W	CR1+WHL	III	55	• 6000	IK07 2J xx5	300252

BADGE 230

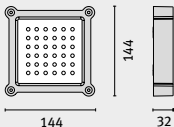
Power LED

	9 LED - 10 W	CR1+WHL	III	55	• 6000	IK07 2J xx5	300251
	100 LED - 7 W	CR1+WHL	III	55	• 6000	IK07 2J xx5	300250

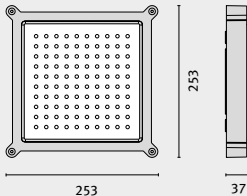
If information about Kelvin degrees is provided, this means that the lamp is included.

CR1+WHL

BADGE 150



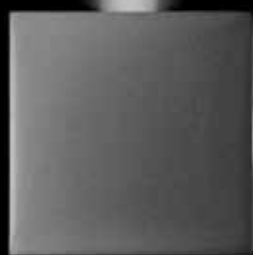
BADGE 230





ZERO

design Roberto Fiorato - Franco Pagliarini

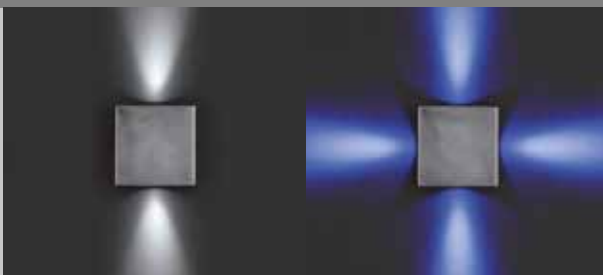
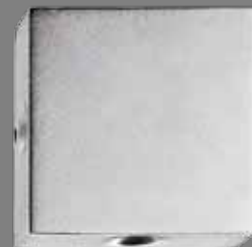


Range of LED luminaires for indoors and outdoors, with light beams directed in four different combinations.

ZERO has a plastic base and a cover in polished or satin finish aluminium.

Each luminaire is provided with a blue screen to produce coloured light.

ZERO's compact size makes it particularly suitable for accent lighting.





ZERO 1 LED

1 LED - 0,3 W

ZERO 2 LED 90°

2 LED 90° - 0,6 W

ZERO 2 LED 180°

2 LED 180° - 0,6 W

ZERO 4 LED

4 LED - 1,2 W

Series of indoor or outdoor wall mount luminaires, comprising:

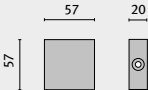
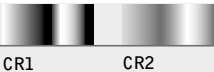
- Techno-polymer body
- Aluminium cover
- Stainless steel locking screws
- Anti-oxidisation treatment
- Each luminaire is supplied with a blue filter to create a coloured light



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ ≥ 0,9	EEL	code	notes
ZERO 1 LED										
LED voltage										
1 LED - 0,3 W		CR1	III	44	• 6000	IK02 0,20J xx0			700246	
1 LED - 0,3 W		CR2	III	44	• 6000	IK02 0,20J xx0			700245	
ZERO 2 LED 90°										
LED voltage										
2 LED 90° - 0,6 W		CR1	III	44	• 6000	IK02 0,20J xx0			700248	
2 LED 90° - 0,6 W		CR2	III	44	• 6000	IK02 0,20J xx0			700247	
ZERO 2 LED 180°										
LED voltage										
2 LED 180° - 0,6 W		CR1	III	44	• 6000	IK02 0,20J xx0			700250	
2 LED 180° - 0,6 W		CR2	III	44	• 6000	IK02 0,20J xx0			700249	
ZERO 4 LED										
LED voltage										
4 LED - 1,2 W		CR1	III	44	• 6000	IK02 0,20J xx0			700252	
4 LED - 1,2 W		CR2	III	44	• 6000	IK02 0,20J xx0			700251	

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Driver kit with voltage 220/240 V 12 V DC 10 W		700243
Driver kit with voltage 220/240 V 12 V DC 3 W		700242
Driver kit with voltage 220/240 V 12 V DC 40 W		700244





700243



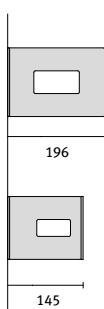
700244



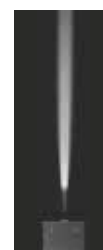
700242

TRACTO

design R. Fiorato - F. Pagliarini



The fittings are designed to have a minimal protrusion from the wall, only 145mm for the MINITRACTO and MINITRACTO LINE versions.



The concentrating lens produces a perfectly defined narrow beam which enables decorative effects to be produced.



Tracto is a range of indoor and outdoor wall-mounted accent lighting suitable for use with metal halide light sources; 35W max for TRACTO and 20W max for MINITRACTO.

Manufactured from extruded aluminium with a painted finish, the bodies are provided with options for illuminated openings from single sided to all four sides.

Available in the following beam options: narrow beam (NB) produced by a concentrating lens, or wide beam (WB) produced using a flat glass lens.

Decorative line effects are possible with the MINITRACTO LINE models by longitudinal lines cut into the extrusion.

All fittings are Class I complete with electronic control gear. TRACTO and MINITRACTO are suitable for providing accent and effect lighting in both residential and public areas.

MINITRACTO LINE provides a decorative lighting effect.





TRACTO

G8,5 1x35 W MT

Indoor and outdoor wall-mounted
accent lighting comprises:

- extruded aluminium body painted
in grey or anthracite
- die-cast aluminium wall-mounting
base
- die-cast aluminium front cover
painted in painted grey or
anthracite
- EPDM gasket
- TRACTO NB versions are complete
with a concentrating optical lens
for a 15 ° light beam
- TRACTO WB versions are complete
with a flat glass cover providing a
diffused light distribution
- TRACTO NB and WB versions are
available with a concentrating lens
on one side and a flat glass diffuser
on the other.
- stainless steel locking screws
- the fitting is not suitable for
through-wiring
- the range offers different combina-
tions of lenses and diffusers to com-
bine the lighting effects as desired



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	--------	----------------	-----	------	-------

TRACTO 1 NB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3009185
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3009195

TRACTO 2 NB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3009205
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3009215

TRACTO 4 NB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3009225
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3009235

TRACTO 1 WB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3024555
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3024565

TRACTO 2 WB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3024575
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3024585

TRACTO 4 WB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3024595
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3024605

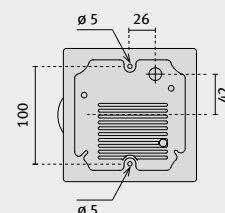
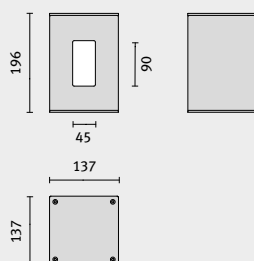
TRACTO 1 NB + 1 WB

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3024615
G8,5	1x35 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3024625

GR2

AN3



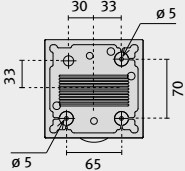
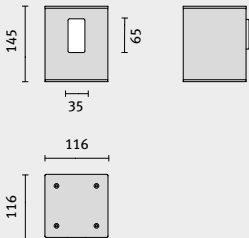
MINITRACTO

GU6,5 1x20 W MT

- Indoor and outdoor wall-mounted accent lighting comprises:
- extruded aluminium body painted in grey or anthracite
 - die-cast aluminium wall-mounting base
 - die-cast aluminium front cover painted in painted grey or anthracite
 - EPDM gasket
 - MINITRACTO NB versions are available with a concentrating lens providing a 15 ° light beam
 - MINITRACTO WB versions are complete with a flat glass cover providing a diffused light distribution
 - MINITRACTO NB and WB versions are available with a concentrating lens on one side and a flat glass diffuser on the other
 - stainless steel locking screws
 - the fitting is not suitable for through-wiring
 - the range offers different combinations of lenses and diffusers to combine the lighting effects as desired



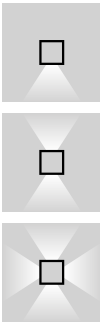
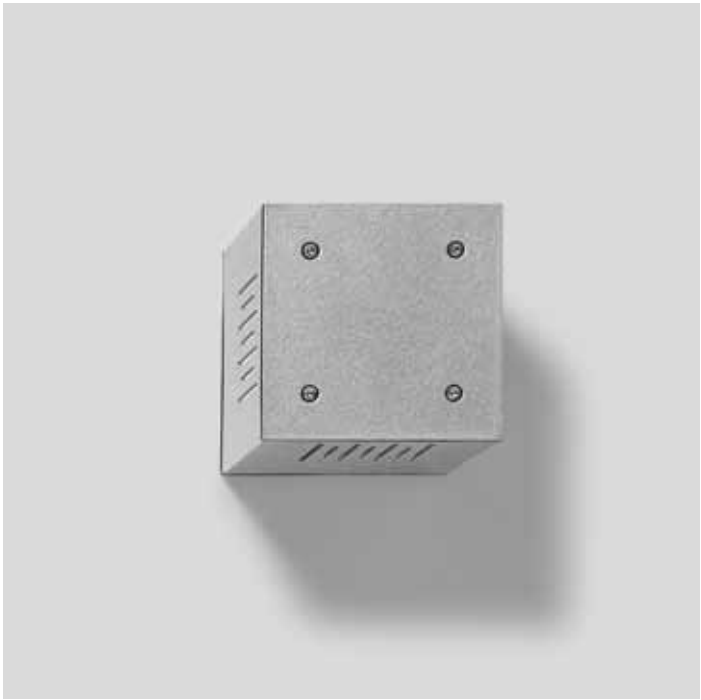
GR2 AN3



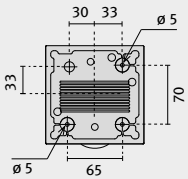
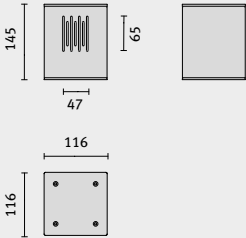
MINITRACTO LINE

GU6,5 1x20 W MT

- Indoor and outdoor wall-mounted accent lighting comprises:
- extruded aluminium body painted in grey or anthracite
 - die-cast aluminium wall-mounting base
 - die-cast aluminium front cover painted in painted grey or anthracite
 - EPDM gasket
 - versions with 1, 2 and 4 windows worked with a motif of longitudinal lines for a decorative effect
 - integral clear flat glass diffuser
 - stainless steel locking screws
 - the fitting is not suitable for through-wiring



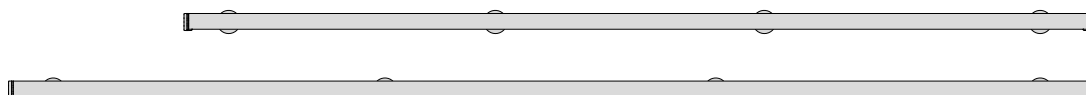
lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ $\geq 0,9$	EEL	code	notes
MINI TRACTO LINE 1										
Discharge - electronic ballast 220/240 V 50/60 Hz										
GU6,5	1x20 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3025425
GU6,5	1x20 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3025435
MINI TRACTO LINE 2										
Discharge - electronic ballast 220/240 V 50/60 Hz										
GU6,5	1x20 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3025445
GU6,5	1x20 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3025455
MINI TRACTO LINE 4										
Discharge - electronic ballast 220/240 V 50/60 Hz										
GU6,5	1x20 W	MT	GR2	I	65	•	IK08 5J xx5	•	A2÷A3	3025465
GU6,5	1x20 W	MT	AN3	I	65	•	IK08 5J xx5	•	A2÷A3	3025475

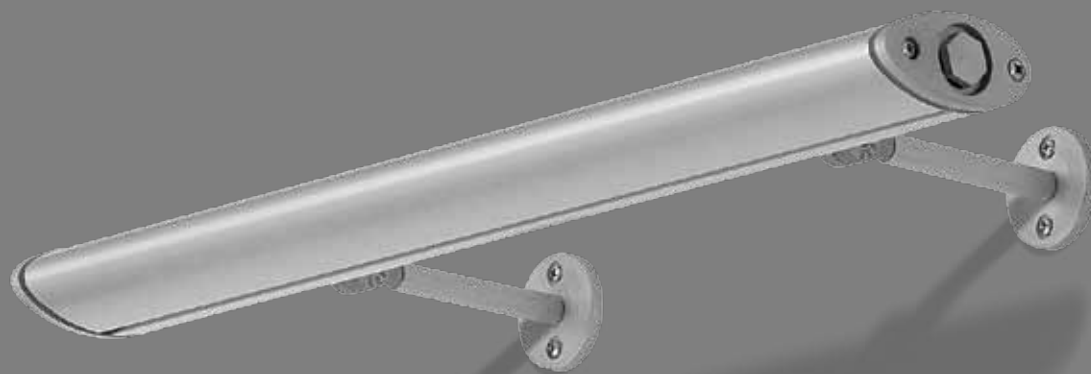


LED

STRIP OVAL

design R. Fiorato, F. Pagliarini



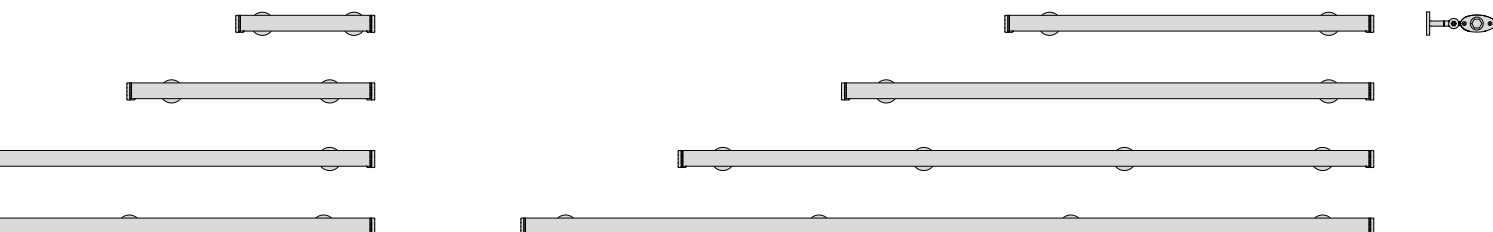


STRIP OVAL is an extremely compact architectural lighting system designed to highlight and emphasise building features with minimal intrusion.

Made in anodised aluminium and tempered glass, STRIP OVAL comes with a high degree of ingress protection (IP 55).

The system was designed with different lengths, from 27 to 216 cm, in models using fluorescent T5 or LED lamps, both in white and RGB (with a remote control gear box and command unit). Due to its versatility, STRIP OVAL may also be used for indoor lighting.

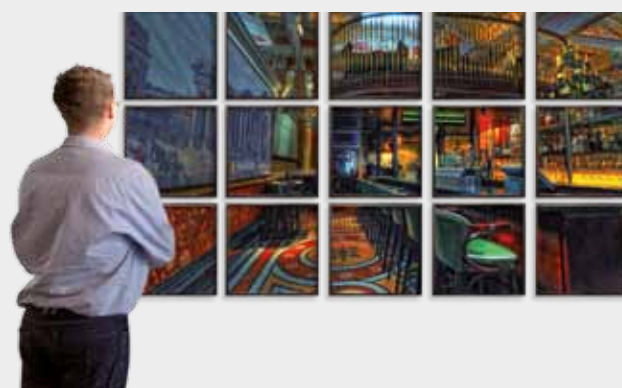
A visor accessory to direct the light completes the system's features.





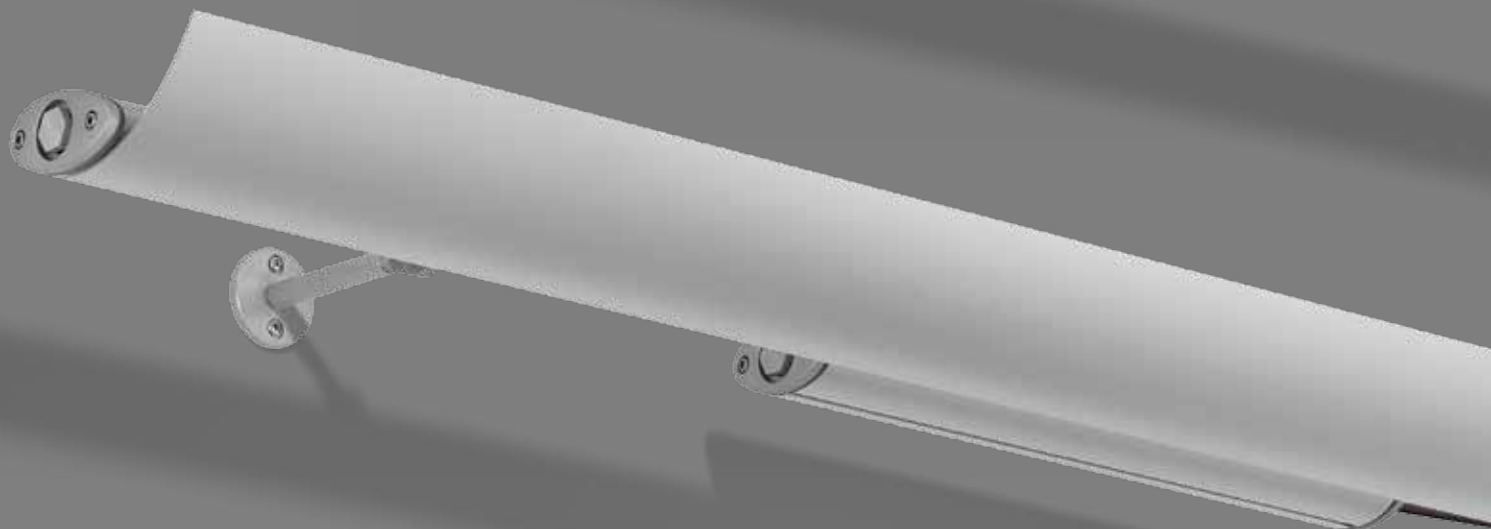
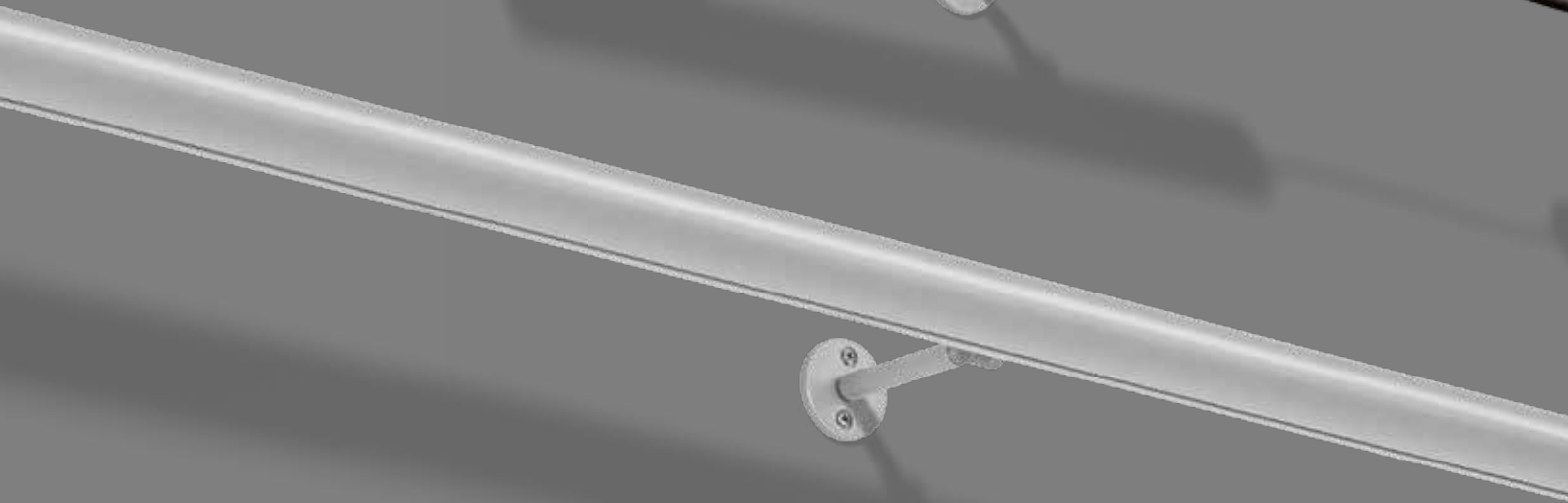
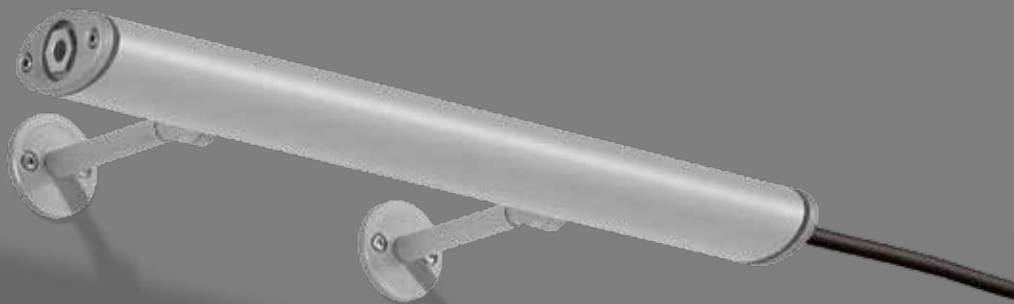
The RGB LED models create light scenes that can be programmed and modified.

The compact design of the STRIP OVAL system makes it suitable for indoor use, for example to highlight paintings and bookcases.





STRIP OVAL 1040
fluorescent model with
remote gear unit



STRIP OVAL 1340
fluorescent model with
remote gear unit fixed
to the housing and visor
accessory

Luminaire system specially designed for longitudinal uplighting and downlighting.

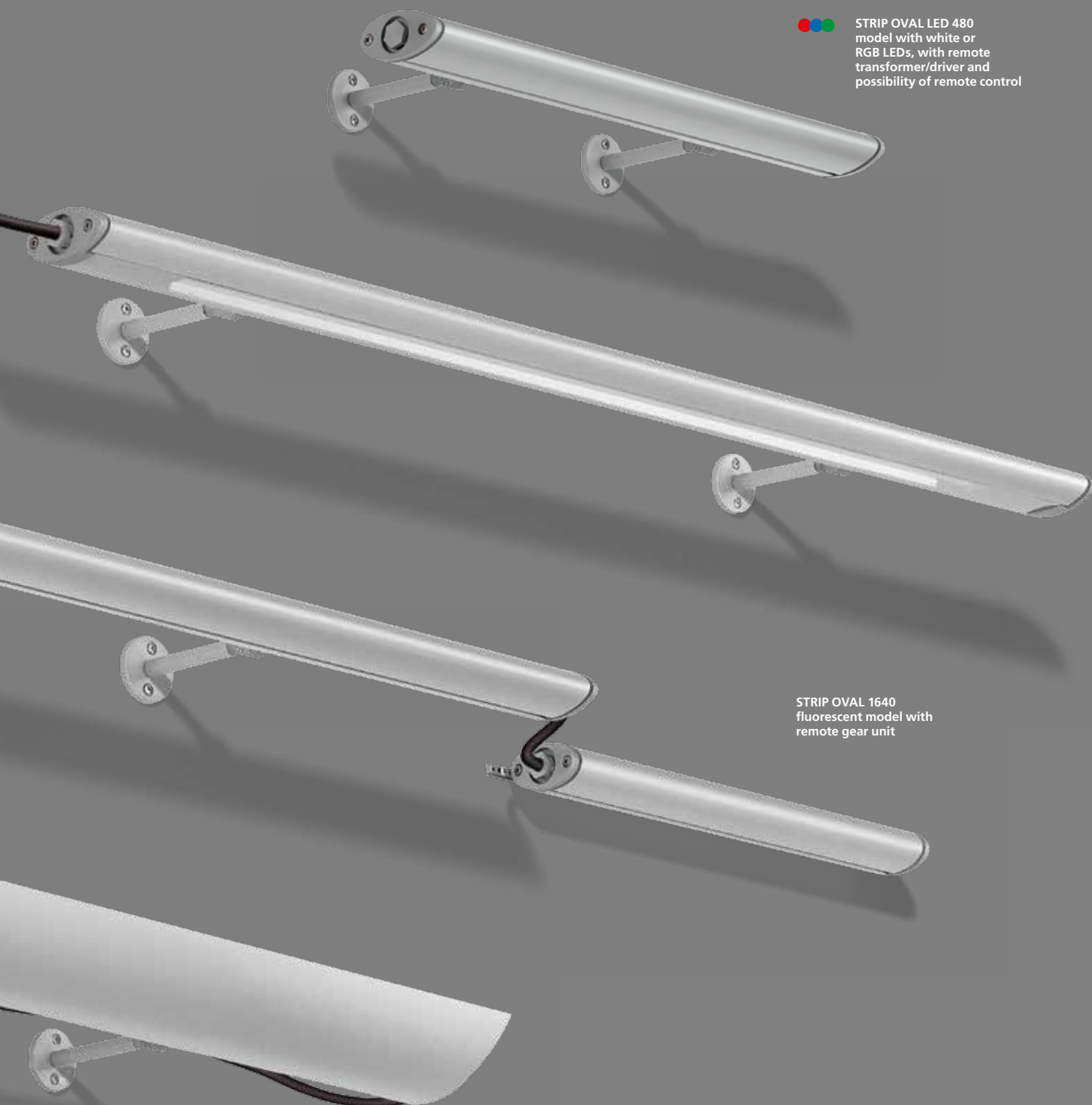
- Compact housing in anodised extruded aluminium
- Diffuser in tempered glass
- Adjustable wall mounting bracket with joint for directing the luminaire

- Visor available as accessory, able to partially direct the light beam (to be ordered separately)
- T5 fluorescent and high power LED versions available (3000 K, 6000 K and RGB)
- Fluorescent models are supplied with a remote gear unit
- The LED transformer/driver must be ordered separately

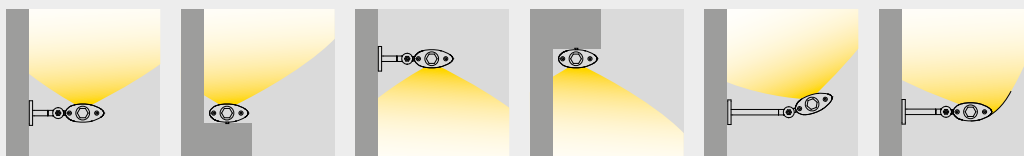
- The unit can be fixed on the wall
- The RGB LED model is operated by a radio remote control unit
- Lenses can be mounted on LED models to obtain light beams of 10°, 25° or 40°
- Cover available as an accessory to conceal the terminal connection for the power supply unit cable



STRIP OVAL LED 480
model with white or
RGB LEDs, with remote
transformer/driver and
possibility of remote control



STRIP OVAL 1640
fluorescent model with
remote gear unit



All STRIP models can be turned either
upwards or downwards.
when installed with adjustable wall
brackets, the lamp compartment is
adjustable.



STRIP OVAL LED

LED MODELS

STRIP OVAL LED 270

	3 LED - 3,6 W 3000 K
	3 LED - 3,6 W 6000 K
	3 LED - 9 W RGB

STRIP OVAL LED 1320

	18 LED - 21,6 W 3000 K
	18 LED - 21,6 W 6000 K
	18 LED - 54 W RGB

STRIP OVAL LED 480

	6 LED - 18 W 3000 K
	6 LED - 18 W 6000 K
	6 LED - 7,2 W RGB

STRIP OVAL LED 1740

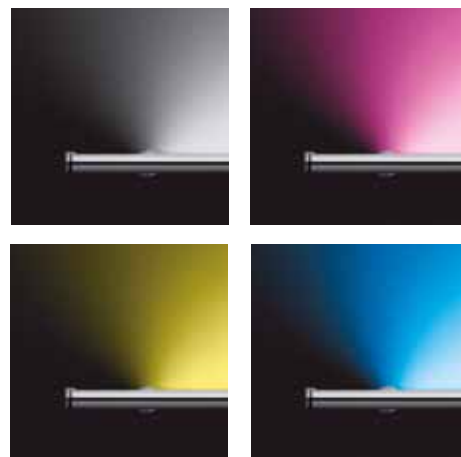
	24 LED - 28,8 W 3000 K
	24 LED - 28,8 W 6000 K
	24 LED - 72 W RGB

STRIP OVAL LED 900

	12 LED - 14,4 W 3000K
	12 LED - 14,4 W 6000K
	12 LED - 36 W RGB

STRIP OVAL LED 2160

	30 LED - 36 W 3000 K
	30 LED - 36 W 6000 K
	30 LED - 90 W RGB



For the RGB LED models, it is possible to set up a remote control system for regulating colour variation.

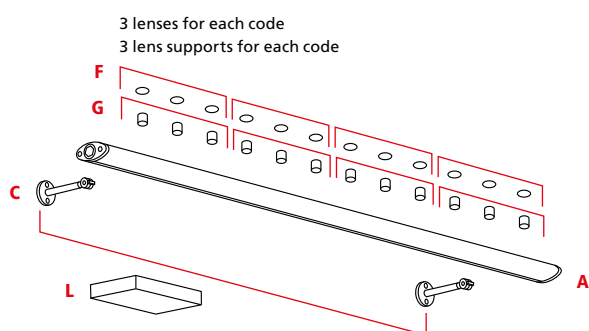
For components codes, see page 42.

Typical configuration STRIP OVAL LED 900

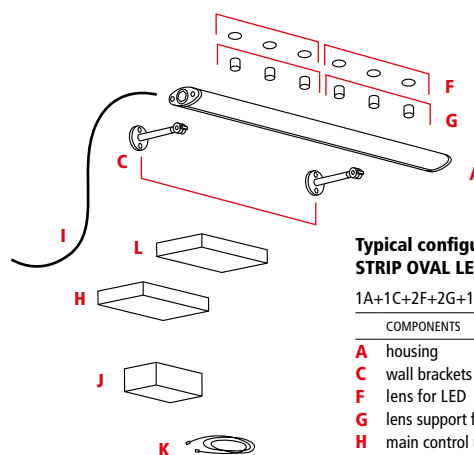
1A+1C+4F+4G+1L = please order 11 codes

COMPONENTS

- A** housing
- C** wall brackets for housing
- F** lens for LED
- G** lens support for LEDs
- L** driver with transformer 24V



3 lenses for each code
3 lens supports for each code



Typical configuration STRIP OVAL LED 480 RGB

1A+1C+2F+2G+1H+1I+1J+1K+1L = please order 11 codes

COMPONENTS

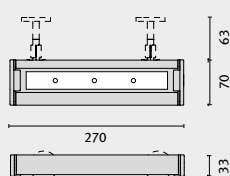
- A** housing
- C** wall brackets for housing
- F** lens for LED
- G** lens support for LEDs
- H** main control unit
- I** RGB cable
- J** 43-scene sequencer
- K** bi-pin RJ45 connecting cable
- L** driver with transformer 24V

Each LED requires a support and a lens. The number of LEDs in the product varies depending on size (see code table).

The number of brackets necessary for the lamps is determined by the length of the fitting (see drawing below). Four different bracket lengths are available.

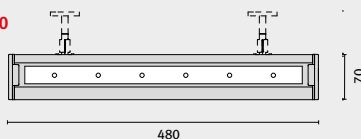
For components codes, see page 42.

GR4 GR4+WHL GR4+RGB

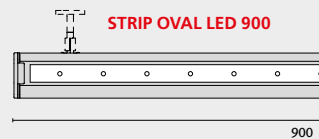


STRIP OVAL LED 270

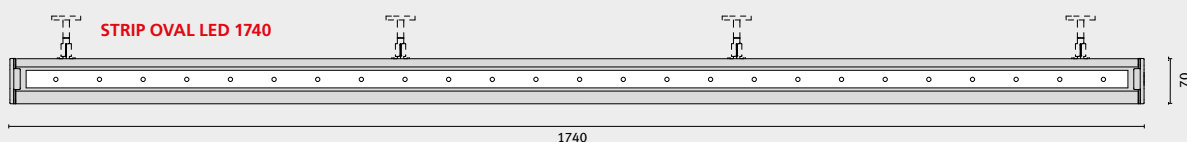
STRIP OVAL LED 480



STRIP OVAL LED 900



STRIP OVAL LED 1740





lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	--	--	--------	--	----------------	-----	------	-------

STRIP OVAL LED 270

Power LED

3 LED - 3,6 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005375
3 LED - 3,6 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004625
3 LED - 9 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004635

STRIP OVAL LED 480

Power LED

6 LED - 7,2 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005385
6 LED - 7,2 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004645
6 LED - 18 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004655

STRIP OVAL LED 900

Power LED

12 LED - 14,4 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005395
12 LED - 14,4 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004665
12 LED - 36 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004675

STRIP OVAL LED 1320

Power LED

18 LED - 21,6 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004685
18 LED - 21,6 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005405
18 LED - 54 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004695

STRIP OVAL LED 1740

Power LED

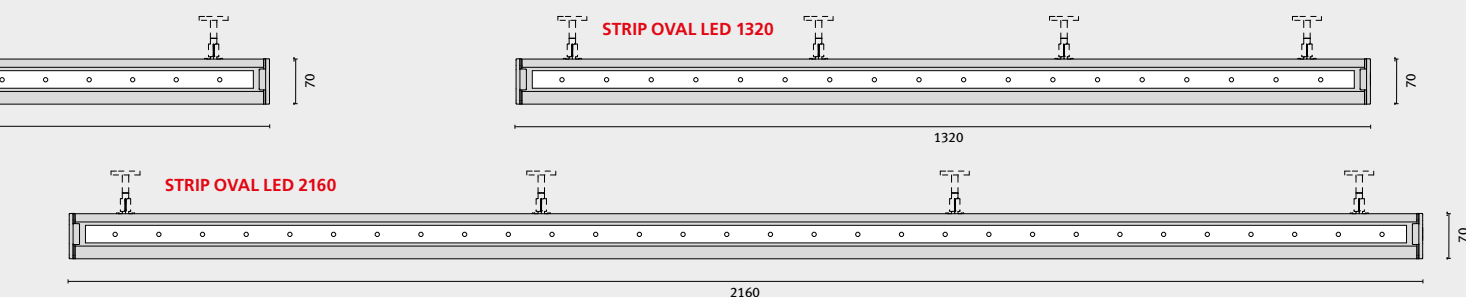
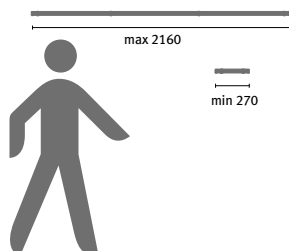
24 LED - 28,8 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005415
24 LED - 28,8 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004705
24 LED - 72 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004715

STRIP OVAL LED 2160

Power LED

30 LED - 36 W	GR4+WHL	III	55	• 6000	IK05 0,70J xx3	7005425
30 LED - 36 W	GR4+WHL	III	55	• 3000	IK05 0,70J xx3	7004725
30 LED - 90 W	GR4+RGB	III	55	•	IK05 0,70J xx3	7004735

If information about Kelvin degrees is provided, this means that the lamp is included.



STRIP OVAL

FLUORESCENT MODELS

STRIP OVAL 740

	G5	1x14 W FDH
	G5	1x24 W FDH

STRIP OVAL 1040

	G5	1x21 W FDH
	G5	1x39 W FDH

STRIP OVAL 1340

	G5	1x28 W FDH
	G5	1x54 W FDH

STRIP OVAL 1640

	G5	1x35 W FDH
	G5	1x49 W FDH
	G5	1x80 W FDH

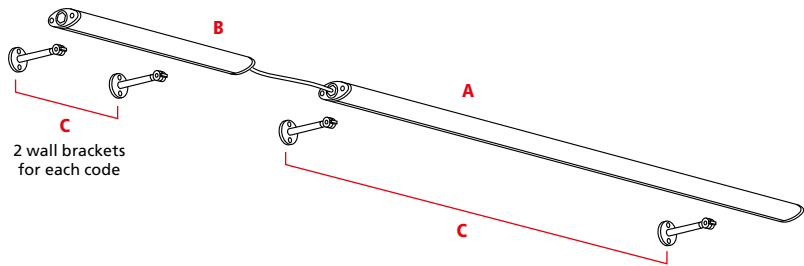


Typical configuration 1
FLUORESCENT Models

1AB+2C = please order 3 codes

COMPONENTS

- AB housing with remote gear unit
- C wall brackets for housing
- C wall brackets for remote gear unit

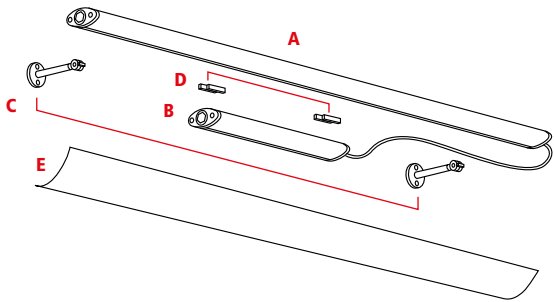


Typical configuration 2 and 3
FLUORESCENT Models

1AB+1C+1D+1E = please order 4 codes

COMPONENTS

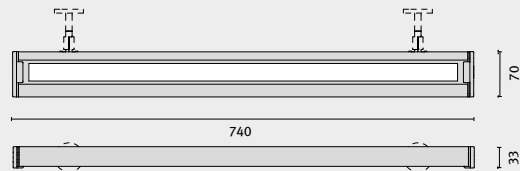
- AB housing with remote gear unit
- C wall brackets for housing
- D fixed mini-support bracket for remote gear unit
- E visa



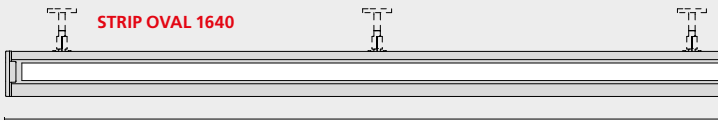
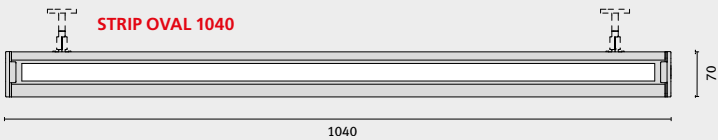
The number of brackets necessary for the lamps is determined by the length of the fitting (see drawing below). Four different bracket lengths are available.

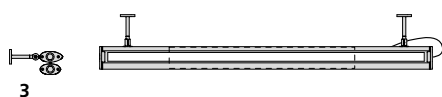
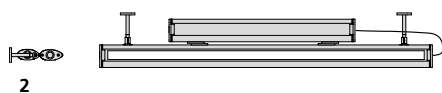
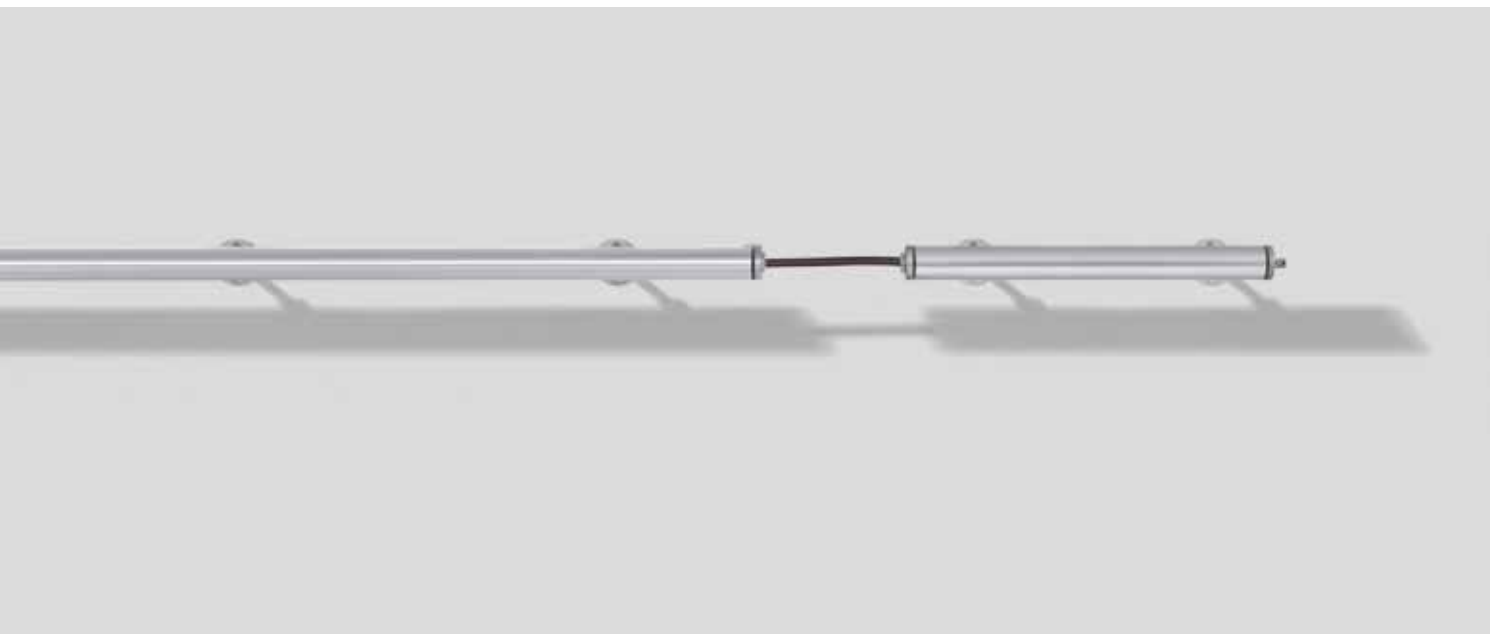
For components codes, see page 42.

GR4



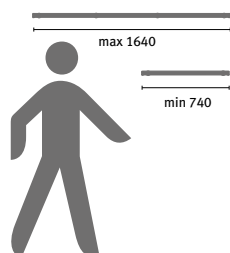
STRIP OVAL 740





The remote gear unit can be fixed:

- 1 - on the wall, next to the fitting
- 2 - on the back of the fitting body
- 3 - underneath the fitting body
- 4 - remote. May be hidden if cable length allows to do so.



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEI	code	notes
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STRIP OVAL 740

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x14 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004535
G5	1x24 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004545

Fluorescent - DALI dimmable 220/240 V 50/60 Hz

G5	1x24 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A1	7005335
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STRIP OVAL 1040

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x21 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004555
G5	1x39 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004565

Fluorescent - DALI dimmable 220/240 V 50/60 Hz

G5	1x39 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A1	7005345
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STRIP OVAL 1340

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x28 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004575
G5	1x54 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004585

Fluorescent - DALI dimmable 220/240 V 50/60 Hz

G5	1x54 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A1	7005355
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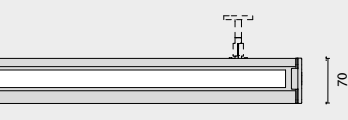
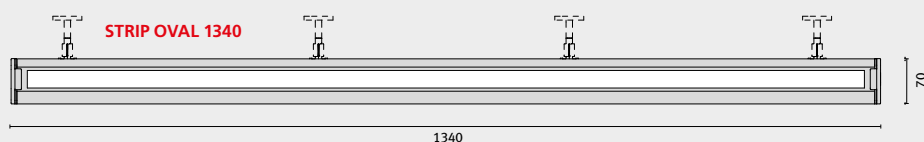
STRIP OVAL 1640

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x80 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004615
G5	1x49 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004605
G5	1x35 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A2	7004595

Fluorescent - DALI dimmable 220/240 V 50/60 Hz

G5	1x80 W	FDH	GR4	I	55	•	IK05 0,70J xx3	•	A1	7005365
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STRIP OVAL STRIP OVAL LED

COMPONENTS AND ACCESSORIES

description colour code

COMPONENTS

Adjustable wall bracket 123 mm (2 pieces)	GR4	710017
Adjustable wall bracket 338 mm (2 pieces)	GR4	710018
Adjustable wall bracket 63 mm (2 pieces)	GR4	710015
Adjustable wall bracket 93 mm (2 pieces)	GR4	710016
Fixed mini-support bracket (2 pieces)	GR4	710020
Terminal cover	GR4	710019
Joint	GR4	710021
Lens support for white LEDs (3 pieces)	GR4	710022
Lens support for RGB LEDs (3 pieces)	GR4	710023
Lens for white LED beam at 10° (3 pieces)		710024
Lens for white LED beam at 25° (3 pieces)		710025
Lens for white LED beam at 40° (3 pieces)		710026
Lens for RGB LED beam at 10° (3 pieces)		310305
Lens for RGB LED beam at 25° (3 pieces)		310306
Lens for RGB LED beam at 40° (3 pieces)		310307
Driver with transformer (220/240 V) 24 V DC 40 W		710028
Driver with transformer (220/240 V) 24 V DC 100 W		710030
Driver with transformer (220/240 V) 24 V DC 200 W		710032
Driver with transformer (220/240 V) 24 V DC 500 W		710034
Main control unit		710035
Slave control unit		710036
43-scene sequencer with remote control		710037
Bi-pin RJ45 connecting cable for signal		710038
RGB Cable 4x1 2 m	GR4	310240
RGB Cable 4x1 5 m	GR4	310241
RGB Cable 4x1 10 m	GR4	310242
RGB Cable 4x1 15 m	GR4	310243

Four different adjustable wall brackets are available, one joint and a mini fixed support bracket.

The mini fixed support bracket (710020) is only required for fluorescent models, to fix the remote gear unit to the light fixture.

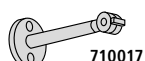
The terminal cover is useful for covering up the spot where power cables enter the wall.



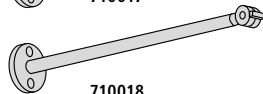
710015



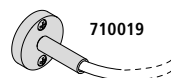
710016



710017



710018



710019

description colour code

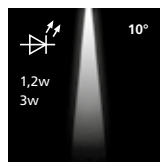
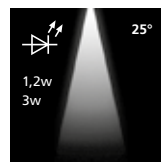
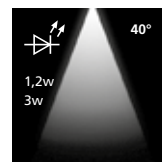
ACCESSORIES

Visor L252	GR4	710039	(for Strip Oval LED 270)
Visor L462	GR4	710040	(for Strip Oval LED 480)
Visor L722	GR4	710041	(for Strip Oval 740)
Visor L882	GR4	710042	(for Strip Oval 900)
Visor L1022	GR4	710043	(for Strip Oval LED 1040)
Visor L1302	GR4	710044	(for Strip Oval LED 1320)
Visor L1622	GR4	710045	(for Strip Oval 1640)
Visor L1722	GR4	710046	(for Strip Oval LED 1740)
Visor L2142	GR4	710047	(for Strip Oval LED 2160)

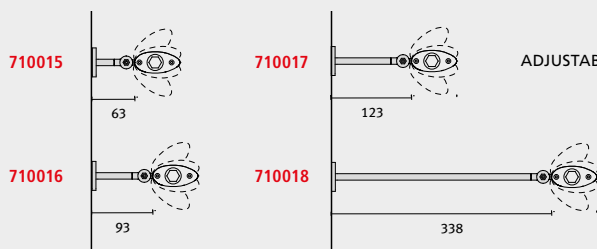


The visor accessory optimises the direction of the light beam.

For the LED models, it is possible to use additional lenses to concentrate the light beam at a Width of 10°, 25° or 40°. Every lens need a support.

710024
310305 (RGB)710025
310306 (RGB)710026
310307 (RGB)

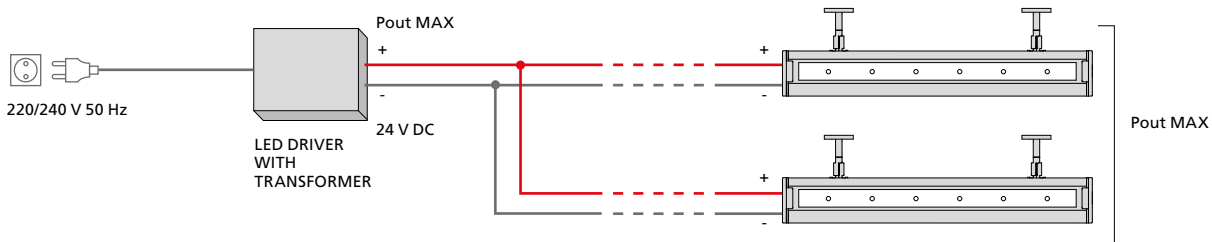
GR4



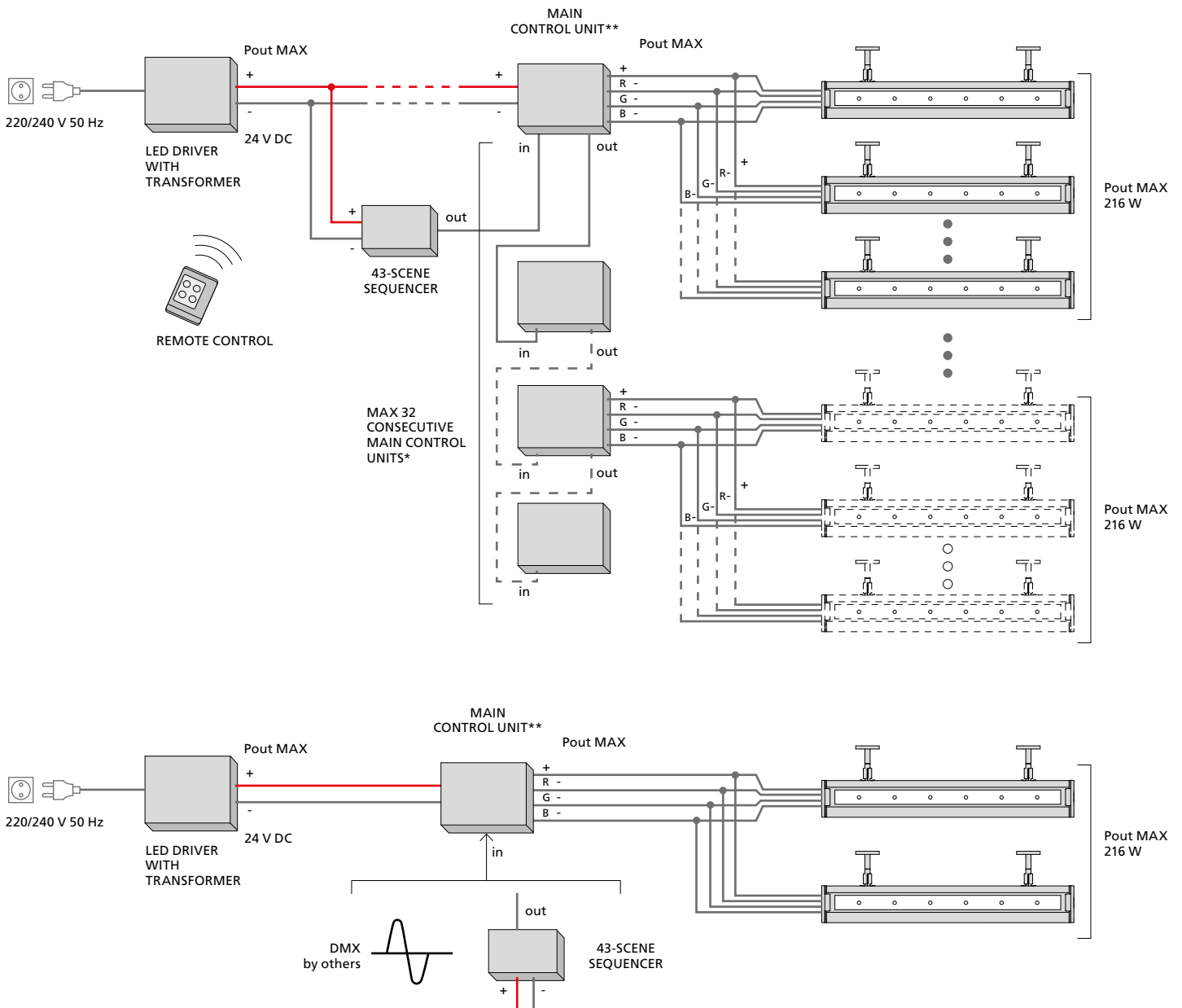
ADJUSTABLE WALL BRACKETS

JOINT

STRIP OVAL LED element diagram

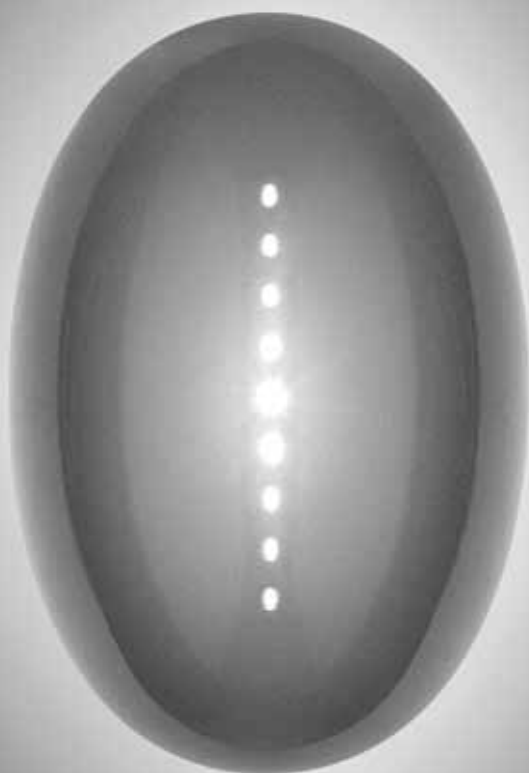


 Element diagrams for regulating colour variations in STRIP OVAL LED RGB



* If more than 32 main control units are required, the 33rd must be a slave control units. This allows the connection, from the 34th onwards, of a further 32 main control units.

**** Compatible DMX controller**



KAI TECH

design Roberto Fiorato



Accent lighting fitting for wall mounting.
Oval screen in die-cast aluminium and glass cover frosted on the inside and polished on the outer surface.

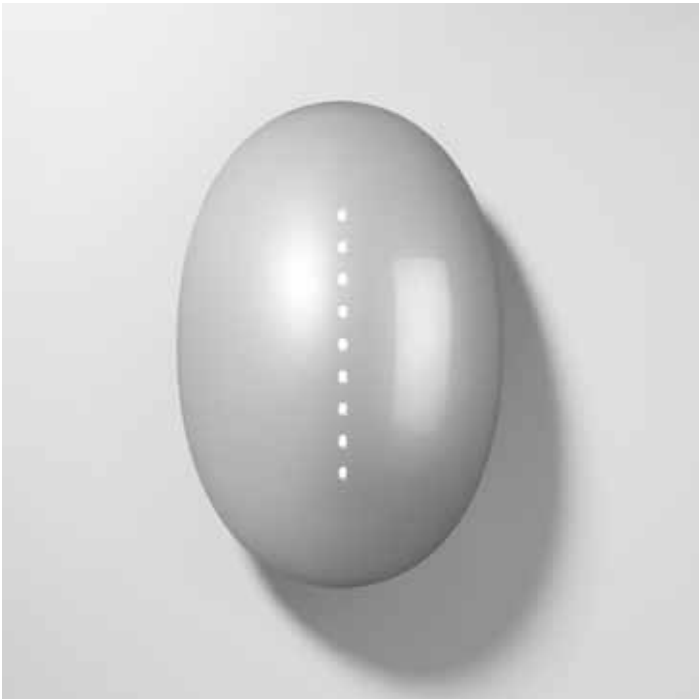
KAI TECH is suitable for public area and amenity lighting; hotels, residential complexes, where a functional source of light is required with a more architecturally appealing design.

KAI TECH

G24q-3 1x26 W FSQ

Technical and stylish wall luminaire, for indoor and outdoor use, comprising:

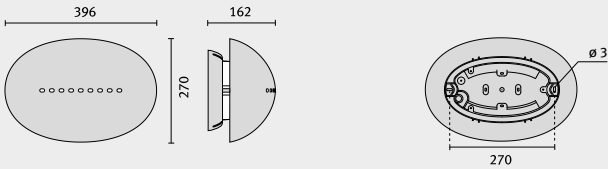
- Painted, die-cast aluminium body
- Satin glass cover
- Aluminium reflector
- Die-cast aluminium decorative cover and trim, either in chrome finish or painted white or metal grey finish
- Stainless steel and aluminium locking screws

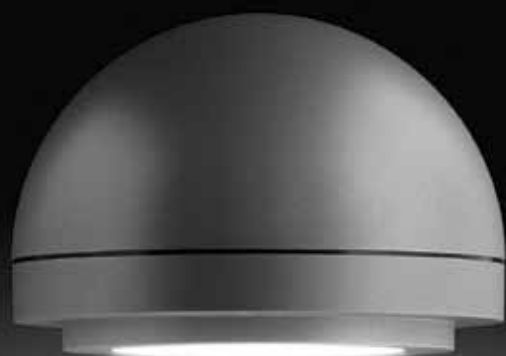


lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEL	code	notes
KAI TECH												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G24q-3	1x26 W	FSQ	WH1	I	44	• 2700	IK10 20J xx9	• A2			058557	
G24q-3	1x26 W	FSQ	GR2	I	44	• 2700	IK10 20J xx9	• A2			058558	

If information about Kelvin degrees is provided, this means that the lamp is included.

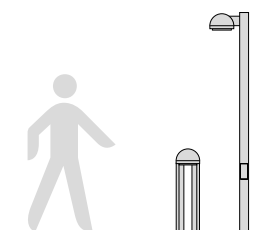
WH1 GR2





SKYGUARD

Prisma design



h max 2,5 m
h min 0,92 m

SKYGUARD is a range of wall, pole mounted and bollard fittings with a full cut-off optic, compliant with the standards UNI 10819 and the regional laws concerning light pollution.

SKYGUARD WALL, which can be mounted on a wall or a triangular post, is also available in the asymmetrical version, with extremely high performance.

SKYGUARD GARDEN has a post, divided into two sectors, that allow a Plexiglas panel to be inserted.

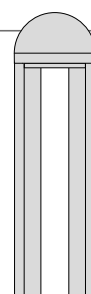
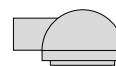
The panel can be customised with logos or other indications.

The SKYGUARD series uses fluorescent and metal halide light sources.

The series can be used in residential areas, offices, shopping centres, showrooms, large rooms, and also for access paths where there is also a need for adequate signage.



SKYGUARD WALL is also available in an emergency model (SKYGUARD WALL EM/3P).



SKYGUARD WALL

SKYGUARD WALL

	E27	max 1x75 W IAA
	GX24d-3	1x26 W FSM

SKYGUARD WALL/A

	G12	1x70 W MT
---	-----	-----------

SKYGUARD WALL EM/3P

	GX24q-2	1x18 W FSM
---	---------	------------

Outdoor luminaire, post and wall mounting, comprising:

- Painted die-cast aluminium housing and trim
- Clear glass cover
- Polymer gasket
- Anodised aluminium reflector
- Painted extruded aluminium bracket
- Models are available with asymmetric distribution (A) in anodized aluminium for metal halide lamps



lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ ≥ 0,9	EEL	code	notes
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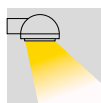


SKYGUARD WALL

E27	max 1x75 W	IAA	GR3	I	65	•	•			IK07 2J xx5		006632	
E27	max 1x75 W	IAA	AN3	I	65	•	•			IK07 2J xx5		006633	

Fluorescent - magnetic ballast 230 V 50 Hz

GX24d-3	1x26 W	FSM	GR3	I	65	•	•	2700		IK07 2J xx5	•	≤B2	006636
GX24d-3	1x26 W	FSM	AN3	I	65	•	•	2700		IK07 2J xx5	•	≤B2	006637



SKYGUARD WALL/A

Discharge - magnetic ballast

G12	1x70 W	MT	GR3	I	65	•				IK07 2J xx5	•		006666
G12	1x70 W	MT	AN3	I	65	•				IK07 2J xx5	•		006667



SKYGUARD WALL EM/3P

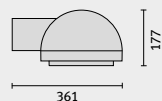
Emergency - electronic ballast

GX24q-2	1x18 W	FSM	GR3	I	65	•				IK07 2J xx5		A2÷A3	3007635 
GX24q-2	1x18 W	FSM	AN3	I	65	•				IK07 2J xx5		A2÷A3	3007645 

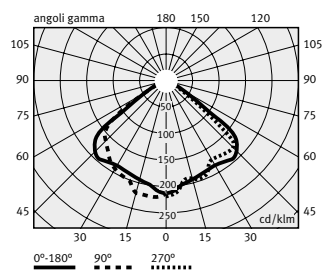
If information about Kelvin degrees is provided, this means that the lamp is included.

GR3

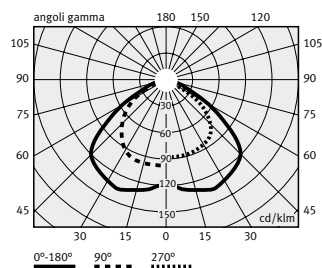
AN3



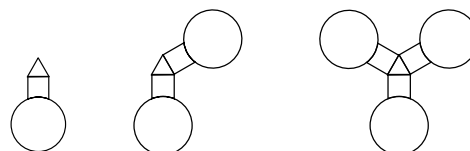
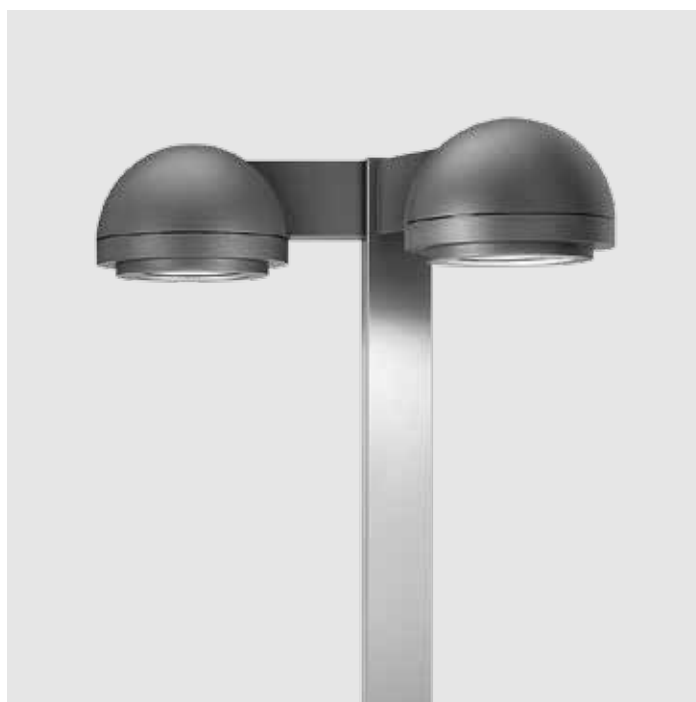
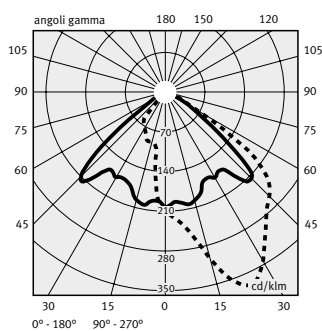
 SKYGUARD WALL
1x75 W IAA



 SKYGUARD WALL
1x26 W/T FSM



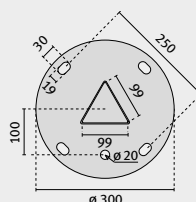
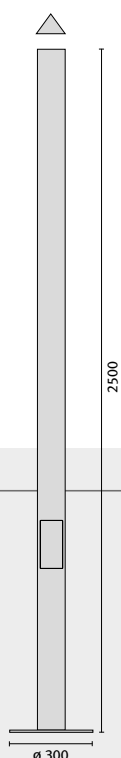
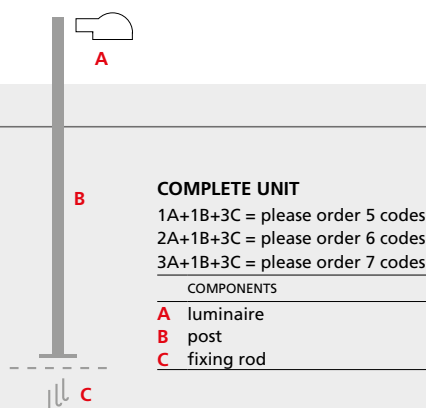
 SKYGUARD WALL/A
1x70 W MT



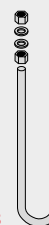
POST FOR SKYGUARD LUMINAIRE

Painted extruded aluminium pole, triangular section, 2500 mm height, complete with flange for connection to a ground support, it can house either one, two or three luminaires

description	colour	code
Triangular post 2500 c/w fl ange	AN3	000506
Triangular post 2500 c/w fl ange	GR3	000505
Fixing rod Ø 18 x 400		000768



000768



1 emergency - 1 hour
2 emergency - 2 hours
3 emergency - 3 hours

SKYGUARD GARDEN

SKYGUARD GARDEN 920			
	E27	max 1x75 W IAA	
	G12	1x35 W MT	
	GX24d-2	1x18 W FSM	

- Outdoor luminaire, post or wall mounted, comprising:
- Painted die cast aluminium housing and trim
 - Glass cover
 - Polymer gasket
 - Aluminium reflector
 - Painted extruded aluminium posts, available in two heights, 460 and 920 mm. Post comes complete with flange for connection to a ground support
 - Complying with the recommendations for glare control and upward light pollution

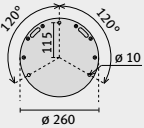
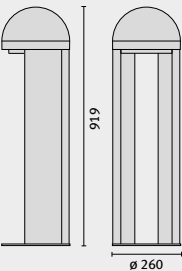


lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	---	---	--------	---	----------------	-----	------	-------

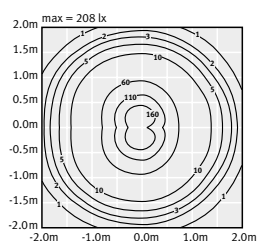
SKYGUARD GARDEN 920													
E27	max 1x75 W	IAA	GR3	I	55	•	•			IK07 2J xx5		006620	
E27	max 1x75 W	IAA	AN3	I	55	•	•			IK07 2J xx5		006621	
Fluorescent - magnetic ballast 230 V 50 Hz													
GX24d-2	1x18 W	FSM	GR3	I	55	•	•	2700		IK07 2J xx5	≤B2	006622	
GX24d-2	1x18 W	FSM	AN3	I	55	•	•	2700		IK07 2J xx5	≤B2	006623	
Discharge - magnetic ballast													
G12	1x35 W	MT	GR3	I	55	•	•			IK07 2J xx5	•	006624	
G12	1x35 W	MT	AN3	I	55	•	•			IK07 2J xx5	•	006625	

If information about Kelvin degrees is provided, this means that the lamp is included.

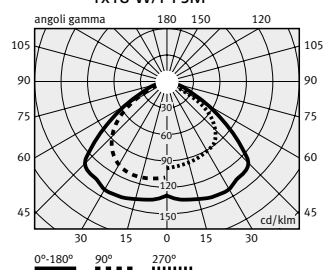
GR3 AN3



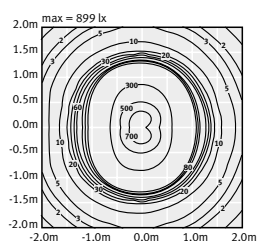
 **SKYGUARD GARDEN 920**
1x18 W/T FSM



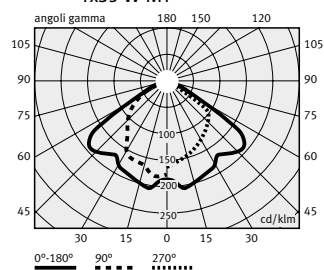
 **SKYGUARD GARDEN**
1x18 W/T FSM



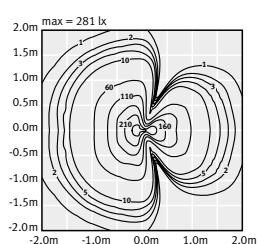
 **SKYGUARD GARDEN 920**
1x35 W MT



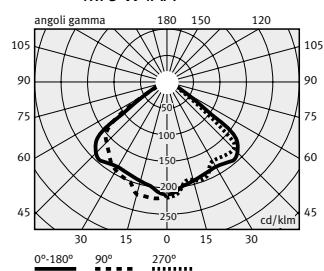
 **SKYGUARD GARDEN**
1x35 W MT



 **SKYGUARD GARDEN 920**
1x75 W IAA



 **SKYGUARD GARDEN**
1x75 W IAA

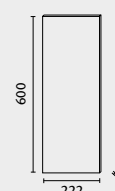


Transparent Plexiglas panel to be installed between the post shafts, it can be customised with signs or logos



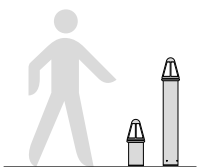
description	colour	code
Transparent Plexiglas panel	TR1	000504

000504



MIMO

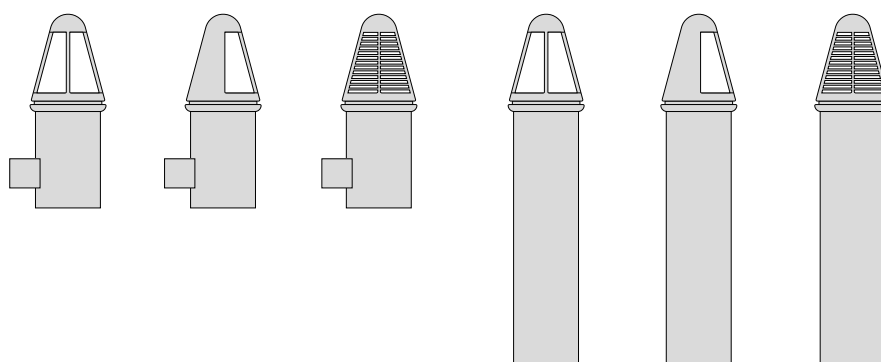
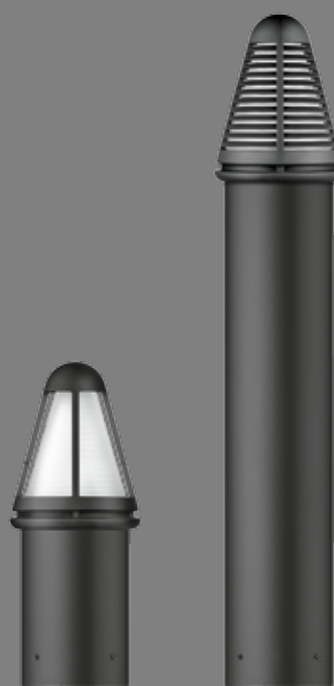
design Roberto Fiorato



h max 1,15 m
h min 0,55 m

Range of outdoor wall or post mounted luminaires with conical diffuser in frosted glass, with four different covers in die-cast anti-corrosion aluminium and wall bracket in extruded aluminium. The various covers control the light distribution with options for open, grill, anti-glare louvre or completely screened.

The lamp compartment is designed for incandescent, fluorescent or discharge light sources. MIMO is ideal for residential areas, pedestrian walkways in cities, and external areas in public and private settings.



MIMO

	E27	max 1x100 W IAA
	E27	max 1x23 W Dulux EL Longlife
	E27	max 1x23 W PHILIPS PL-E
	E27	max 1x70 W ME
	G24q-3	1x26 W FSQ

Outdoor luminaire comprising:

- Die-cast aluminum non corroding cover black anodised or grey metallic painted
- Wired gear tray/cover assembly including satin glass diffuser and self-extinguishing polycarbonate housing (class V0 rated, 960° C glow wire test) complete with electrical gear

lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	---	--------	---	----------------	-----	------	-------

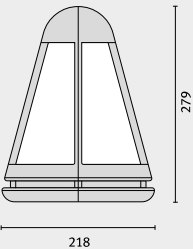
MIMO												
E27	max 1x100 W IAA		I	44	•	•					007286	
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G24q-3	1x26 W FSQ		I	44	•				•	A2	057287	
Discharge - magnetic ballast 230 V 50 Hz												
E27	max 1x70 W ME		I	44	•	•	4000		•		007289	

If information about Kelvin degrees is provided, this means that the lamp is included.

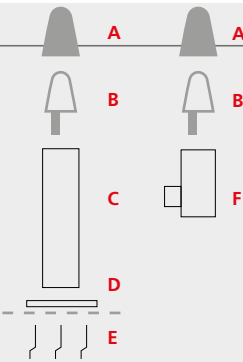
description	colour		code
MIMO cover AA (trim + trim)	BK4	IK06 1J xx3	009350
MIMO cover AV (trim + visa)	BK4	IK06 1J xx3	009352
MIMO cover GG (grill + grill)	BK4	IK10 20J xx9	009354

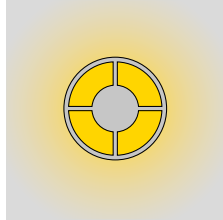
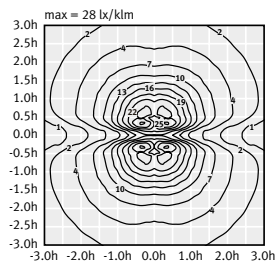
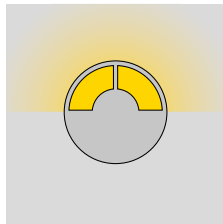
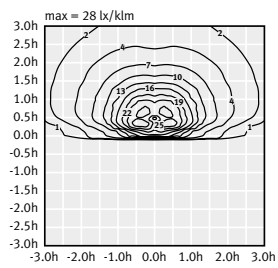
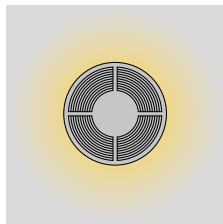
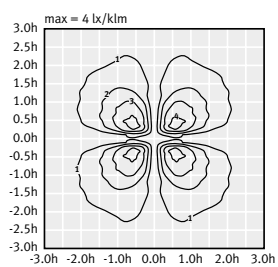


BK4



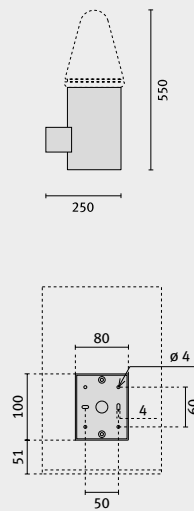
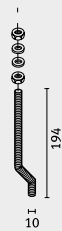
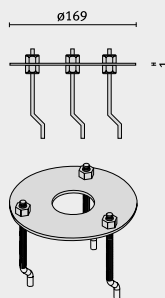
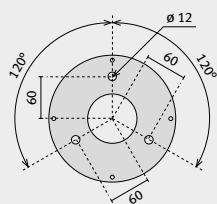
COMPLETE UNIT	
1A+1B+1C+1D+3E = please order 7 codes	
1A+1B+1F = please order 3 codes	
COMPONENTS	CODES
A mask	
B housing	
C post	> page 57
D ground plate	> page 57
E fixing rod	> page 57
F bracket	> page 57



MIMO AA**MIMO AA****MIMO AV****MIMO AV****MIMO GG****MIMO GG**



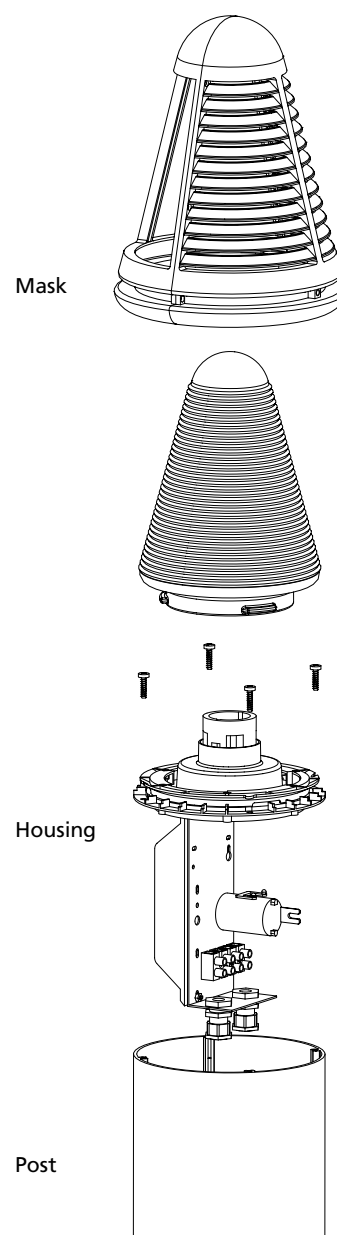
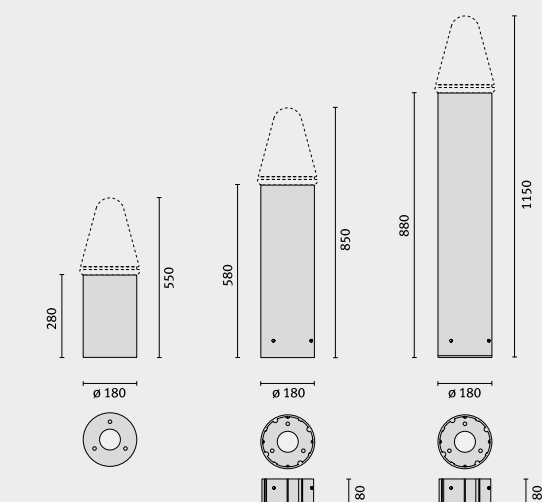
PERFORMANCE IN LIGHTING HEAD OFFICE - VERONA (ITALY)



MIMO

- Extruded aluminium post black anodised or grey metallic painted complet with ground plate
- Ground plate with fixing rod to be ordered separately
- Extruded aluminium wall bracket black anodised or grey metallic painted
- Fitting is complete when installed on post or on bracket
- The magnetic ballasts installed in the fluorescent versions are equipped with thermal cut-off device, according to the EN 60598-1:2004 Standard
- Maintain and clean the black anodized aluminium parts by using a soft cloth soaked with vaseline oil

description	colour	code
Bracket	BK4	000821
Post Ø 180 h 280	BK1	009364
Post Ø 180 h 580	BK1	009366
Post Ø 180 h 880	BK1	009368
Ground plate		009370
Fixing rod		008981

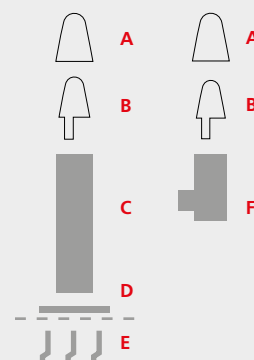


COMPLETE UNIT

1A+1B+1C+1D+3E = please order 7 codes

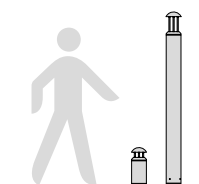
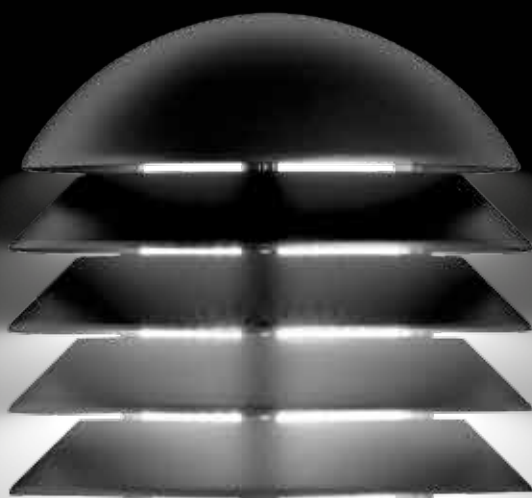
1A+1B+1F = please order 3 codes

COMPONENTS	CODES
A mask	> page 54
B housing	> page 54
C post	
D ground plate	
E fixing rod	
F bracket	



INDEX

design Roberto Fiorato



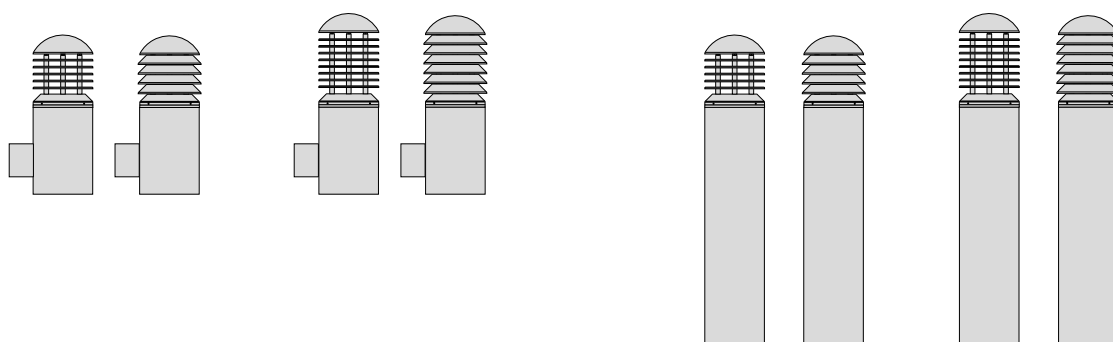
h max 2,08 m
h min 0,44 m

A range of outdoor wall or post luminaires, with diffusers in two different heights in frosted blown glass.

Each diffuser can be used with two different covers in die-cast aluminium: completely open, with protective grid or with an anti-glare louver grid.

The wall mount bracket or post (in four different heights) is available in extruded aluminium or in wood treated with an environmentally safe varnish, sympathetically blends in architecturally restored building areas. The INDEX luminaires, depending on the height of the diffuser, are designed for incandescent and fluorescent light sources.

The series is suitable for residential areas, pedestrian walkways in cities, and external areas in public and private settings.

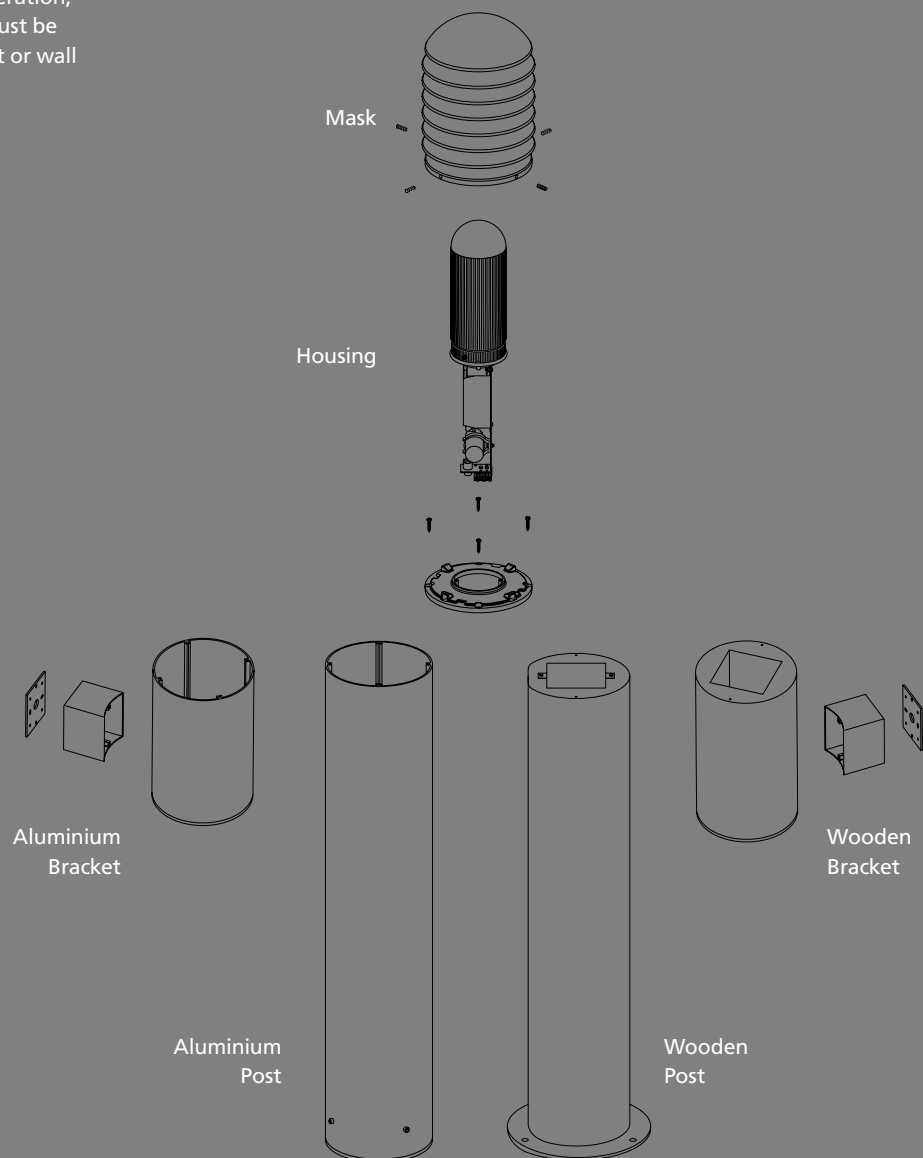




PRIVATE CHALET - VAL FERRET - COURMAYEUR (ITALY)

Periodical treatment with filler is highly recommended, to preserve wood integrity under heavy environmental conditions.

For a proper operation,
the luminaire must be
installed on post or wall
bracket.



INDEX

INDEX 4

	E27	max 1x60 W IAA
	G24q-2	1x18 W FSQ

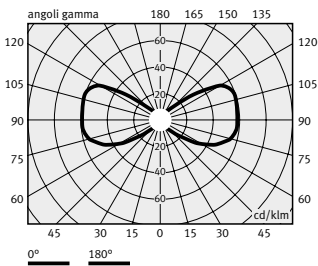
INDEX 6

	E27	max 1x75 W IAA
	G24q-3	1x26 W FSQ

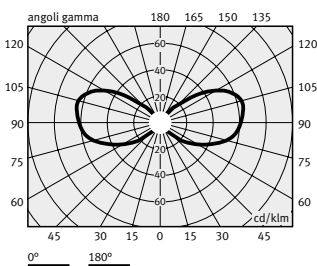
Outdoor luminaire in two sizes, post or wall mounted, comprising:

- Die cast non corroding aluminium cover, in black, metallic grey or rust brown finish
- “R” cover version is provided with a die cast non corroding aluminium raster, to direct light downwards, in black, metallic grey or rust brown finish
- “G” cover version is provided with a protective die cast non corroding aluminium grid, in black, metallic grey or rust brown finish, to protect the diffuser and partially orient the light.
- Wired gear tray/cover assembly composed of satin glass diffuser, self-extinguishing technopolymer (V0-UL94 rated, 960° C glow wire test) housing and electrical gear.
- For a proper operation, the luminaire must be installed on post or wall bracket

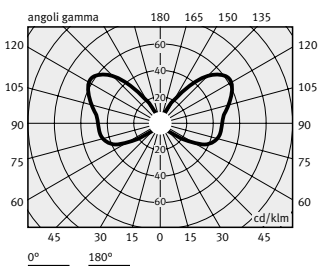
 INDEX 4 - 1x60 W IAA



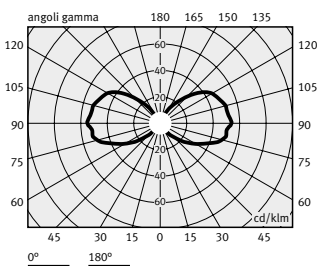
 INDEX 4 - 1x18 W FSQ



 INDEX 6 - 1x75 W IAA



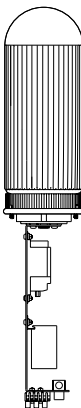
 INDEX 6 - 1x26 W FSQ



INDEX 4



INDEX 6



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
------------	---	-------	--------	-------	----	--------	-------------------------	-----	------	-------

INDEX 4

E27	max 1x60 W	IAA	I	44	• •				008362	
Fluorescent - electronic ballast 220/240 V 50/60 Hz										
G24q-2	1x18 W	FSQ	I	44	•	2700			A2÷A3	058363

INDEX 6

E27	max 1x75 W	IAA	I	44	• •				008365	
Fluorescent - electronic ballast 220/240 V 50/60 Hz										
G24q-3	1x26 W	FSQ	I	44	•	2700		•	A2	058366

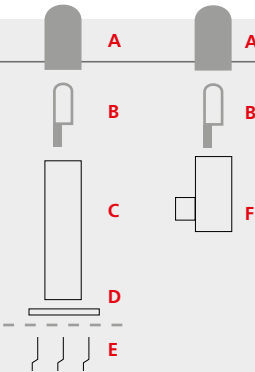
If information about Kelvin degrees is provided, this means that the lamp is included.

COMPLETE UNIT

1A+1B+1C+1D+3E = please order 7 codes

1A+1B+1F = please order 3 codes

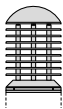
COMPONENTS	
A	mask > pag. 64
B	housing > pag. 66
C	post > pag. 66
D	ground plate > pag. 66
E	fixing rod > pag. 66
F	bracket > pag. 67





TORGTRYGGEN BUILDING - OSLO (NORWAY)

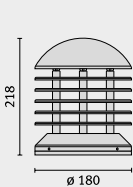
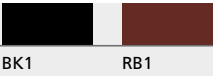
INDEX



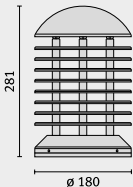
description	colour		code
INDEX G			
Cover INDEX 4 guard	BK1	IK10 20J xx9	000916
Cover INDEX 4 guard	RB1	IK10 20J xx9	000918
Cover INDEX 6 guard	BK1	IK10 20J xx9	000925
Cover INDEX 6 guard	RB1	IK10 20J xx9	000927



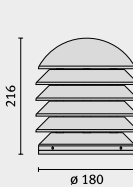
description	colour		code
INDEX R			
Cover INDEX 4 louvre	BK1	IK10 20J xx9	000913
Cover INDEX 4 louvre	RB1	IK10 20J xx9	000915
Cover INDEX 6 louvre	BK1	IK10 20J xx9	000922
Cover INDEX 6 louvre	RB1	IK10 20J xx9	000924



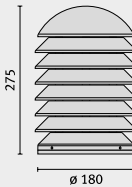
INDEX 4G



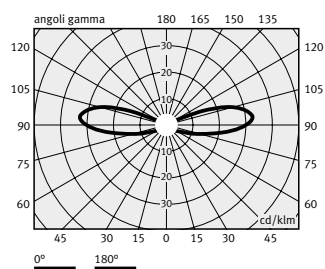
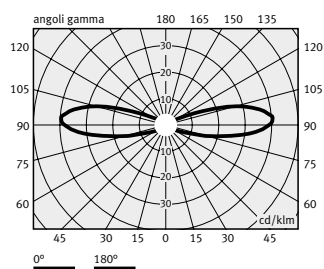
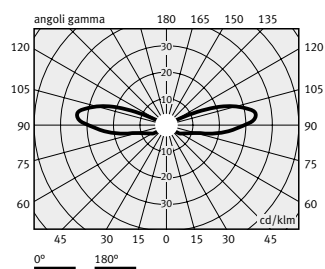
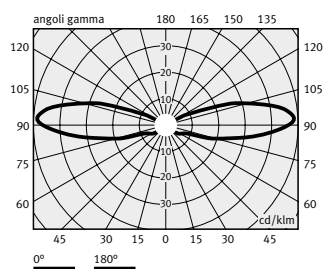
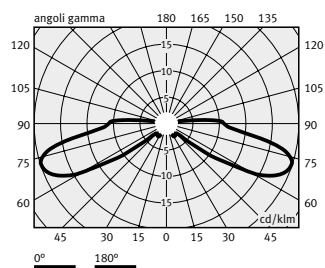
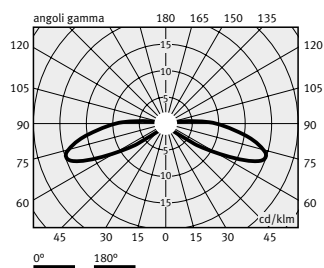
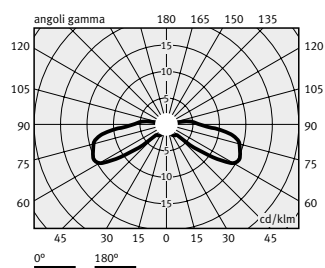
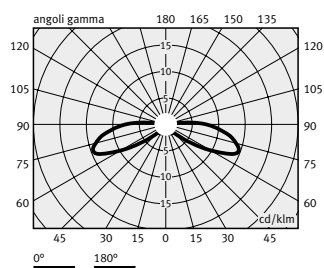
INDEX 6G



INDEX 4R



INDEX 6R

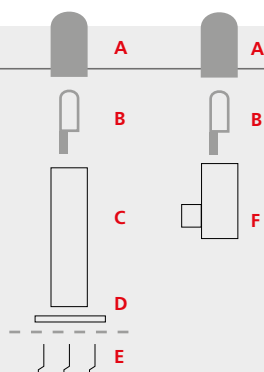
 **INDEX 4G - 1x60 W IAA**

 **INDEX 4G - 1x18 W FSQ**

 **INDEX 6G - 1x75 W IAA**

 **INDEX 6G - 1x26 W FSQ**

 **INDEX 4R - 1x60 W IAA**

 **INDEX 4R - 1x18 W FSQ**

 **INDEX 6R - 1x75 W IAA**

 **INDEX 6R - 1x26 W FSQ**
**COMPLETE UNIT**

1A+1B+1C+1D+3E = please order 7 codes

1A+1B+1F = please order 3 codes

COMPONENTS

- | | | |
|----------|--------------|-----------|
| A | mask | |
| B | housing | > pag. 62 |
| C | post | > pag. 66 |
| D | ground plate | > pag. 66 |
| E | fixing rod | > pag. 66 |
| F | bracket | > pag. 67 |



INDEX

ACCESSORIES

- Posts and brackets
- Range of extruded aluminium UNI 6005 posts available in three heights, 280, 580 and 880 mm. Colour finish: black anodised.
 - Post comes complete with flange for connection to a ground support
 - Ground plate with fixing rods, available upon request
 - Extruded aluminium UNI 6005 wall bracket in black anodised
 - Kiefer pinewood post, available in four heights. 320, 630, 840 and 1510 mm, complete with cataphoresis treated steel flange, in black finish

Maintenance

Periodical treatment with filler is highly recommended, to preserve wood integrity under heavy environmental conditions

Remarks

Avoid direct contact between wood and soil, as moisture may render harmful action of frost and other biological agents, by using the specific ground plate

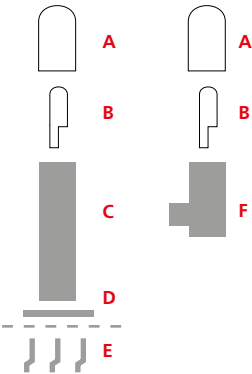


COMPLETE UNIT

1A+1B+1C+1D+3E = please order 7 codes

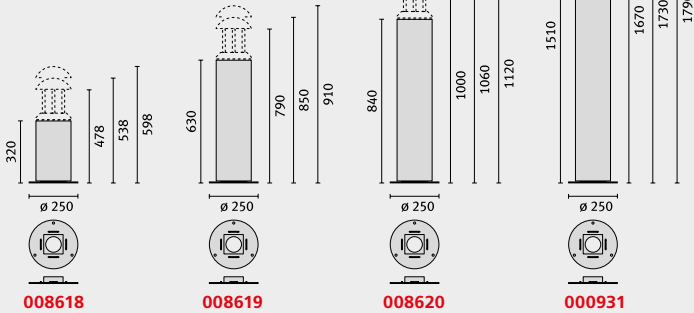
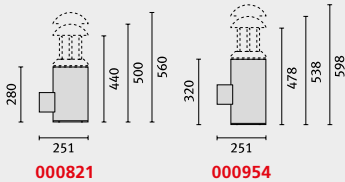
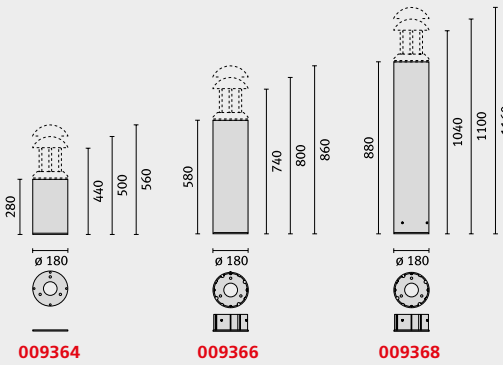
1A+1B+1F = please order 3 codes

COMPONENTS		
A	mask	> pag. 64
B	housing	> pag. 62
C	post	
D	ground plate	
E	fixing rod	
F	bracket	

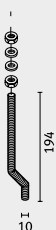
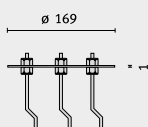
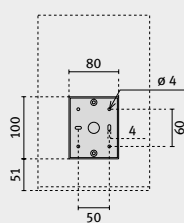
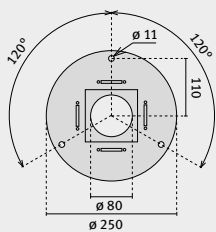


description	colour	code
Post Ø 180 h 280	BK1	009364
Post Ø 180 h 580	BK1	009366
Post Ø 180 h 880	BK1	009368
Wooden post Ø 180 h 1500		000931
Wooden post Ø 180 h 300		008618
Wooden post Ø 180 h 620		008619
Wooden post Ø 180 h 830		008620
Ground plate		009370
Fixing rod		008981

BK1 BK4



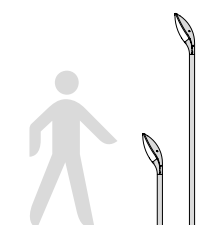
description	colour	code
Bracket	BK4	000821
Wooden bracket		000954





ALTHEA

design Giuseppe Raimondi



h max 2,5 m
h min 1 m

Outdoor luminaire, for wall or post mounted installation, with housing in aluminium and diffuser in pressed frosted glass.

The aluminium wall mount bracket facilitates installation, both for the normal models and for the 90° corner models. The aluminium post comes in three different heights.

The soft, flowing design that mimics natural shapes, and the large sized diffuser make ALTHEA perfect for landscape lighting in gardens in public and residential areas, where an attractive display is important.



ALTHEA

	E27	max 1x150 W IAA
	E27	max 1x27 W PHILIPS PL-E max 1x23 W Dulux EL Longlife
	G24q-2	2x18 W FSQ
	G24q-3	1x26 W FSQ

Outdoor luminaire comprising:

- Anticorrosion aluminium housing and trim
- Satin glass diffuser
- Silicon gasket
- Stainless steel screws
- Painted extruded aluminium posts 60 and 120 cm height. To fit directly to concrete or by means of a ground plate
- 200 cm painted extruded aluminium post supplied either complete with welded flange or without flange, the latter version to fit directly to concrete slab
- Painted aluminium wall bracket
- Fitting is complete when installed on posts or on brackets

COMPLETE UNIT

1A+1B = please order 2 codes

1A+1C = please order 2 codes

1A+1D = please order 2 codes

1A+1C+1E = please order 3 codes

COMPONENTS	
A	luminaire
B	bracket
C	post
D	post c/w welded flange
E	mounting plate

lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	---	---	--------	---	----------------	-----	------	-------

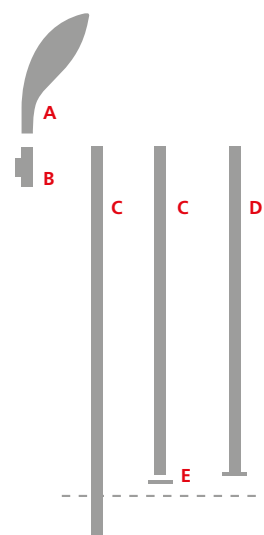
ALTHEA

E27	max 1x150 W IAA	GR2	I	44	• •					IK04 0,50J xx3		007801	
E27	max 1x150 W IAA	AN2	I	44	• •					IK04 0,50J xx3		007802	

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G24q-2	2x18 W	FSQ	GR2	I	44	•	2700	IK04 0,50J xx3	•	A2		057807	
G24q-2	2x18 W	FSQ	AN2	I	44	•	2700	IK04 0,50J xx3	•	A2		057808	
G24q-3	1x26 W	FSQ	GR2	I	44	•	2700	IK04 0,50J xx3	•	A2		057804	
G24q-3	1x26 W	FSQ	AN2	I	44	•	2700	IK04 0,50J xx3	•	A2		057805	

If information about Kelvin degrees is provided, this means that the lamp is included.

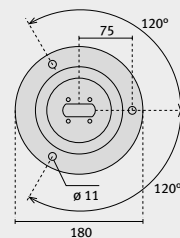
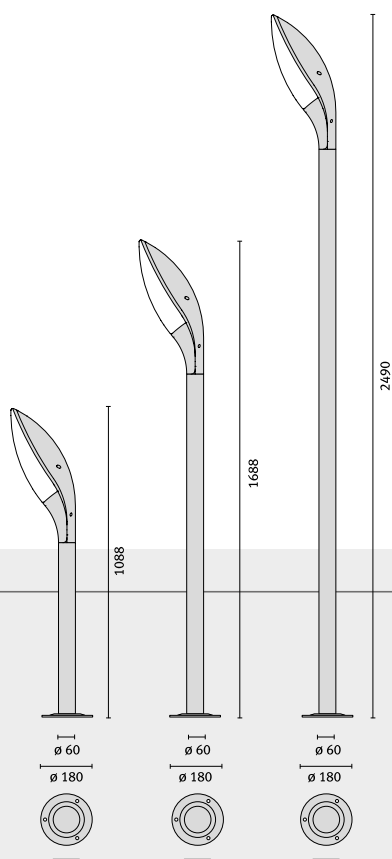
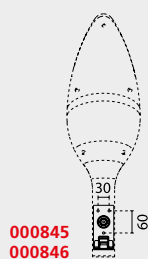


GR2

AN2



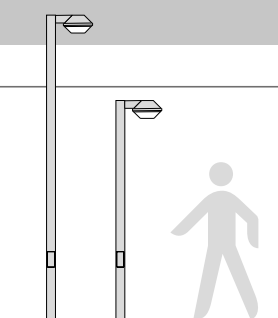
description	colour	code
Bracket	GR2	000845
Bracket	AN2	000846
Post 60	AN2	000828
Post 60	GR2	000827
Post 120	GR2	000830
Post 120	AN2	000831
Post 200 c/w welded flange	AN2	000869
Post 200 c/w welded flange	GR2	000868
Moumting plate	AN2	000837
Moumting plate	GR2	000836





BASIC+

design Roberto Fiorato



h max 3,5 m
h min 2,5 m

Wall / post-mounted outdoor fixtures with aluminium body and glass diffuser. Also available with grill. BASIC+ is designed for fluorescent or metal halide lamps. The triangular-section post can hold 1-3 fixtures, and the square section post can hold 1-2 fixtures on the same axis. Ideal for lighting extensive outdoor areas in industrial and commercial complexes.



BASIC+ is also available in emergency models (BASIC+ EM/3P - BASIC+/G EM/3P).

BASIC+

BASIC+

	E27	max 1x23 W FBT
	G12	1x70 W MT
	G24q-3	1x26 W FSQ
	GX24q-5	1x57 W FSM

BASIC+ EM/3P

	G24q-3	1x26 W FSQ
--	--------	------------



Outdoor fixtures for wall and post-mounting, comprising:

- Housing, ring and grid in die-cast aluminium, painted
- Reflector in aluminium
- Diffuser in smooth glass, internally painted
- Cone gaskets
- Stainless steel locking screws
- The EM/3P model is designed for multipurpose and emergency lighting
- 3 hours
- Recharges in 24 hours
- Painted, die-cast, aluminium shelves are available as accessories
- Use "G" version for extra glass protection

lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
------------	---	-------	--------	-------	----	---	---	--------	---	----------------	-----	------	-------

BASIC+

E27	max 1x23 W	FBT	GR3	I	65	•		IK06 1J xx3				300879	
E27	max 1x23 W	FBT	AN3	I	65	•		IK06 1J xx3				300878	

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G24q-3	1x26 W	FSQ	GR3	I	65	•		IK06 1J xx3	•	A2		3008815	
G24q-3	1x26 W	FSQ	AN3	I	65	•		IK06 1J xx3	•	A2		3008805	
GX24q-5	1x57 W	FSM	GR3	I	65	•		IK06 1J xx3	•	A2		3008855	
GX24q-5	1x57 W	FSM	AN3	I	65	•		IK06 1J xx3	•	A2		3008845	

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x70 W	MT	GR3	I	65	•		IK06 1J xx3	•			3008835	
G12	1x70 W	MT	AN3	I	65	•		IK06 1J xx3	•			3008825	

BASIC+EM/3P

Emergency - electronic ballast

G24q-3	1x26 W	FSQ	GR3	I	65	•		IK06 1J xx3	•	A2		3008895	
G24q-3	1x26 W	FSQ	AN3	I	65	•		IK06 1J xx3	•	A2		3008885	

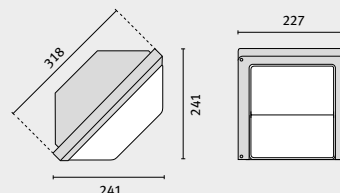
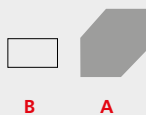
GR3

AN3

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS	CODES
A luminaire	
B bracket	> pag. 76



BASIC+/G

BASIC+/G

	E27	max 1x23 W FBT
	G12	1x70 W MT
	G24q-3	1x26 W FSQ
	GX24q-5	1x57 W FSM

BASIC+/G EM/3P

	G24q-3	1x26 W FSQ
--	--------	------------



lampholder	W	ILCOS	colour	class	IP		Kelvin		$\cos \phi$ $\geq 0,9$	EEL	code	notes
------------	---	-------	--------	-------	----	---	--------	---	---------------------------	-----	------	-------

BASIC+/G

E27	max 1x23 W	FBT	GR3	I	65	•	IK06 1J xx3				300891	
E27	max 1x23 W	FBT	AN3	I	65	•	IK06 1J xx3				300890	

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G24q-3	1x26 W	FSQ	GR3	I	65	•	IK06 1J xx3	•	A2		3008935	
G24q-3	1x26 W	FSQ	AN3	I	65	•	IK06 1J xx3	•	A2		3008925	
GX24q-5	1x57 W	FSM	GR3	I	65	•	IK06 1J xx3	•	A2		3008975	
GX24q-5	1x57 W	FSM	AN3	I	65	•	IK06 1J xx3	•	A2		3008965	

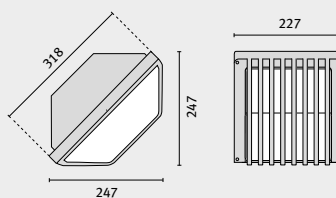
Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x70 W	MT	GR3	I	65	•	IK06 1J xx3	•			3008955	
G12	1x70 W	MT	AN3	I	65	•	IK06 1J xx3	•			3008945	

BASIC+/G EM/3P

Emergency - electronic ballast

G24q-3	1x26 W	FSQ	GR3	I	65	•	IK06 1J xx3	•	A2		3009015	
G24q-3	1x26 W	FSQ	AN3	I	65	•	IK06 1J xx3	•	A2		3009005	



1
emergency - 1 hour

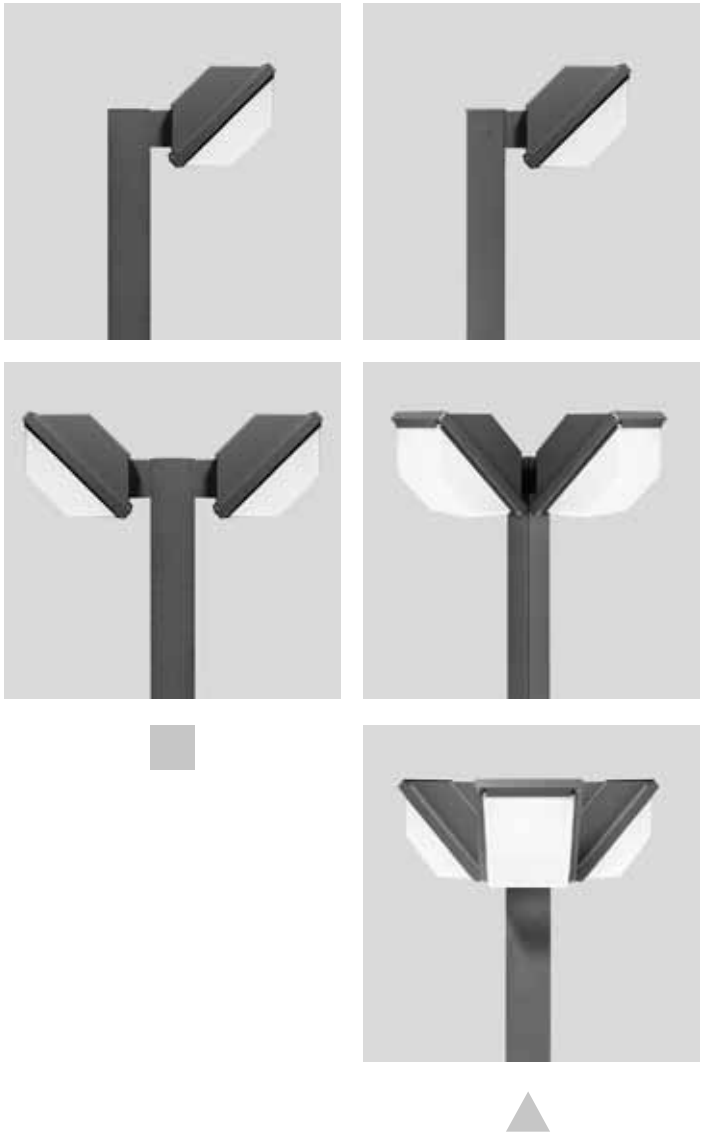
2
emergency - 2 hours

3
emergency - 3 hours

POSTS FOR THE SERIES

BASIC+

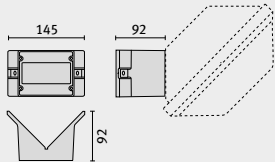
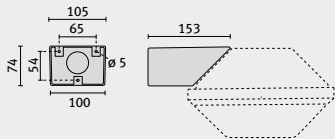
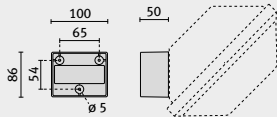
- ↪ Three types of painted die-cast aluminium shelves
- ↪ Square and triangular painted posts (100x100 cm) with welded aluminium flange
- ↪ Product installation requires one of the three shelf types to be ordered

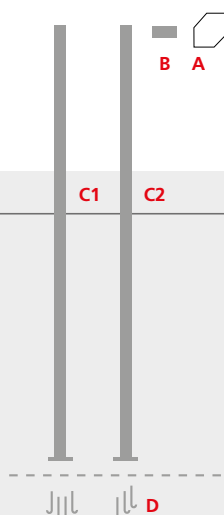
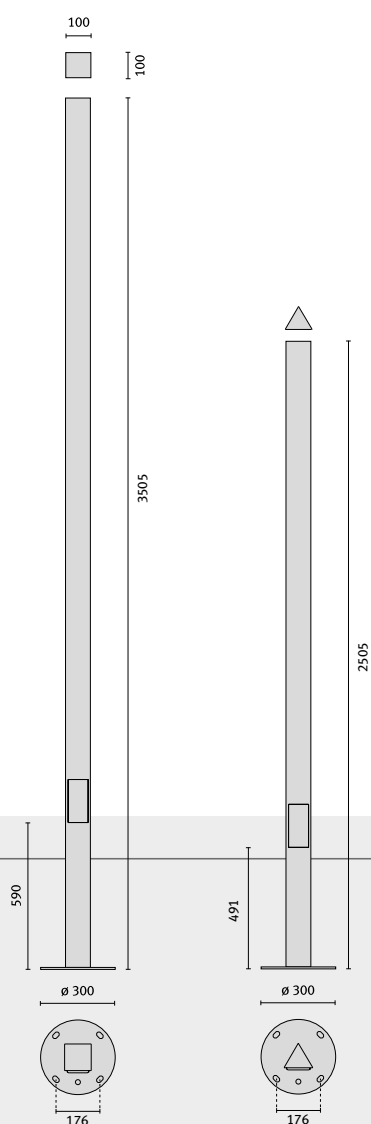
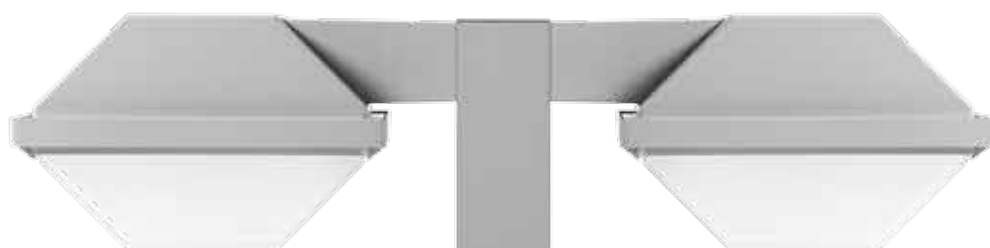


description	colour	code
Bracket 45°	AN3	310225
Bracket 45°	GR3	310226
Corner bracket	AN3	310229
Corner bracket	GR3	310230
Bracket	AN3	310227
Bracket	GR3	310228
Pole Q100 F.T. 3500 c/w flange	AN3	315015
Pole Q100 F.T. 3500 c/w flange	GR3	315016
Triangular post 2500 C/FL	GR3	315014
Triangular post 2500 C/FL	AN3	315013

GR3

AN3

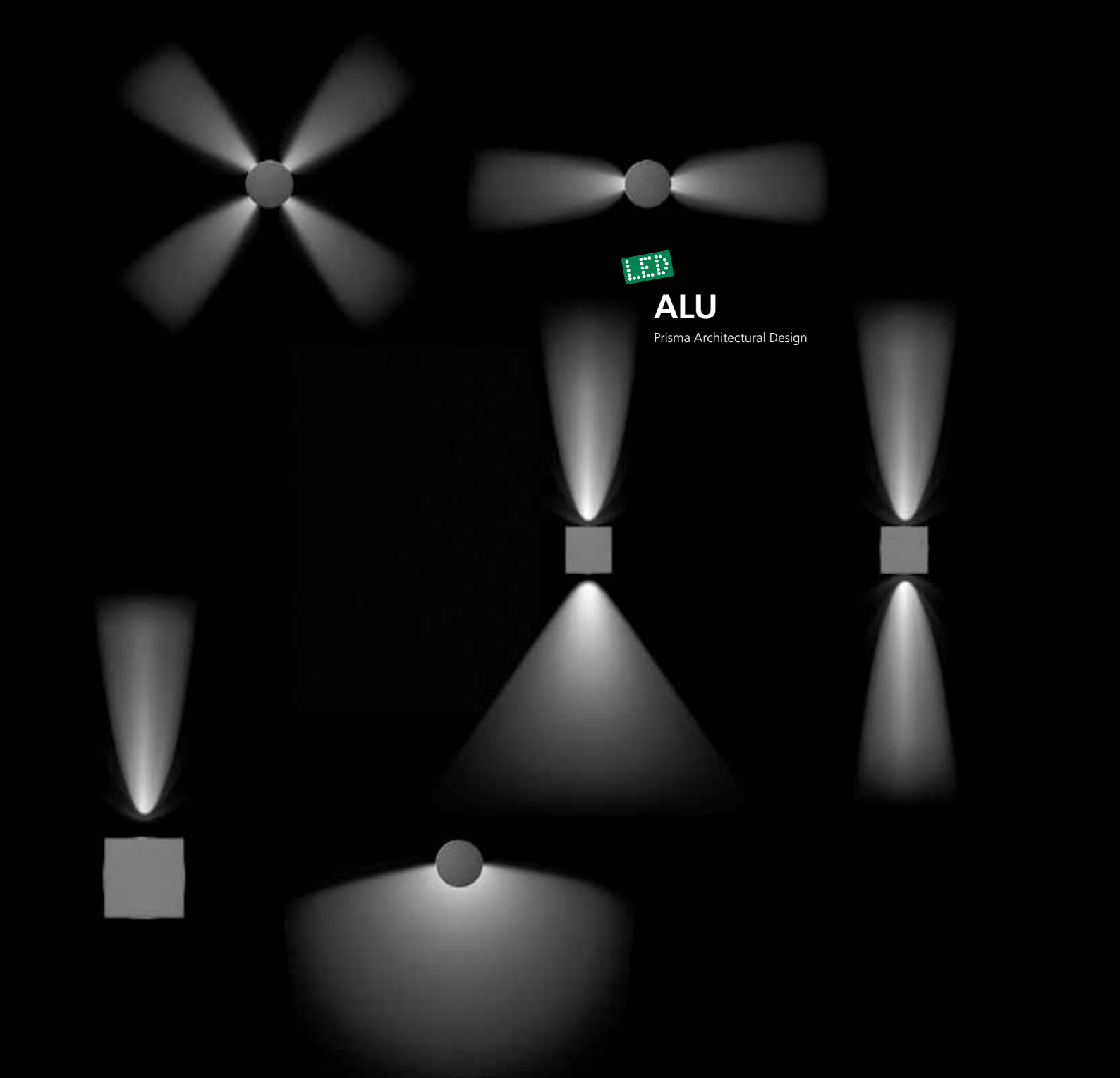


**COMPLETE UNIT**

1A+1B+1C1+4D = please order 7 codes

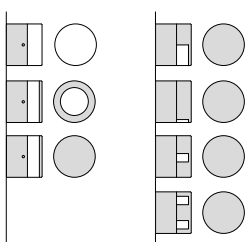
1A+1B+1C2+3D = please order 6 codes

COMPONENTS	CODES
A luminaire	> pag. 74-75
B bracket	
C1 Q100 post FT	
C2 triangular post	
D fixing rod	

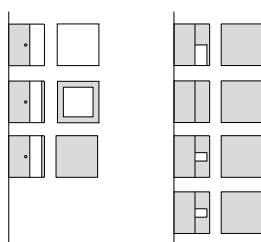


ALU

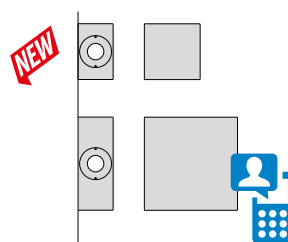
Prisma Architectural Design



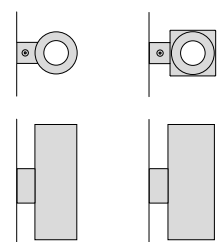
ALU ROUND



ALU SQUARE



ALU 1 - 2 - 4
ALU 1 - 2 - 4 220-240



ALU WALL

Comprehensive range of small indoor and outdoor LED fittings, featuring wall mounted, in-ground, and pole mounted versions. The wide range of wall mounted fittings are available as single or double emission, with screens for directed emission and versions with lenses that create light beams with different widths. Anodised aluminium body finished painted black or grey.

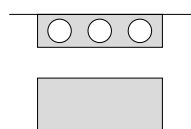
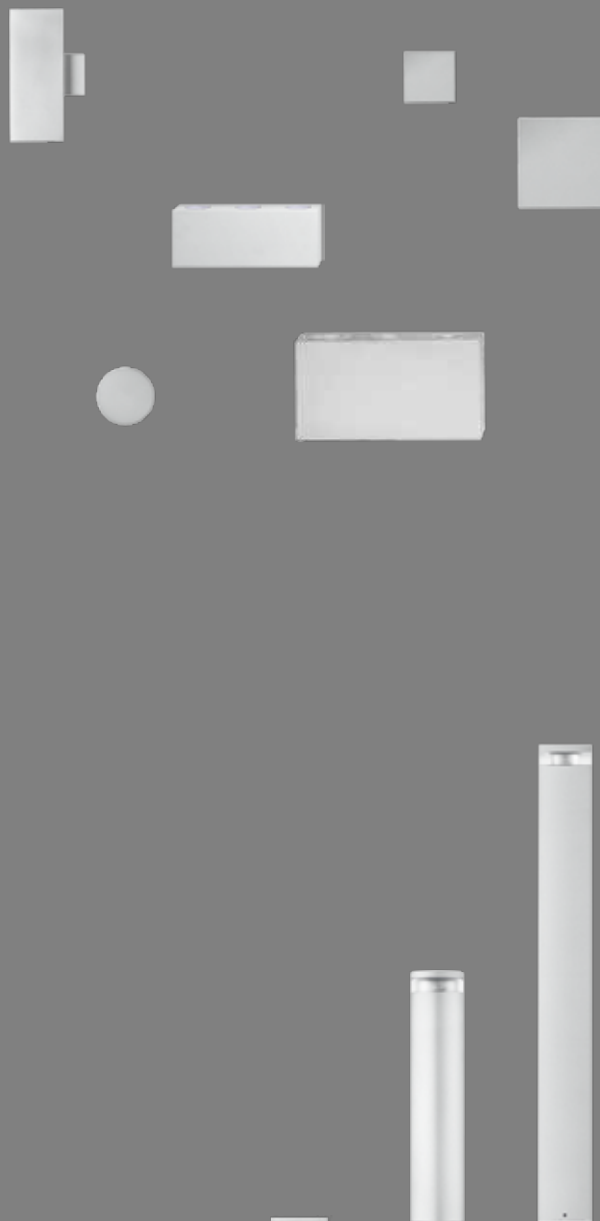
The ALU 220-240 versions are complete with integral driver / transformer and offered with various lens options. With the ALU and ALU LINEAR versions, customisable beam combinations can be created.

A special tool is provided, as an accessory with the lenses, for easy installation.

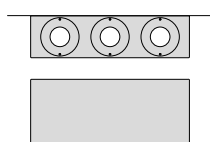
All fittings are equipped with either high power white LED's; 3000 K (warm white) or 6000 K (cool white).

The ALU series is suitable for marking outdoor paths or for accent lighting of architectural features and buildings.

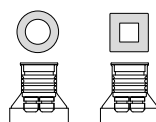
The combination of lenses and beam options bring together a range of products that provide an aesthetic homogenous lighting solution.



ALU LINEAR



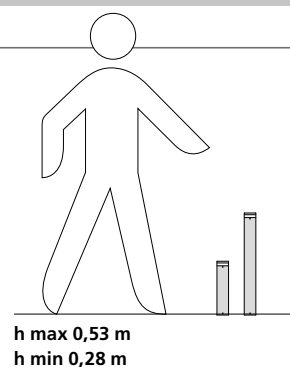
ALU LINEAR 220-240

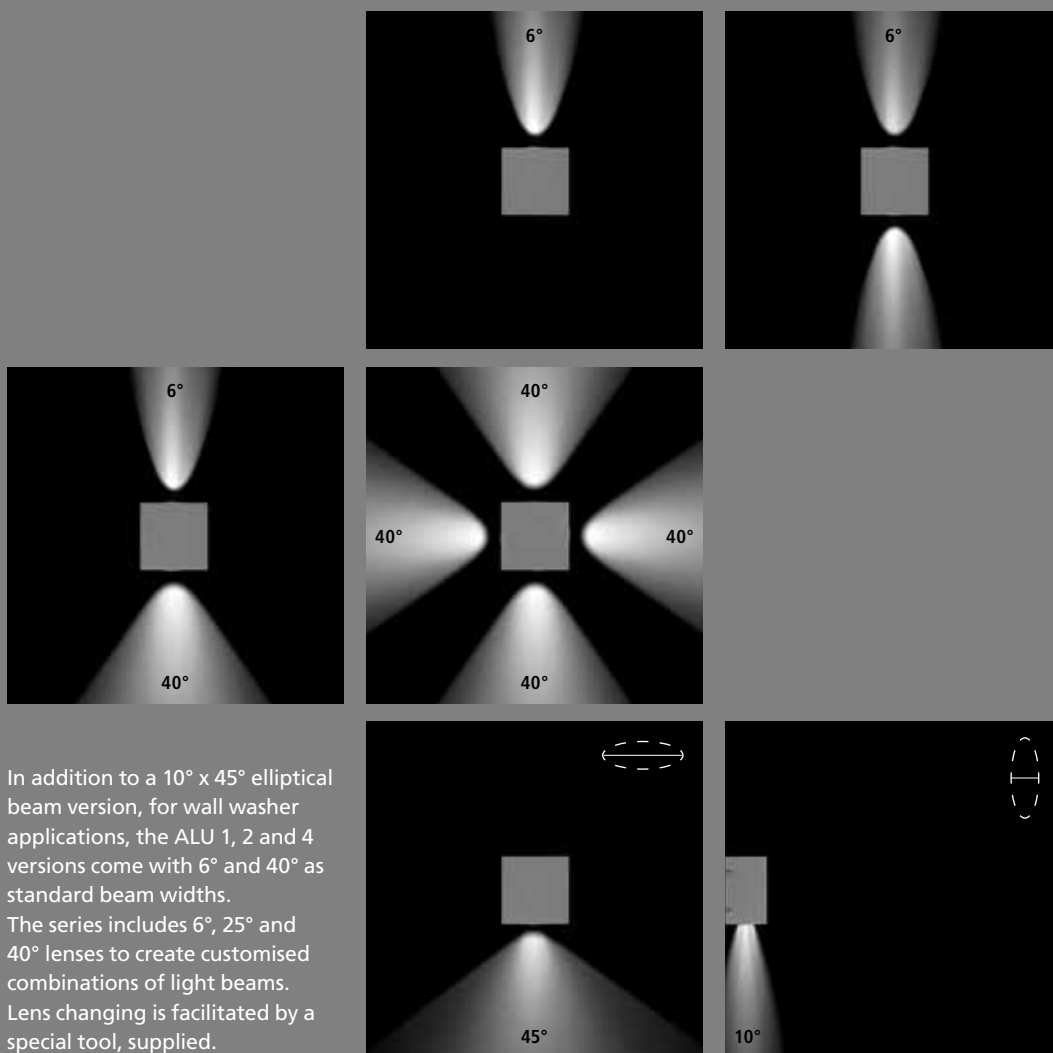


ALU INGROUND



Please contact us to check availability on the products marked with this symbol.



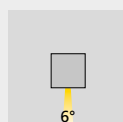


In addition to a 10° x 45° elliptical beam version, for wall washer applications, the ALU 1, 2 and 4 versions come with 6° and 40° as standard beam widths. The series includes 6°, 25° and 40° lenses to create customised combinations of light beams. Lens changing is facilitated by a special tool, supplied.

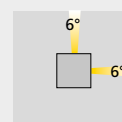
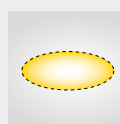
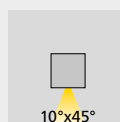
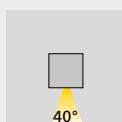
The ALU 1, 2 and 4 versions come with lenses that provide light beams of different widths. The beams can be positioned in any direction. All fixtures are available with warm and cool white light.



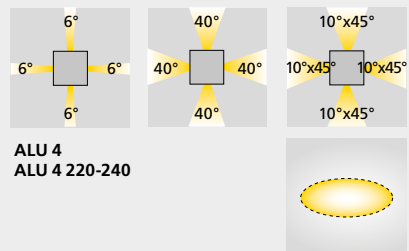
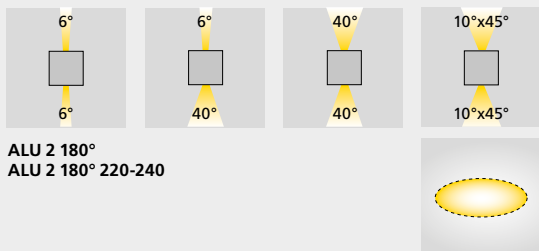
The 220-240 versions are complete with built-in driver for direct connection to the mains supply.



ALU 1
ALU 1 220-240

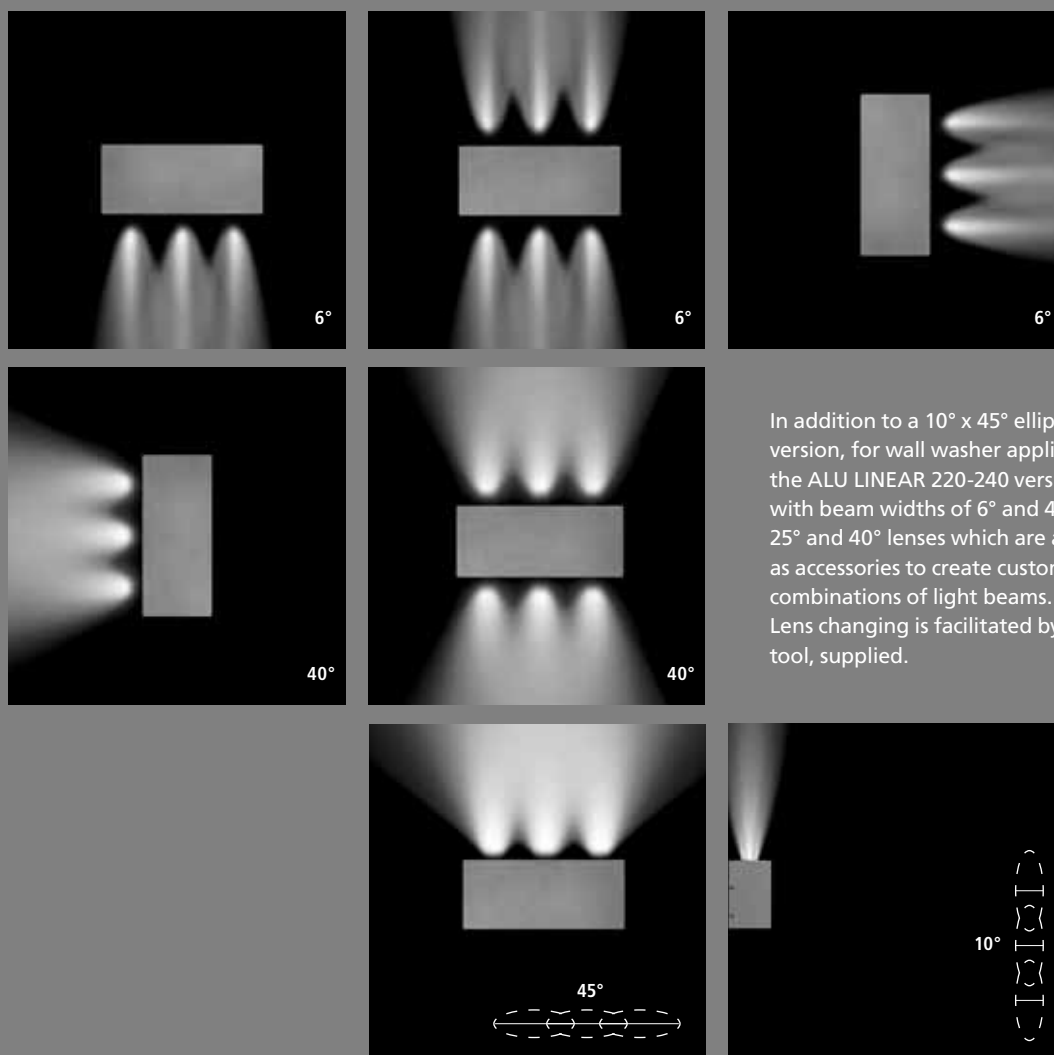


ALU 2 90°
ALU 2 90° 220-240





The ALU LINEAR 220-240 version is complete with built-in driver for direct connection to the mains supply.

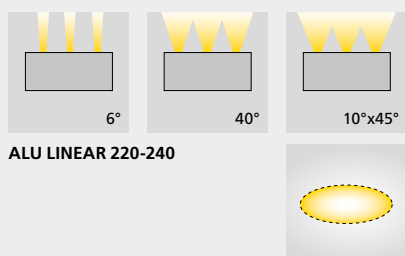


In addition to a 10° x 45° elliptical beam version, for wall washer applications, the ALU LINEAR 220-240 version comes with beam widths of 6° and 40°. 6°, 25° and 40° lenses which are available as accessories to create customised combinations of light beams. Lens changing is facilitated by a special tool, supplied.

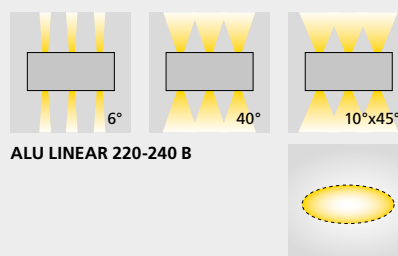
The ALU LINEAR 220-240 version is a single or double emission wall-mounted fitting, with lenses that generate three or six light beams of various widths.

The beam can be positioned in any direction.

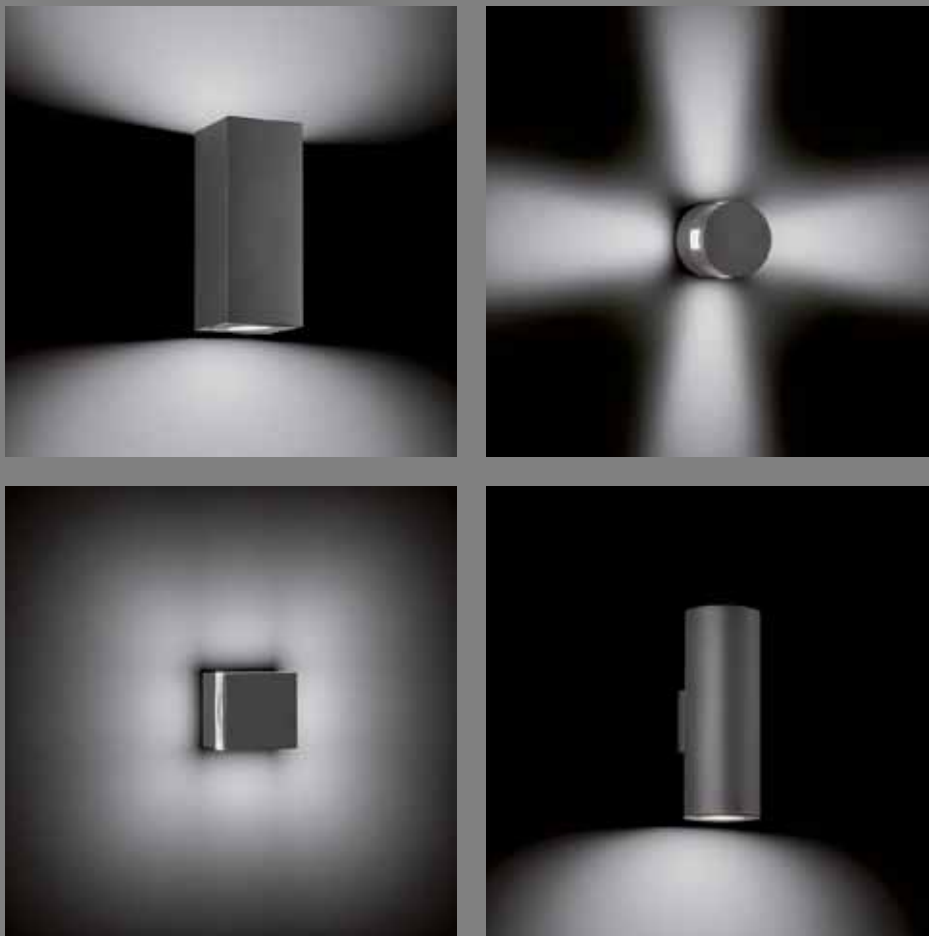
This version is also available with warm and cool white light.



ALU LINEAR 220-240



ALU LINEAR 220-240 B



The Alu Round and Alu Square versions are available with various types of diffusers to generate different light displays. The Alu Wall and Alu Linear versions are available with both single and double emission. Both warm and cool white light are available for all fittings.



GOLFO GABELLA - RESIDENTIAL COMPLEX - MACCAGNO (ITALY)

LED

ALU 1

ALU 4

BEAMS CONTROLLED WITH LENSES

ALU 1

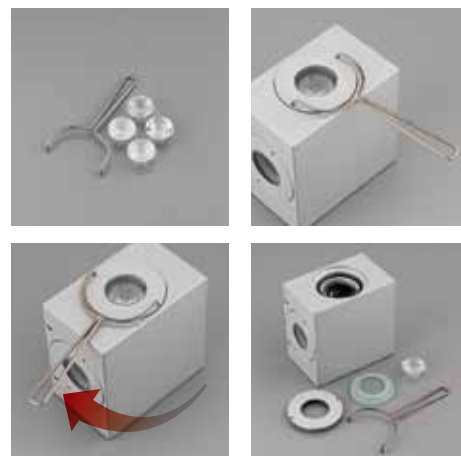
	1 LED - 2,2 W
--	---------------

ALU 4

	4 LED - 8,8 W
--	---------------

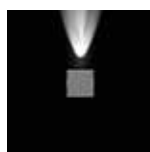
Range of indoor and outdoor wall-mounted class III LED fittings, comprising:

- Anodised silver or black aluminium body
- Anodised silver or black aluminium ring nut to secure the lenses.
- Transparent glass cover.
- All versions are equipped with white 3000 K or 6000 K LEDs.
- The ALU 1 - 6°, ALU 1 - 25°, ALU 1 - 40° and ALU 1 - 10°x45° wall washer versions are supplied complete with lenses.
- The ALU 4 - 6°, ALU 4 - 40° and ALU 4 - 10°x45° wall washer versions are supplied complete with lenses.
- The ALU 4 customisable versions are supplied without lenses and require the lenses to be ordered separately.
- A special tool is supplied with the lenses for easy installation.
- DC power via 700 mA driver, to be ordered separately and connected in compliance with applicable regulations.



The lenses are supplied with a tool that allows the fitting to be opened and the lenses changed easily, to customise the width of the light beams emitted.

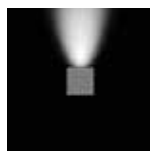
lampholder	W	ILCOS	colour	class	IP	Kelvin	Code	notes
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ALU 1 - 6°

Power LED

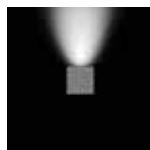
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307282
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307281
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307279
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307280



ALU 1 - 25°

Power LED

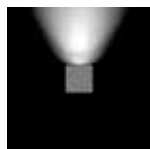
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307358
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307357
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307360
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307359



ALU 1 - 40°

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307277
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307278
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307276
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307275

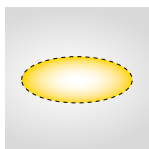


ALU 1 - 10°x45°

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307355
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307356
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307353
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307354

elliptical beam
10°x45°
for wall washer
applications

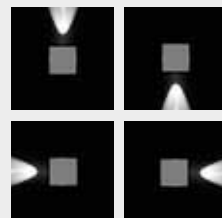


If information about Kelvin degrees is provided, this means that the lamp is included.

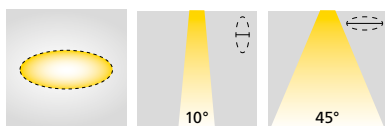
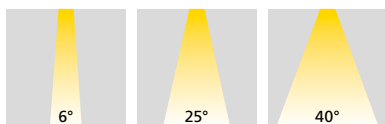
●●●	○○○
BK4+WHL	GR4+WHL



All ALU 1 fixtures can be installed and positioned any direction.



description	colour	code
Lens for LED narrow beam at 6°		310258
Lens for LED medium beam at 25°		310254
Lens for LED wide beam at 40°		310256
Lens for LED elliptical beam at 10°x45°		310260
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299



elliptical beam
10°x45°
for wall washer
applications



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi$ ≥ 0,9	EEL	code	notes
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ALU 4 - 6°

Power LED

4 LED - 8,8 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307293
4 LED - 8,8 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307294
4 LED - 8,8 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307291
4 LED - 8,8 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307292

ALU 4 - 40°

Power LED

4 LED - 8,8 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307396
4 LED - 8,8 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307395
4 LED - 8,8 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307394
4 LED - 8,8 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307393

ALU 4 - 10°x45°

Power LED

4 LED - 8,8 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307400
4 LED - 8,8 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307399
4 LED - 8,8 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307398
4 LED - 8,8 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307397

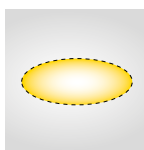
ALU 4

Power LED

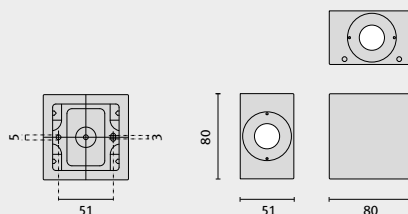
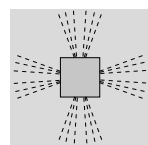
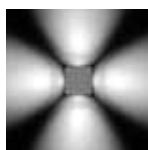
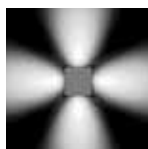
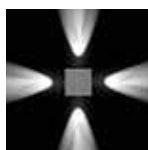
4 LED - 8,8 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307401
4 LED - 8,8 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307402
4 LED - 8,8 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307403
4 LED - 8,8 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307404

If information about Kelvin degrees is provided, this means that the lamp is included.

elliptical beam
10°x45°
for wall washer
applications



version to be
combined with
lenses (must be
ordered
separately)





ALU 2 90° ALU 2 180°

NEW

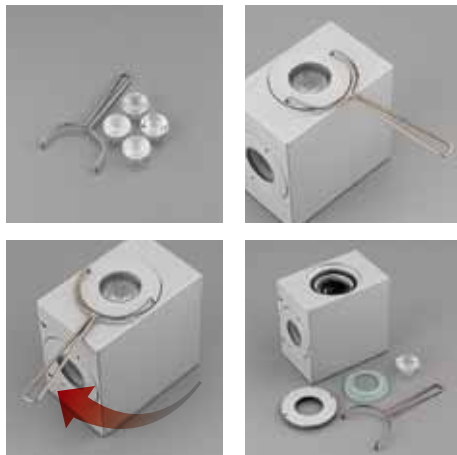
BEAMS CONTROLLED WITH LENSES

ALU 2 90°
ALU 2 180°

2 LED - 4,4 W

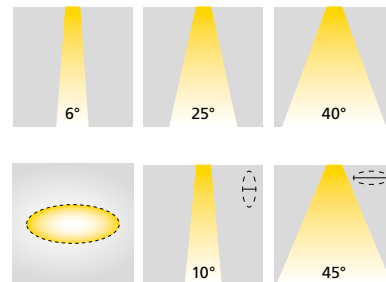
Range of indoor and outdoor wall-mounted class III LED fittings, comprising:

- Anodised silver or black aluminium body
- Anodised silver or black aluminium ring nut to secure the lenses
- Transparent glass cover
- All versions are equipped with either white 3000 K or 6000 K LEDs
- The ALU 2 90° - 6° versions are supplied complete with lenses
- The ALU 2 90° customisable versions are supplied without lenses and require the lenses to be ordered separately
- The ALU 2 180° - 6°, ALU 2 180° - 40°, ALU 2 180° - 6°+40°, ALU 2 180° - 10°x45° wall washer versions are supplied complete with lenses
- The ALU 2 180° customisable versions are supplied without lenses and require the lenses to be ordered separately
- A special tool is supplied with the lenses for easy installation
- DC power via 700 mA driver, to be ordered separately and connected in compliance with applicable regulations

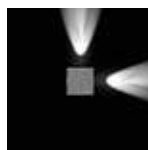


The lenses are supplied with a tool that allows the fitting to be opened and the lenses changed easily, to customise the width of the light beams emitted.

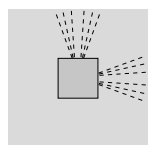
description	colour	code
Lens for LED narrow beam at 6°		310258
Lens for LED medium beam at 25°		310254
Lens for LED wide beam at 40°		310256
Lens for LED elliptical beam at 10°x45°		310260
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		3102999



elliptical beam 10°x45°
for wall washer applications



version to be
combined with
lenses (must be
ordered
separately)



lampholder	W	ILCOS	colour	class	IP	Kelvin	Code	Cos φ ≥ 0,9	EEI	code	notes
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ALU 2 90° - 6°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307286
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307285
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307283
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307284

ALU 2 90°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307374
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307373
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307376
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307375

If information about Kelvin degrees is provided, this means that the lamp is included.

BK4+WHL GR4+WHL



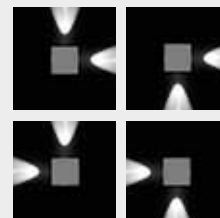
310298

310222

310299

310297

All ALU 2 90°
fixtures can be
installed and
positioned any
direction.





lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
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ALU 2 180° - 6°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307289
2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307290
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307287
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307288

ALU 2 180° - 40°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307384
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307383
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307382
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307381

ALU 2 180° - 6°+40°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307380
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307379
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307378
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307377

ALU 2 180° - 10°x45°

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307387
2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307388
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307385
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307386

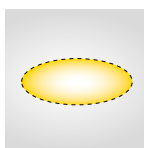
ALU 2 180°

Power LED

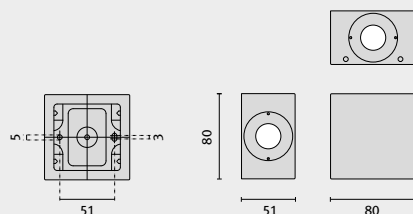
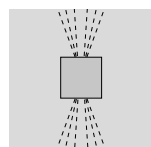
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307389
2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307390
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK06 1J xx3	A2÷A3	307392
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK06 1J xx3	A2÷A3	307391

If information about Kelvin degrees is provided, this means that the lamp is included.

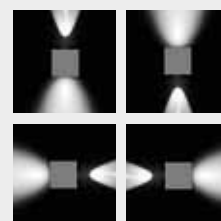
elliptical beam
10°x45°
for wall washer
applications



version to be
combined with
lenses (must be
ordered
separately)



All ALU 2 180°
fixtures can be
installed and
positioned any
direction.





ALU 1 220-240 ALU 4 220-240

BEAMS CONTROLLED WITH LENSES

ALU 1 220-240

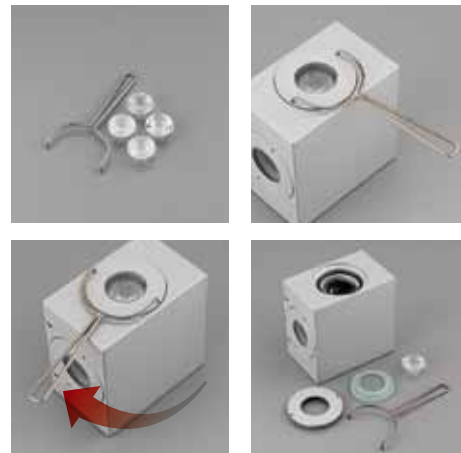
	1 LED - 1,1 W
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ALU 4 220-240

	4 LED - 4,4 W
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Range of indoor and outdoor wall-mounted class I LED fixtures, comprising:

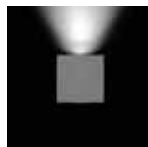
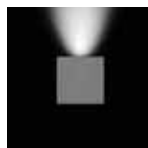
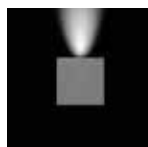
- Anodised silver or black aluminium body
- Anodised silver or black aluminium ring nut to secure the lenses
- Transparent glass cover
- All versions are equipped with either white 3000 K or 6000 K LEDs
- The ALU 1 220-240 - 6°, ALU 1 220-240 - 40°, ALU 1 220-240 - 25° and ALU 1 220-240 - 10°x45° wall washer versions are supplied complete with lenses
- The ALU 4 220-240 - 6°, ALU 4 220-240 - 40° and ALU 4 220-240 - 10°x45° wall washer versions are supplied complete with lenses
- The ALU 4 220-240 customisable versions are supplied without lenses and require the lenses to be ordered separately.
- A special tool is supplied with the lenses for easy installation.
- Fitting complete with driver.



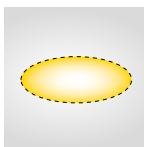
The lenses are supplied with a tool that allows the fitting to be opened and the lenses changed easily, to customise the width of the light beams emitted.



The ALU 220-240 versions are complete with built-in driver for direct connection to the mains supply.



elliptical beam
10°x45°
for wall washer
applications



lampholder	W	ILCOS	colour	class	IP	Kelvin	⌈	Cos φ ≥ 0,9	EEL	code	notes
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ALU 1 220-240 - 6°

Power LED 220/240 V 50/60 Hz

1 LED - 1,1 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307437	
1 LED - 1,1 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307438	
1 LED - 1,1 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307435	
1 LED - 1,1 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307436	

ALU 1 220-240 - 25°

Power LED 220/240 V 50/60 Hz

1 LED - 1,1 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307448	
1 LED - 1,1 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307447	
1 LED - 1,1 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307450	
1 LED - 1,1 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307449	

ALU 1 220-240 - 40°

Power LED 220/240 V 50/60 Hz

1 LED - 1,1 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307442	
1 LED - 1,1 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307441	
1 LED - 1,1 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307440	
1 LED - 1,1 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307439	

ALU 1 220-240 - 10°x45°

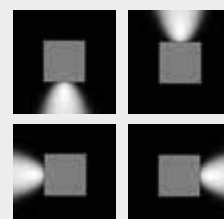
Power LED 220/240 V 50/60 Hz

1 LED - 1,1 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307445	
1 LED - 1,1 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307446	
1 LED - 1,1 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307444	
1 LED - 1,1 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307443	

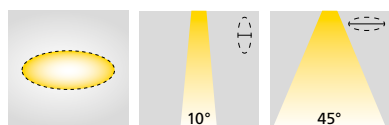
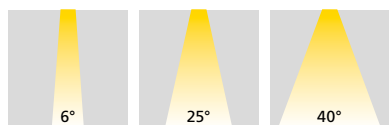
If information about Kelvin degrees is provided, this means that the lamp is included.

BK4+WHL	GR4+WHL

All ALU 1 220-240 fixtures can be installed and positioned any direction.



description	colour	code
Lens for LED narrow beam at 6°		310258
Lens for LED medium beam at 25°		310254
Lens for LED wide beam at 40°		310256
Lens for LED elliptical beam at 10°x45°		310260



elliptical beam
10°x45°
for wall washer
applications



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
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ALU 4 220-240 - 6°

Power LED 220/240 V 50/60 Hz

4 LED - 4,4 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307494	
4 LED - 4,4 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307493	
4 LED - 4,4 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307492	
4 LED - 4,4 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307491	

ALU 4 220-240 - 40°

Power LED 220/240 V 50/60 Hz

4 LED - 4,4 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307498	
4 LED - 4,4 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307497	
4 LED - 4,4 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307495	
4 LED - 4,4 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307496	

ALU 4 220-240 - 10°X45°

Power LED 220/240 V 50/60 Hz

4 LED - 4,4 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307502	
4 LED - 4,4 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307501	
4 LED - 4,4 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307499	
4 LED - 4,4 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307500	

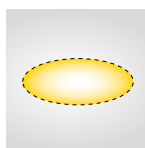
ALU 4 220-240

Power LED 220/240 V 50/60 Hz

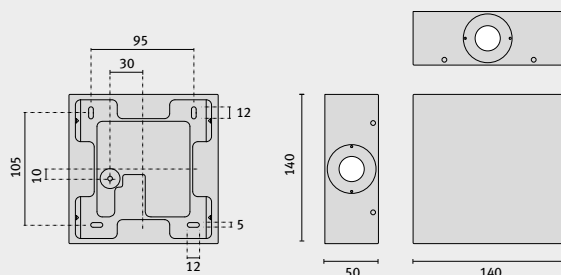
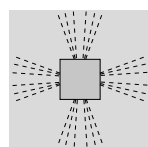
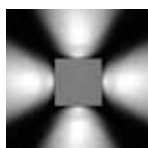
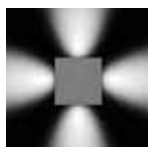
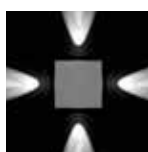
4 LED - 4,4 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307504	
4 LED - 4,4 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307503	
4 LED - 4,4 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307505	
4 LED - 4,4 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307506	

If information about Kelvin degrees is provided, this means that the lamp is included.

elliptical beam
10°x45°
for wall washer
applications



version to be
combined with
lenses (must be
ordered
separately)





ALU 2 90° 220-240

ALU 2 180° 220-240

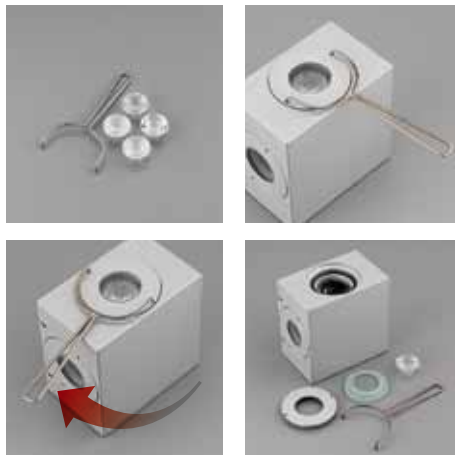
BEAMS CONTROLLED WITH LENSES

ALU 2 90° 220-240
ALU 2 180° 220-240



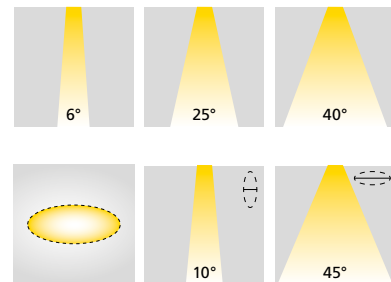
Range of indoor and outdoor wall-mounted class I LED fittings, comprising:

- Anodised silver or black aluminium body
- Anodised silver or black aluminium ring nut to secure the lenses
- Transparent glass cover
- All versions are equipped with either white 3000 K or 6000 K LEDs
- The ALU 2 90° 220-240 - 6° versions are supplied complete with lenses
- The ALU 2 90° 220-240 customisable versions are supplied without lenses and require the lenses to be ordered separately.
- The ALU 2 180° 220-240 - 6°, ALU 2 180° 220-240 - 40°, ALU 2 180° 220-240 - 6°+40°, ALU 2 180° 220-240 - 10°x45° wall washer versions are supplied complete with lenses
- The ALU 2 180° 220-240 customisable versions are supplied without lenses and require the lenses to be ordered separately. A special tool is supplied with the lenses for easy installation.
- Fitting complete with driver.

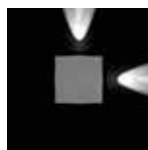


The lenses are supplied with a tool that allows the fitting to be opened and the lenses changed easily, to customise the width of the light beams emitted.

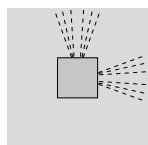
description	colour	code
Lens for LED narrow beam at 6°		310258
Lens for LED medium beam at 25°		310254
Lens for LED wide beam at 40°		310256
Lens for LED elliptical beam at 10°x45°		310260



elliptical beam 10°x45°
for wall washer applications



version to be combined with lenses (must be ordered separately)



lampholder	W	ILCOS	colour	class	IP	Kelvin	↑	Cos φ ≥ 0,9	EEL	code	notes
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ALU 2 90° 220-240 - 6°

Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W		BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307453	
2 LED - 2,2 W		BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307454	
2 LED - 2,2 W		GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307451	
2 LED - 2,2 W		GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307452	

ALU 2 90° 220-240

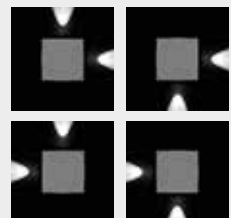
Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W		BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307468	
2 LED - 2,2 W		BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307467	
2 LED - 2,2 W		GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307470	
2 LED - 2,2 W		GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307469	

If information about Kelvin degrees is provided, this means that the lamp is included.

●●●	○○○
BK4+WHL	GR4+WHL

All ALU 2 90° 220-240 fixtures can be installed and positioned any direction.

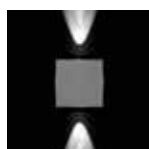




The ALU 220-240 versions are complete with built-in driver for direct connection to the mains supply.



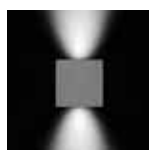
lampholder W ILCOS colour class IP Kelvin $\cos \varphi \geq 0,9$ EEI code notes



ALU 2 180° 220-240 - 6°

Power LED 220/240 V 50/60 Hz

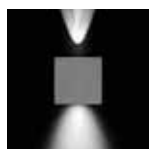
2 LED - 2,2 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307473	
2 LED - 2,2 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307474	
2 LED - 2,2 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307471	
2 LED - 2,2 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307472	



ALU 2 180° 220-240 - 40°

Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307482	
2 LED - 2,2 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307481	
2 LED - 2,2 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307476	
2 LED - 2,2 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307479	

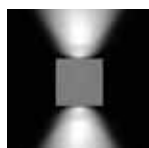
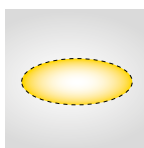


ALU 2 180° 220-240 - 6°+40°

Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307478	
2 LED - 2,2 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307477	
2 LED - 2,2 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307484	
2 LED - 2,2 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307475	

elliptical beam
10°x45°
for wall washer
applications

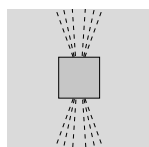


ALU 2 180° 220-240 - 10°X45°

Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307486	
2 LED - 2,2 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307485	
2 LED - 2,2 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307484	
2 LED - 2,2 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307483	

version to be
combined with
lenses (must be
ordered
separately)

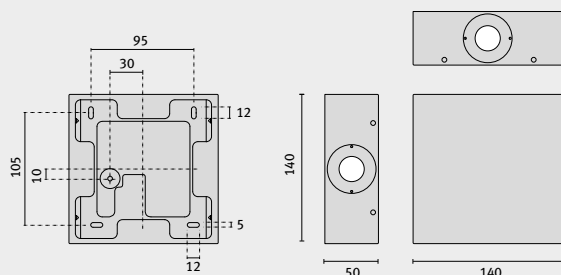


ALU 2 180° 220-240

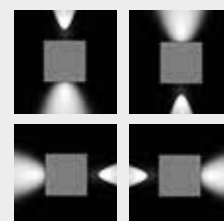
Power LED 220/240 V 50/60 Hz

2 LED - 2,2 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307488	
2 LED - 2,2 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307487	
2 LED - 2,2 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307489	
2 LED - 2,2 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307490	

If information about Kelvin degrees is provided, this means that the lamp is included.



All ALU 2 180° 220-240
fixtures can be installed
and positioned any
direction.





ALU LINEAR 220-240 NEW

BEAMS CONTROLLED WITH LENSES

ALU LINEAR 220-240

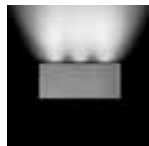
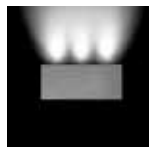
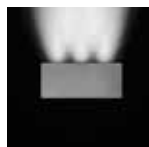
3 LED - 3,3 W

ALU LINEAR 220-240 B

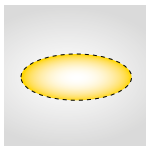
6 LED - 6,6 W

Range of indoor and outdoor class I LED wall mounted fittings for in-direct, direct or in-direct / direct lighting, comprising:

- Anodised silver or black aluminium body
- Anodised silver or black aluminium ring nut to secure the lenses
- Transparent glass covers
- All versions are equipped with either white 3000 K or 6000 K LEDs.
- The ALU LINEAR 220-240 - 6°, ALU LINEAR 220-240 - 25°, ALU LINEAR 220-240 - 40° and ALU LINEAR 220-240 - 10°x45° wall washer versions is supplied complete with lenses
- The ALU LINEAR 220-240 B - 6°, ALU LINEAR 220-240 B - 25°, ALU LINEAR 220-240 B - 40° and ALU LINEAR 220-240 B - 10°x45° wall washer versions are double emission versions supplied complete with lenses
- Fittings complete with driver.



elliptical beam
10°x45°
for wall washer
applications



lampholder	W	ILCOS	colour	class	IP	Kelvin	⏏	Cos φ ≥ 0,9	EEL	code	notes
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ALU LINEAR 220-240 - 6°

Power LED 220/240 V 50/60 Hz

3 LED - 3,3 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307351
3 LED - 3,3 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307352
3 LED - 3,3 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307349
3 LED - 3,3 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307350

ALU LINEAR 220-240 - 25°

Power LED 220/240 V 50/60 Hz

3 LED - 3,3 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307413
3 LED - 3,3 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307414
3 LED - 3,3 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307415
3 LED - 3,3 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307416

ALU LINEAR 220-240 - 40°

Power LED 220/240 V 50/60 Hz

3 LED - 3,3 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307411
3 LED - 3,3 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307412
3 LED - 3,3 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307409
3 LED - 3,3 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307410

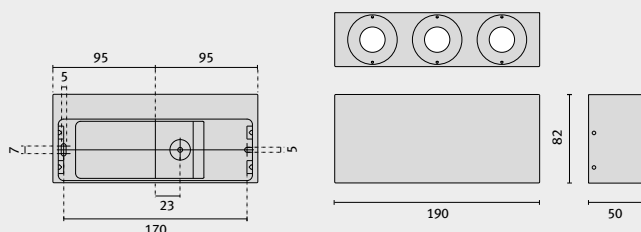
ALU LINEAR 220-240 - 10°x45°

Power LED 220/240 V 50/60 Hz

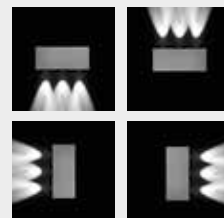
3 LED - 3,3 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307408
3 LED - 3,3 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307407
3 LED - 3,3 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307405
3 LED - 3,3 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307406

If information about Kelvin degrees is provided, this means that the lamp is included.

BK4+WHL GR4+WHL



All fixtures
ALU LINEAR 220-240
can be installed and
positioned
any direction.





The ALU LINEAR 220-240 version is complete with built-in driver for direct connection to the mains supply.



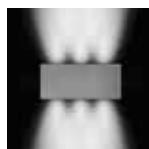
lampholder W ILCOS colour class IP Kelvin $\cos \varphi \geq 0,9$ EEI code notes



ALU LINEAR 220-240 B - 6°

Power LED 220/240 V 50/60 Hz

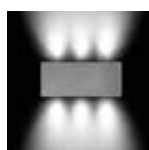
6 LED - 6,6 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307509	
6 LED - 6,6 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307510	
6 LED - 6,6 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307507	
6 LED - 6,6 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307508	



ALU LINEAR 220-240 B - 25°

Power LED 220/240 V 50/60 Hz

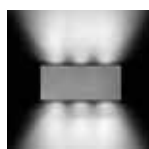
6 LED - 6,6 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307519	
6 LED - 6,6 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307520	
6 LED - 6,6 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307522	
6 LED - 6,6 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307521	



ALU LINEAR 220-240 B - 40°

Power LED 220/240 V 50/60 Hz

6 LED - 6,6 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307517	
6 LED - 6,6 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307518	
6 LED - 6,6 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307516	
6 LED - 6,6 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307515	

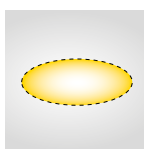


ALU LINEAR 220-240 B - 10°X45°

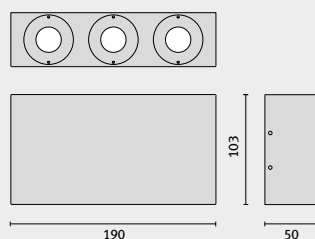
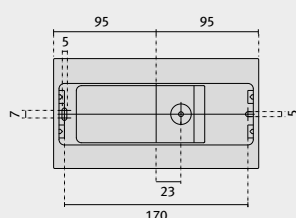
Power LED 220/240 V 50/60 Hz

6 LED - 6,6 W	BK4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307514	
6 LED - 6,6 W	BK4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307513	
6 LED - 6,6 W	GR4+WHL	I	65	• 6000	IK06 1J xx3	A2÷A3	307512	
6 LED - 6,6 W	GR4+WHL	I	65	• 3000	IK06 1J xx3	A2÷A3	307511	

elliptical beam
10°x45°
for wall washer
applications



If information about Kelvin degrees is provided, this means that the lamp is included.



All fixtures
ALU LINEAR 220-240
can be installed and
positioned
any direction.





ALU LINEAR

ALU LINEAR/M

3 LED - 6,6 W

ALU LINEAR/B

6 LED - 13,2 W

- Wall mounted, up and down, class III LED luminaires.
- Silver or black anodised aluminum housing
 - Frosted polycarbonate diffusers
 - All versions are available with white LEDs, 3000 K and 6000 K
 - Available in single (M) and dual (B) emission versions
 - We recommend using a continuous current power supply of 700 mA. Power supply accessories not included with the product.



description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ ≥ 0,9	EEL	code	notes
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ALU LINEAR/M

Power LED													
3 LED - 6,6 W	BK4+WHL	III	65	•	6000	IK10 20J xx9						307274	
3 LED - 6,6 W	BK4+WHL	III	65	•	3000	IK10 20J xx9						307272	
3 LED - 6,6 W	GR4+WHL	III	65	•	6000	IK10 20J xx9						307270	
3 LED - 6,6 W	GR4+WHL	III	65	•	3000	IK10 20J xx9						307268	

ALU LINEAR/B

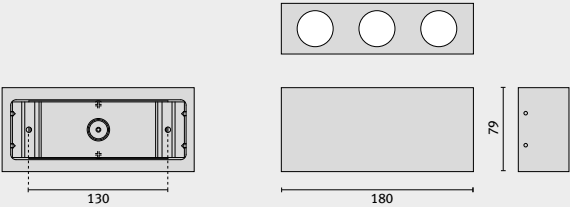
Power LED													
6 LED - 13,2 W	BK4+WHL	III	65	•	6000	IK10 20J xx9						307273	
6 LED - 13,2 W	BK4+WHL	III	65	•	3000	IK10 20J xx9						307271	
6 LED - 13,2 W	GR4+WHL	III	65	•	6000	IK10 20J xx9						307269	
6 LED - 13,2 W	GR4+WHL	III	65	•	3000	IK10 20J xx9						307267	

If information about Kelvin degrees is provided, this means that the lamp is included.



BK4+WHL

GR4+WHL





310298



310222



310299



310297



ALU WALL/R

ALU WALL/R M
1 LED - 2,2 W
ALU WALL/R B
2 LED - 4,4 W

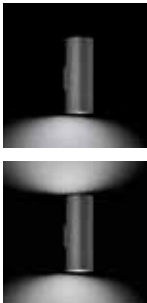
Wall mounted, up and down, class III LED luminaires.

- Silver or black anodised aluminum housing
- Frosted glass diffusers
- All versions are available with white LED, 3000 K and 6000 K
- Available in single (M) and dual (B) emission versions
- We recommend using a continuous current power supply of 700 mA. Power supply accessories not included with the product.



description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

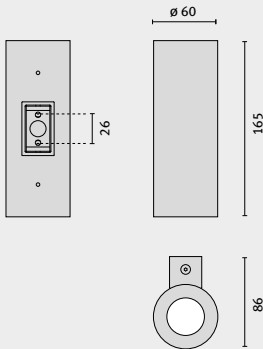
lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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ALU WALL/R M													
Power LED													
1 LED - 2,2 W		BK4+WHL	III	65	• 3000	IK10 20J xx9						307313	
1 LED - 2,2 W		BK4+WHL	III	65	• 6000	IK10 20J xx9						307314	
1 LED - 2,2 W		GR4+WHL	III	65	• 3000	IK10 20J xx9						307311	
1 LED - 2,2 W		GR4+WHL	III	65	• 6000	IK10 20J xx9						307312	
ALU WALL/R B													
Power LED													
2 LED - 4,4 W		BK4+WHL	III	65	• 3000	IK10 20J xx9						307317	
2 LED - 4,4 W		BK4+WHL	III	65	• 6000	IK10 20J xx9						307318	
2 LED - 4,4 W		GR4+WHL	III	65	• 3000	IK10 20J xx9						307315	
2 LED - 4,4 W		GR4+WHL	III	65	• 6000	IK10 20J xx9						307316	

If information about Kelvin degrees is provided, this means that the lamp is included.

BK4+WHL	GR4+WHL





ALU WALL/S

ALU WALL/S M



1 LED - 2,2 W

ALU WALL/S B



2 LED - 4,4 W

Wall mounted, up and down, class III LED luminaires.

- Silver or black anodised aluminum housing
- Frosted glass diffusers
- All versions are available with white LEDs, 3000 K and 6000 K
- Available in single (M) and dual (B) emission versions
- We recommend using a continuous current power supply of 700 mA. Power supply accessories not included with the product.



description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
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ALU WALL/S M

Power LED

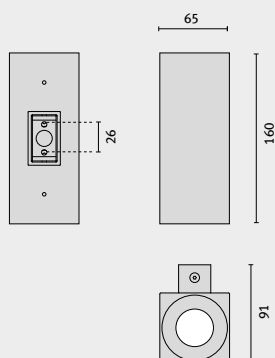
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307322
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307321
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307319
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307320

ALU WALL/S B

Power LED

2 LED - 4,4 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307326
2 LED - 4,4 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307325
2 LED - 4,4 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307324
2 LED - 4,4 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307323

If information about Kelvin degrees is provided, this means that the lamp is included.





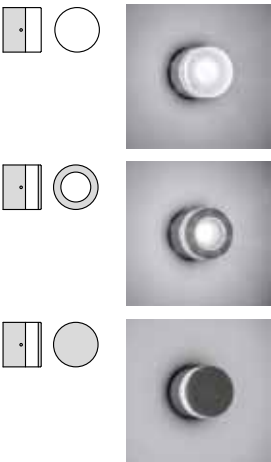
ALU ROUND

- ALU ROUND FULL
 - ALU ROUND TRIM
 - ALU ROUND SHADE
 - ALU ROUND SIDE 1
 - ALU ROUND SIDE 1 NB
 - ALU ROUND SIDE 180° NB
 - ALU ROUND SIDE 4
-  1 LED - 2,2 W

Wall mounted, class III LED
luminaires.

- Silver or black anodised aluminum
housing
- Rings and screens in black or silver
anodised aluminum
- Diffusers in frosted polycarbonate
- All versions are available with white
LEDs, 3000 K and 6000 K
- We recommend using a continuous
current power supply of 700 mA.

Power supply accessories not
included with the product.

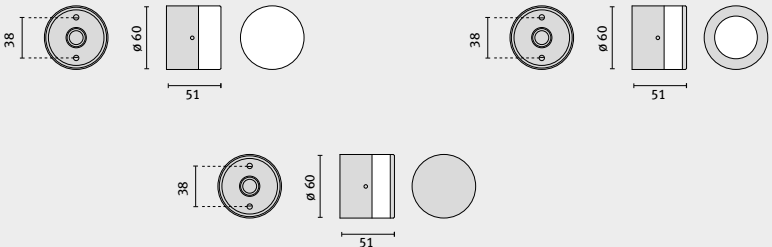


lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
ALU ROUND FULL													
Power LED													
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9					307242	
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9					307237	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9					307232	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9					307227	
ALU ROUND TRIM													
Power LED													
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9					307239	
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9					307244	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9					307229	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9					307234	
ALU ROUND SHADE													
Power LED													
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9					307238	
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9					307243	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9					307228	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9					307233	

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

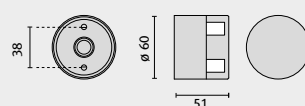
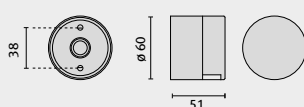
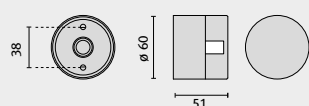
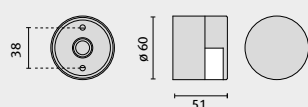
-  BK4+WHL
-  GR4+WHL



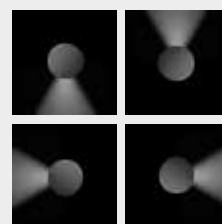


lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi \geq 0,9$	EEL	code	notes
ALU ROUND SIDE 1										
Power LED										
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9		307245	
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9		307240	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9		307235	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9		307230	
ALU ROUND SIDE 1 NB										
Power LED 220/240 V 50/60 Hz										
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9		307422	
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9		307421	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9		307419	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9		307420	
ALU ROUND SIDE 180° NB										
Power LED 220/240 V 50/60 Hz										
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9		307425	
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9		307426	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9		307424	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9		307423	
ALU ROUND SIDE 4										
Power LED										
1 LED - 2,2 W		BK4+WHL	III	65	•	6000	IK10 20J xx9		307246	
1 LED - 2,2 W		BK4+WHL	III	65	•	3000	IK10 20J xx9		307241	
1 LED - 2,2 W		GR4+WHL	III	65	•	6000	IK10 20J xx9		307236	
1 LED - 2,2 W		GR4+WHL	III	65	•	3000	IK10 20J xx9		307231	

If information about Kelvin degrees is provided, this means that the lamp is included.



All fixtures
can be installed
and positioned
any direction.





ALU SQUARE

ALU SQUARE FULL
ALU SQUARE TRIM
ALU SQUARE SHADE
ALU SQUARE SIDE 1
ALU SQUARE SIDE 1 NB
ALU SQUARE SIDE 180° NB
ALU SQUARE SIDE 4



1 LED - 2,2 W

Wall mounted, class III LED luminaires.

- Silver or black anodised aluminum housing
- Rings and screens in black or silver anodised aluminum
- Diffusers in frosted polycarbonate
- All versions are available with white LEDs, 3000 K and 6000 K
- We recommend using a continuous current power supply of 700 mA
- Power supply accessories not included with the product.



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi \geq 0,9$	EEL	code	notes
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ALU SQUARE FULL

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307262
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307257
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307247
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307252



ALU SQUARE TRIM

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307264
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307259
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307249
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307254



ALU SQUARE SHADE

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307258
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307263
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307248
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307253

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

BK4+WHL

GR4+WHL



310298



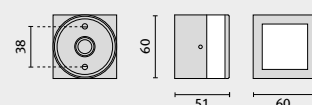
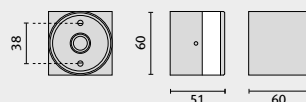
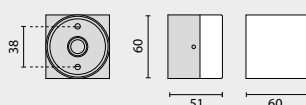
310222



310299



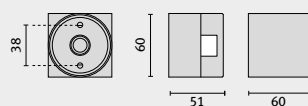
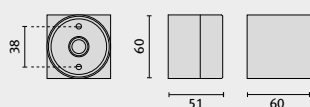
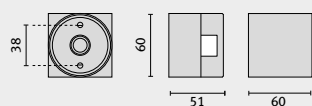
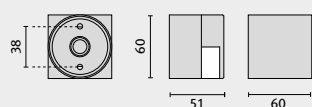
310297



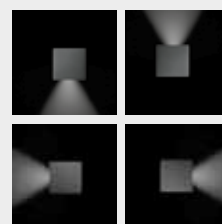


	lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
ALU SQUARE SIDE 1											
Power LED											
	1 LED - 2,2 W		BK4+WHL	III	65	• 6000	IK10 20J xx9			307265	
	1 LED - 2,2 W		BK4+WHL	III	65	• 3000	IK10 20J xx9			307260	
	1 LED - 2,2 W		GR4+WHL	III	65	• 6000	IK10 20J xx9			307255	
	1 LED - 2,2 W		GR4+WHL	III	65	• 3000	IK10 20J xx9			307250	
ALU SQUARE SIDE 1 NB											
Power LED 220/240 V 50/60 Hz											
	1 LED - 2,2 W		BK4+WHL	III	65	• 3000	IK10 20J xx9			307429	
	1 LED - 2,2 W		BK4+WHL	III	65	• 6000	IK10 20J xx9			307430	
	1 LED - 2,2 W		GR4+WHL	III	65	• 3000	IK10 20J xx9			307427	
	1 LED - 2,2 W		GR4+WHL	III	65	• 6000	IK10 20J xx9			307428	
ALU SQUARE SIDE 180° NB											
Power LED 220/240 V 50/60 Hz											
	1 LED - 2,2 W		BK4+WHL	III	65	• 3000	IK10 20J xx9			307433	
	1 LED - 2,2 W		BK4+WHL	III	65	• 6000	IK10 20J xx9			307434	
	1 LED - 2,2 W		GR4+WHL	III	65	• 3000	IK10 20J xx9			307431	
	1 LED - 2,2 W		GR4+WHL	III	65	• 6000	IK10 20J xx9			307432	
ALU SQUARE SIDE 4											
Power LED											
	1 LED - 2,2 W		BK4+WHL	III	65	• 6000	IK10 20J xx9			307266	
	1 LED - 2,2 W		BK4+WHL	III	65	• 3000	IK10 20J xx9			307261	
	1 LED - 2,2 W		GR4+WHL	III	65	• 3000	IK10 20J xx9			307251	
	1 LED - 2,2 W		GR4+WHL	III	65	• 6000	IK10 20J xx9			307256	

If information about Kelvin degrees is provided, this means that the lamp is included.



All fixtures
can be installed
and positioned
any direction.





ALU INGROUND

LUMINAIRE THAT REQUIRES
A FIXING KIT FOR INSTALLATION

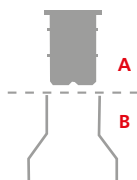
ALU INGROUND ROUND
ALU INGROUND SQUARE



1 LED - 2,2 W

Recessed, walk-over inground
luminaires.

- Class III LED
- Aluminum housing
- Anodised aluminum ring, black or silver
- Frosted glass diffuser
- All versions are available with white LEDs, 3000 K and 6000 K
- We recommend using a continuous current power supply of 700 mA.
- Power supply accessories not included with the product
- Recessed fixing kit to be ordered separately.



COMPLETE UNIT

1A+1B = 2 codes

COMPONENTS

- A** luminaire
B recessed fixing kit



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\text{Cos } \varphi$	EEI	code	notes
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ALU INGROUND ROUND

Power LED

1 LED - 2,2 W	BK4+WHL	III	67	• 3000	IK08 5J xx5	307305
1 LED - 2,2 W	BK4+WHL	III	67	• 6000	IK08 5J xx5	307306
1 LED - 2,2 W	GR4+WHL	III	67	• 3000	IK08 5J xx5	307303
1 LED - 2,2 W	GR4+WHL	III	67	• 6000	IK08 5J xx5	307304

ALU INGROUND SQUARE

Power LED

1 LED - 2,2 W	BK4+WHL	III	67	• 3000	IK08 5J xx5	307309
1 LED - 2,2 W	BK4+WHL	III	67	• 6000	IK08 5J xx5	307310
1 LED - 2,2 W	GR4+WHL	III	67	• 3000	IK08 5J xx5	307307
1 LED - 2,2 W	GR4+WHL	III	67	• 6000	IK08 5J xx5	307308

If information about Kelvin degrees is provided, this means that the lamp is included.

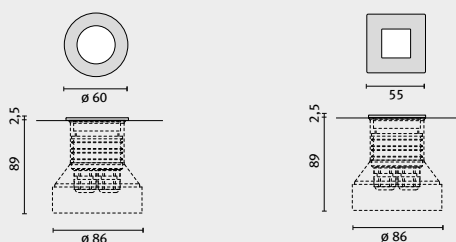
description	colour	code
Recessed fixing kit (inox)		310197
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299



BK4+WHL



GR4+WHL





310197



310298



310222



310299



310297



310298



310222



310299



310297



ALU POST

ALU POST ROUND 250
ALU POST ROUND 500
ALU POST SQUARE 250
ALU POST SQUARE 500



1 LED - 2,2 W

Post mounted, class III LED luminaires.

- Anodised aluminum post
- Screens in black or silver anodised aluminum
- Diffusers in frosted polycarbonate
- All versions are available with white LEDs, 3000 K and 6000 K

→ We recommend using a continuous current power supply of 700 mA. Power supply accessories not included with the product.

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	code	notes
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ALU POST ROUND 250

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307330
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307329
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307327
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307328

ALU POST ROUND 500

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307334
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307333
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307331
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307332

ALU POST SQUARE 250

Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307337
1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307338
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307335
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307336

ALU POST SQUARE 500

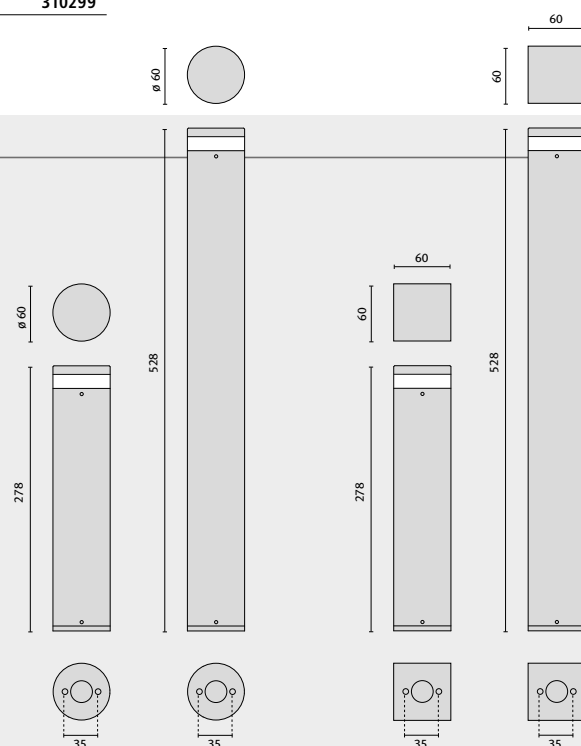
Power LED

1 LED - 2,2 W	BK4+WHL	III	65	• 6000	IK10 20J xx9	307342
1 LED - 2,2 W	BK4+WHL	III	65	• 3000	IK10 20J xx9	307341
1 LED - 2,2 W	GR4+WHL	III	65	• 6000	IK10 20J xx9	307340
1 LED - 2,2 W	GR4+WHL	III	65	• 3000	IK10 20J xx9	307339

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Driver kit with current 220/240 V 700 mA 6 W		310297
Driver kit with current 220/240 V 700 mA 9 W		310298
Driver kit with current 220/240 V 700 mA 2/16 W		310222
Driver kit with current 220/240 V 700 mA 30 W		310299

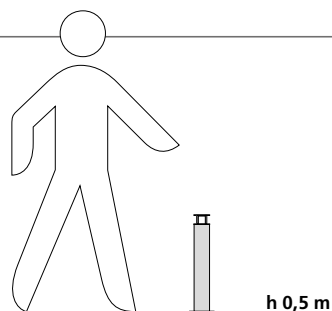
BK4+WHL	GR4+WHL
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LED

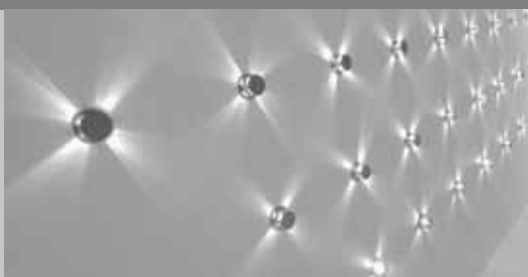
JOKER

design Roberto Fiorato



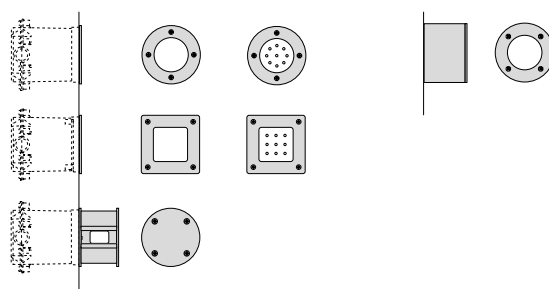
h 0,5 m

A family of products suitable for outdoor installation for surface, recessed, and post top mounting. The compact size of the JOKER WALL is ideal for installations where it is not possible to recess the fittings, in both public and residential applications. The range includes wall mounted versions multi-directional light rays and coloured LED's. JOKER fittings are also suitable for halogen lamp sources. The flexibility of the range provides the designer and installer with a variety of options to meet the demands of the project from pathway lighting to accent and feature lighting in public areas.



The Joker Ray screen combined with the lenticular clear glass divides the light into four 90° angled beams.

Ideal to create effects on walls, or to underline architectural details.





JOKER TONDO

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

JOKER TONDO S JOKER TONDO F

	G4	max 1x20 W HSG
	G9	1x25 W HSG

JOKER TONDO S LED

	9 LED - 2 W
--	-------------

Range of recessed luminaires for wall mounted applications, comprising:

- Low protrusion recessed body made of V-0 rated self-extinguishing technopolymer (to be ordered separately). The recessed body is supplied complete with a protective cover allowing all masonry work necessary to a proper installation. After the masonry work, remove the cover and insert the gear body into the recessed body
- Gear body complete with:
 - Round or square shaped diffuser, satin tempered glass for "S" versions featuring diffused lighting, transparent prismatic tempered glass for "F" versions featuring asymmetric light
 - Aluminium reflector for G9 version
 - Silicone gasket
 - Stainless steel covers and locking screws
- LED versions include 220/240 V 50/60 Hz safety transformer
- The complete fitting comprises one lamp/gear assembly and one recessing body



Joker Tondo F
A clear toughened Fresnel lens directs the light output. Ideal for selective lighting, to attract attention, for pathways and stairways illumination.

lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi \geq 0,9$	EEL	code	notes
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JOKER TONDO S

Halogen

G4	max 1x20 W	HSG	SS1	III	55	•	•		IK06 1J xx3			006894	
G9	1x25 W	HSG	SS1	I	55	•	•	2900	IK06 1J xx3			006893	

JOKER TONDO F

Halogen

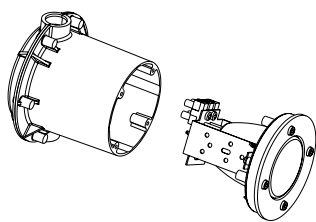
G4	max 1x20 W	HSG	SS1	III	55	•	•		IK06 1J xx3			006896	
G9	1x25 W	HSG	SS1	I	55	•	•	2900	IK06 1J xx3			006895	

JOKER TONDO S LED

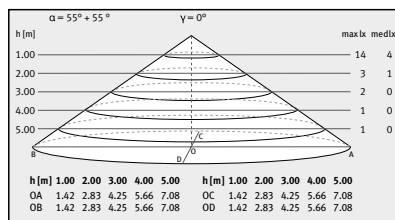
LED voltage 220/240 V 50/60 Hz

9 LED - 2 W			SS1+WHL	I	55	•	•	6000	IK06 1J xx3			006897	
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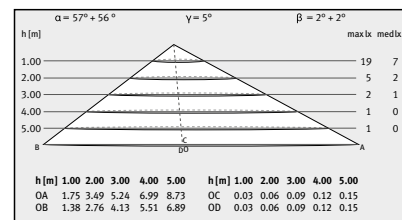
If information about Kelvin degrees is provided, this means that the lamp is included.



description	colour	code
JOKER TONDO recessing body		000932



JOKER TONDO S 1x25 W HSG



JOKER TONDO F 1x25 W HSG

SS1

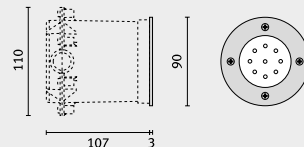
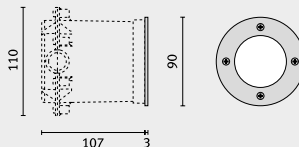
SS1+WHL

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
- B body





JOKER QUADRO

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

JOKER QUADRO S

	G4	max 1x20 W HSG
	G9	1x25 W HSG

JOKER QUADRO S LED

	9 LED - 2 W
--	-------------



lampholder	W	ILCOS	colour	class	IP		Kelvin		$\cos \varphi$ $\geq 0,9$	EEL	code	notes
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JOKER QUADRO S

Halogen

G4	max 1x20 W	HSG	SS1	III	55	• •					IK06 1J xx3	006904
G9	1x25 W	HSG	SS1	I	55	• •	2900				IK06 1J xx3	006903

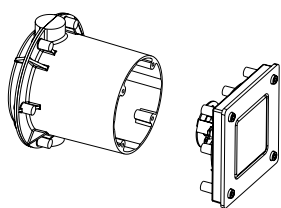
JOKER QUADRO S LED

LED voltage 220/240 V 50/60 Hz

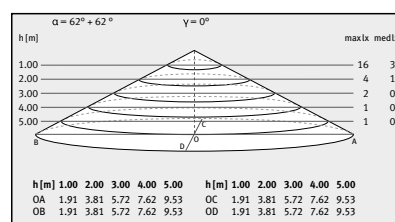


9 LED - 2 W	SS1+WHL	I	55	• •	6000						IK06 1J xx3	006905
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If information about Kelvin degrees is provided, this means that the lamp is included.



description	colour	code
JOKER QUADRO recessing body		000933



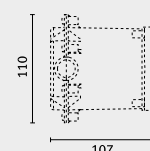
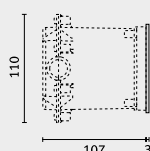
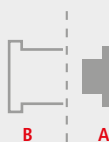
JOKER QUADRO S 1x25 W HSG

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
B body



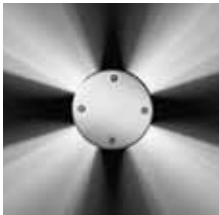
JOKER RAY

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

	G9	1x40 W HSG
--	----	------------

Range of recessed luminaires for wall mounted applications, comprising:

- ↳ Low protrusion recessed body made of V-0 rated, 960° C glow wire test, self-extinguishing technopolymer (to be ordered separately). The recessed body is supplied complete with a protective cover allowing all masonry work necessary to a proper installation. After the masonry work, remove the cover and insert the gear body into the recessed body
- ↳ Gear body complete with:
- ↳ Cylindrical shaped diffuser made of transparent prismatic glass and grey anodised aluminium screen with four openings featuring directed light
- ↳ Silicone gasket
- ↳ Stainless steel covers and locking screws
- ↳ The complete fitting comprises one lamp/gear assembly and one recessing body



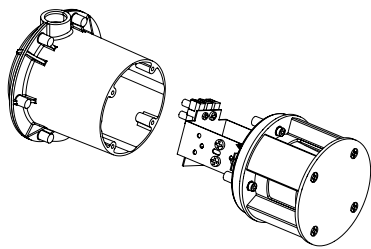
lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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JOKER RAY

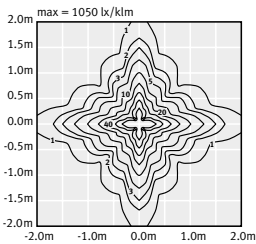
Halogen

G9	1x40 W	HSG	GR4	I	55	•	•	2900	IK10 20J xx9			006920	
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If information about Kelvin degrees is provided, this means that the lamp is included.



description	colour	code
JOKER TONDO recessing body		000932

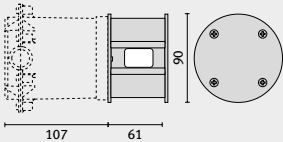
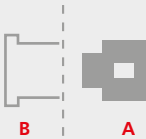


GR4

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS	
A	gear body
B	body



JOKER WALL

JOKER WALL S

	G4	max 1x10 W HSG
--	----	----------------

- Recessed wall and ceiling mounted luminaire for interior and exterior use including:
- Inner housing made of self-extinguishing technopolymer, class V-0 rated, 960°C glow wire test
 - Stainless steel outer aesthetical cover, 57 mm height
 - Round shaped diffuser, tempered glass satin finish for "S" versions featuring diffused light
 - Silicone gaskets
 - Stainless steel trim and locking screws



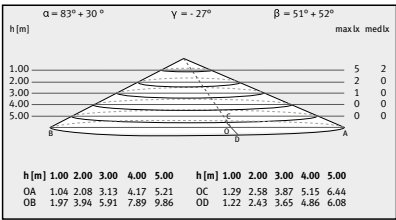
lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi$ ≥ 0,9	EEL	code	notes
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JOKER WALL S

Halogen

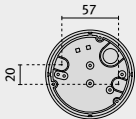
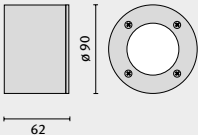
G4	max 1x10 W	HSG	SS1	III	64	•	•	IK07 2J xx5	008728
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If information about Kelvin degrees is provided, this means that the lamp is included.



 JOKER WALL S - 1x10 W HSG

SS1

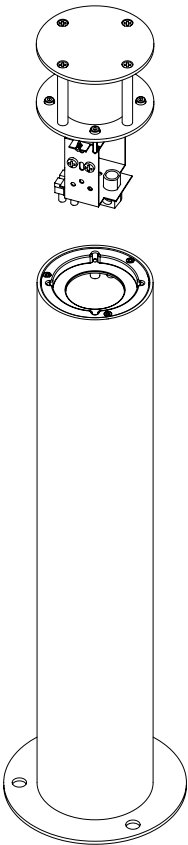




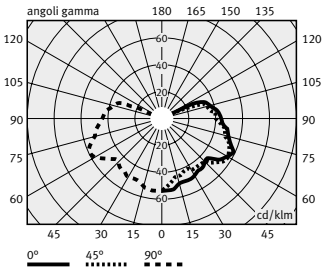
JOKER P

JOKER P		
	E14	max 1x40 W IBT
	G9	1x40 W HSG

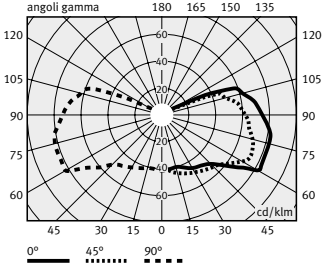
- Range of luminaires for post mount applications, comprising:
- Technopolymer base
 - Cylindrical shaped diffuser, satin glass
 - Aluminium reflector
 - Silicone gasket
 - Stainless steel covers and locking screws
 - 90 mm diameter stainless steel post, 500 mm height, complete with welded flange
 - Fitting is complete when installed onto post



 JOKER P - 1x40w IBT



 JOKER P - 1x40w HSG



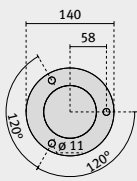
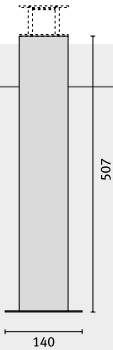
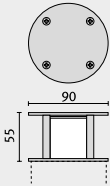
lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEI	code	notes
JOKER P												
E14	max 1x40 W	IBT	SS1	I	44	• •					IK06 1J xx3	006924
Halogen												
G9	1x40 W	HSG	SS1	I	44	• •	2900				IK06 1J xx3	006922

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Stainless steel pole 500	SS1	000935

SS1

COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	luminaire
B	post



JOKER LINE

design Roberto Fiorato



Range of luminaires for wall, post or inground installation, with cylindrical diffuser and screen in extruded aluminium in different heights.

JOKER LINE is designed for use with high efficiency energy saving T5 and T8 fluorescent lamps, which are also available in various colours.

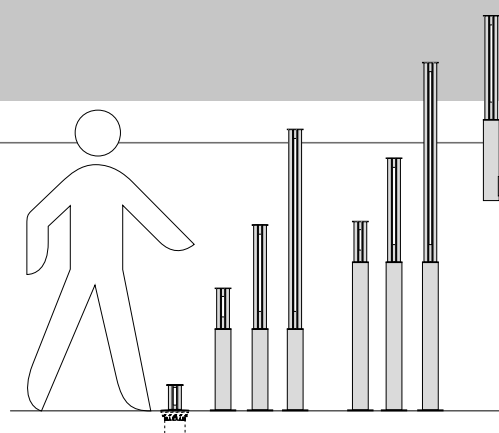
The fittings provide two light distribution patterns determined by the screening of the lamp chamber, other options available on request.

JOKER LINE and the recessed model Joker Inground are ideal for lighting pedestrian areas, entrances and access roads, to provide orientation or guidance signage. The wall model JOKER LINE WALL is ideal for being placed on colonnades and in hallways.



Fluorescent tubes T5 and T8 can give JOKER LINE interesting shades of coloured light, and add a decorative touch to the practical capacity of fluorescent light.

h max 2,2 m
h min 0,16 m



JOKER LINE 4

JOKER LINE 4 H.260		
	G24d-3	1x26 W FSQ
JOKER LINE 4 H.660		
	G5	1x24 W FDH
JOKER LINE 4 H.1264		
	G5	1x28 W FDH
	G5	1x54 W FDH

- Outdoor luminaire including:
- ↪ Extruded aluminium screen, available in three heights, with either two opposed openings (Joker Line 2) or four openings at 90° (Joker Line 4) featuring directional lighting
 - ↪ Other opening arrangements available upon request
 - ↪ Cylindrical diffuser made of transparent self-extinguishing polycarbonate, class V-0 rated, 850° C glow wire test
 - ↪ Technopolymer electrical gear support
 - ↪ Painted aluminium caps
 - ↪ Painted extruded aluminium post, 100 mm diameter, 510 mm height, complete with screwed on flange
 - ↪ As alternative, painted extruded aluminium post, 100 mm diameter, 930 mm height, complete with welded flange
 - ↪ Fitting is complete when installed onto post

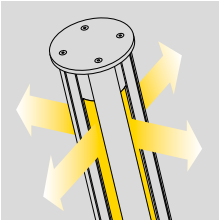
lampholder	W	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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JOKER LINE 4 H.260												
Fluorescent - magnetic ballast 230 V 50 Hz												
G24d-3	1x26 W	FSQ	GR3	II	55	•	•	2700	IK07 2J xx5	•	≤B2	006802
G24d-3	1x26 W	FSQ	AN3	II	55	•	•	2700	IK07 2J xx5	•	≤B2	006803

JOKER LINE 4 H.660												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x24 W	FDH	GR3	II	55	•	•	2700	IK07 2J xx5	•	A2÷A3	006814
G5	1x24 W	FDH	AN3	II	55	•	•	2700	IK07 2J xx5	•	A2÷A3	006815

JOKER LINE 4 H.1264												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x28 W	FDH	GR3	II	55	•	•	2700	IK07 2J xx5	•	A2	006818
G5	1x54 W	FDH	GR3	II	55	•	•	2700	IK07 2J xx5	•	A2	006822
G5	1x54 W	FDH	AN3	II	55	•	•	2700	IK07 2J xx5	•	A2	006823
G5	1x28 W	FDH	AN3	II	55	•	•	2700	IK07 2J xx5	•	A2	006819

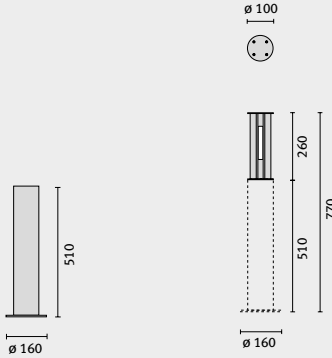
If information about Kelvin degrees is provided, this means that the lamp is included.



description	colour	code
Post h 510	GR3	000896
Post h 510	AN3	000897
Post h 930	AN3	000899
Post h 930	GR3	000898

GR3

AN3



COMPLETE UNIT

1A+1B = please order 2 codes

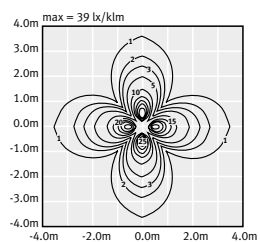
COMPONENTS

A luminaire

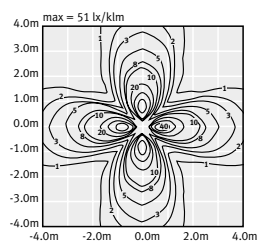
B post



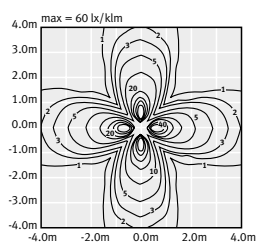
 **JOKER LINE 4 h 260**
1x26 W FSQ



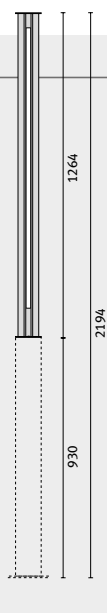
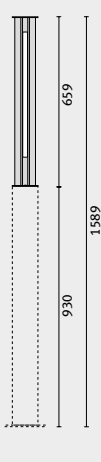
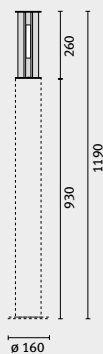
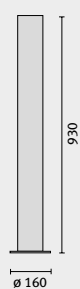
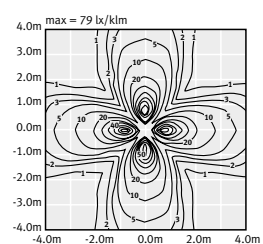
 **JOKER LINE 4 h 1264**
1x28 W T5 FQ FD



 **JOKER LINE 4 h 660**
1x24 W T5 FQ FD



 **JOKER LINE 4 h 1264**
1x54 W T5 FQ FD

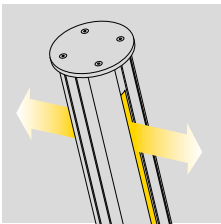


JOKER LINE 2

JOKER LINE 2 H.260			
	G24d-3	1x26 W FSQ	

JOKER LINE 2 H.660			
	G5	1x24 W FDH	

JOKER LINE 2 H.1264			
	G5	1x28 W FDH	
	G5	1x54 W FDH	



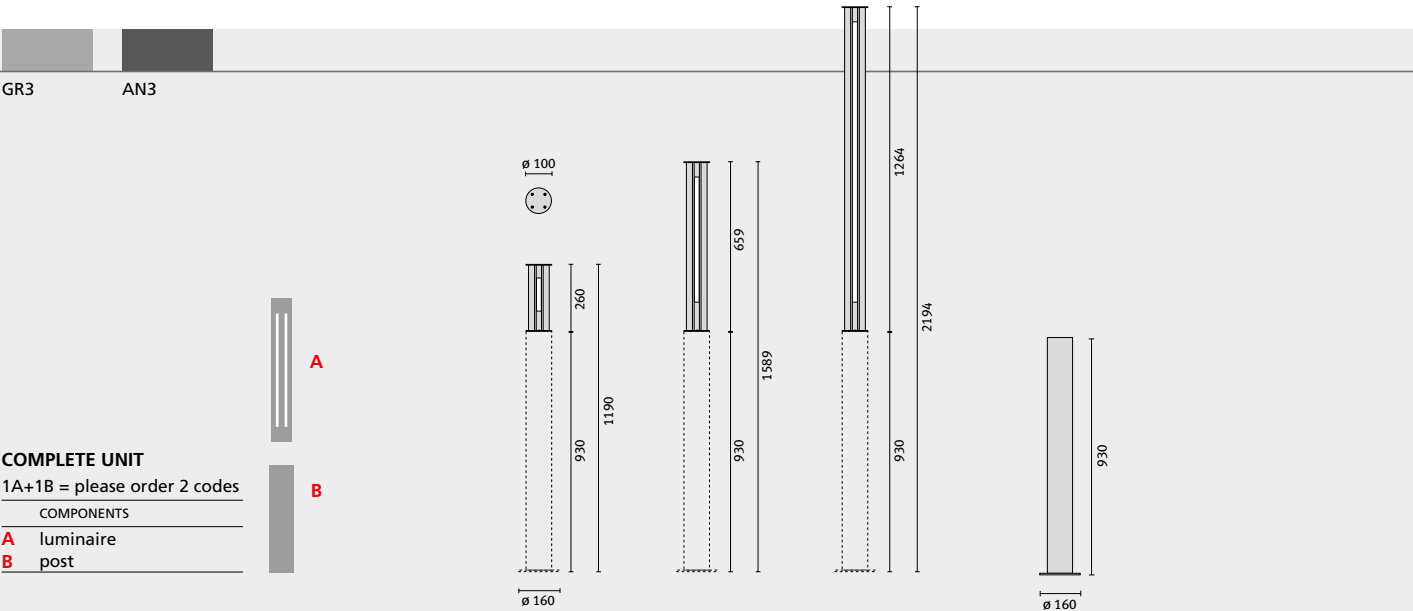
lampholder	W	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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JOKER LINE 2 H.260											
Fluorescent - magnetic ballast 230 V 50 Hz											
G24d-3	1x26 W	FSQ	GR3	II	55	• •	2700	IK07 2J xx5	•	≤B2	006800
G24d-3	1x26 W	FSQ	AN3	II	55	• •	2700	IK07 2J xx5	•	≤B2	006801

JOKER LINE 2 H.660											
Fluorescent - electronic ballast 220/240 V 50/60 Hz											
G5	1x24 W	FDH	GR3	II	55	• •	2700	IK07 2J xx5	•	A2÷A3	006812
G5	1x24 W	FDH	AN3	II	55	• •	2700	IK07 2J xx5	•	A2÷A3	006813

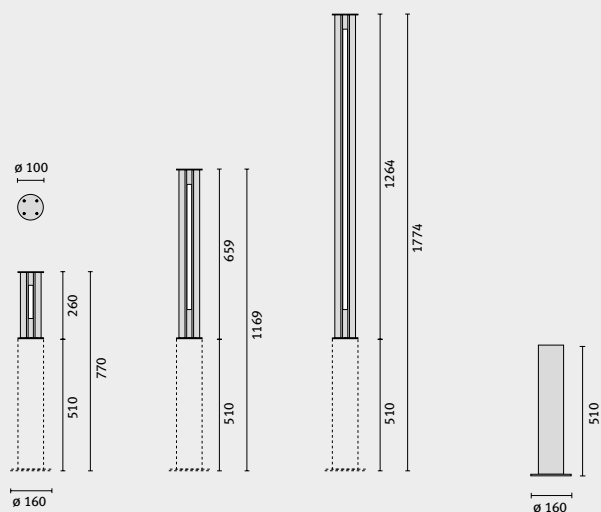
JOKER LINE 2 H.1264											
Fluorescent - electronic ballast 220/240 V 50/60 Hz											
G5	1x28 W	FDH	GR3	II	55	• •	2700	IK07 2J xx5	•	A2	006816
G5	1x54 W	FDH	GR3	II	55	• •	2700	IK07 2J xx5	•	A2	006820
G5	1x54 W	FDH	AN3	II	55	• •	2700	IK07 2J xx5	•	A2	006821
G5	1x28 W	FDH	AN3	II	55	• •	2700	IK07 2J xx5	•	A2	006817

If information about Kelvin degrees is provided, this means that the lamp is included.





DIOCESAN CENTRE - BANSKA BYSTRICA (SLOVAKIA)



JOKER LINE WALL

JOKER LINE WALL 2 H.660

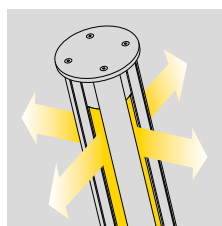
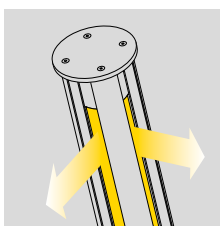
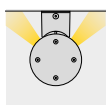
≡ G5 1x24 W FDH

JOKER LINE WALL 4 H.660

≡ G5 1x24 W FDH

Wall mounted luminaire for interior and exterior use comprising:

- Extruded aluminium screen with either two adjacent openings (Joker Line Wall 2) or four openings at 90° (Joker Line Wall 4) featuring directional lighting
- Other opening arrangements available upon request
- Cylindrical diffuser made of transparent self-extinguishing polycarbonate, class V-0 rated, 850°C glow wire test
- Technopolymer electrical gear support
- Painted aluminium cap and base flange
- Painted extruded aluminium housing, 100 mm diameter
- Painted aluminium wall bracket
- Electronic ballast
- Suitable for T5 coloured lamps (by others)
- Fitting is complete when installed onto post or bracket



A screen providing either two or four 90° angled openings directs the light output.

Joker line wall 2 may be mounted with openings facing the wall for indirect lighting or facing outside for direct lighting.

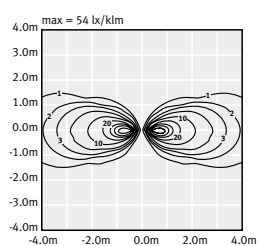
lampholder	W	colour	class	IP	⚡	▽	Kelvin	↕	Cos φ ≥ 0,9	EEL	code	notes
JOKER LINE WALL 2 H.660												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x24 W	FDH	GR3	II	55	• •	2700	IK07 2J xx5	A2÷A3		006836	
G5	1x24 W	FDH	AN3	II	55	• •	2700	IK07 2J xx5	A2÷A3		006837	
JOKER LINE WALL 4 H.660												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x24 W	FDH	GR3	II	55	• •	2700	IK07 2J xx5	A2÷A3		006814	
G5	1x24 W	FDH	AN3	II	55	• •	2700	IK07 2J xx5	A2÷A3		006815	

If information about Kelvin degrees is provided, this means that the lamp is included.

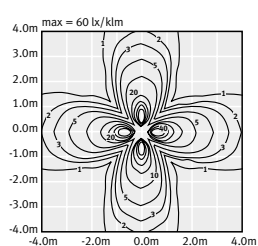
GR3

AN3

◀ JOKER LINE WALL 2
1x24 W T5 FQ FD



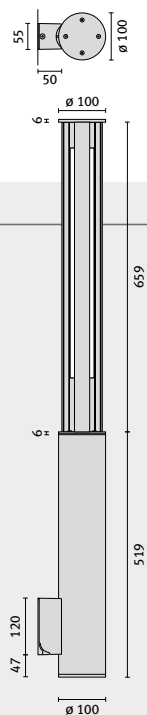
◀ JOKER LINE WALL 4
1x24 W T5 FQ FD



COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS	CODES
A housing	
B bracket	>page 125





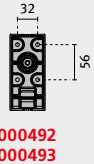
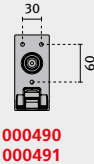
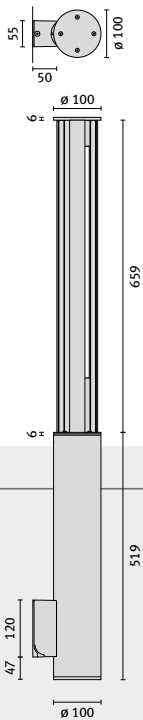
JOKER LINE WALL

JOKER LINE WALL
is available with
two types of brackets
for corner or direct
wall mounting.



description	colour	code
Bracket	AN3	000491
Bracket	GR3	000490
Corner bracket	AN3	000493
Corner bracket	GR3	000492

COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	CODES
A housing	> page 122
B bracket	



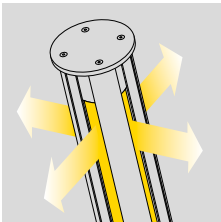
GR3 AN3

JOKER INGROUND

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

	G24d-2	1x18 W FSQ
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- Recessed inground luminaire for exterior use comprising:
- Extruded aluminium screen with four openings at 90° (Joker Inground 4) featuring directional lighting
 - Other opening arrangements available upon request
 - Cylindrical diffuser made of transparent self-extinguishing polycarbonate, class V-0 rated, 850°C glow wire test
 - Technopolymer electrical gear support, 750°C glow wire test rated
 - Painted aluminium cap and base flange
 - Technopolymer recessed kit for inground installation to be ordered separately



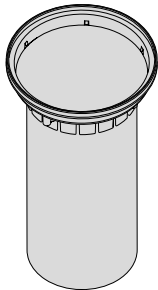
lampholder	W	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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JOKER INGROUND 4 H.155

Fluorescent - magnetic ballast 230 V 50 Hz

G24d-2	1x18 W	FSQ	GR3	I	67	• •	2700	IK07 2J xx5	≤B2		006834	
G24d-2	1x18 W	FSQ	AN3	I	67	• •	2700	IK07 2J xx5	≤B2		006835	

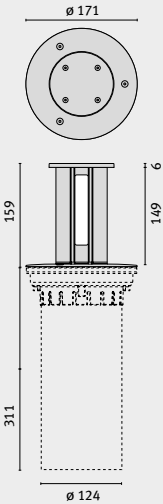
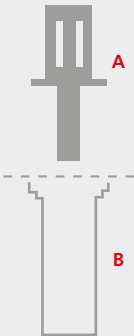
If information about Kelvin degrees is provided, this means that the lamp is included.



description	colour	code
Recessing fixing kit		000742

	
GR3	AN3

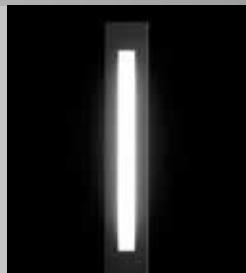
COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	luminaire
B	recessed fixing kit



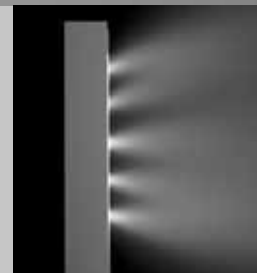


Q

Prisma Architectural Design



The Q-LINE SOFT version is equipped with a frosted diffuser, which prevents glare.



The Q-LED ADJ version is used to direct each LED individually.

Q is a range of pole-mounted outdoor luminaires for general and accent lighting, made entirely of aluminium and particularly suitable for residential contexts, urban pedestrian areas and public and private outdoor spaces. It is characterised by an essential, severe shape, by the wide range of products on offer and by the possibility of having four heights in two colours.

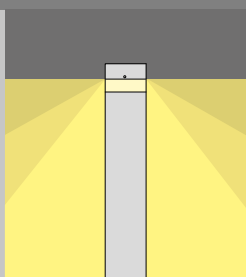
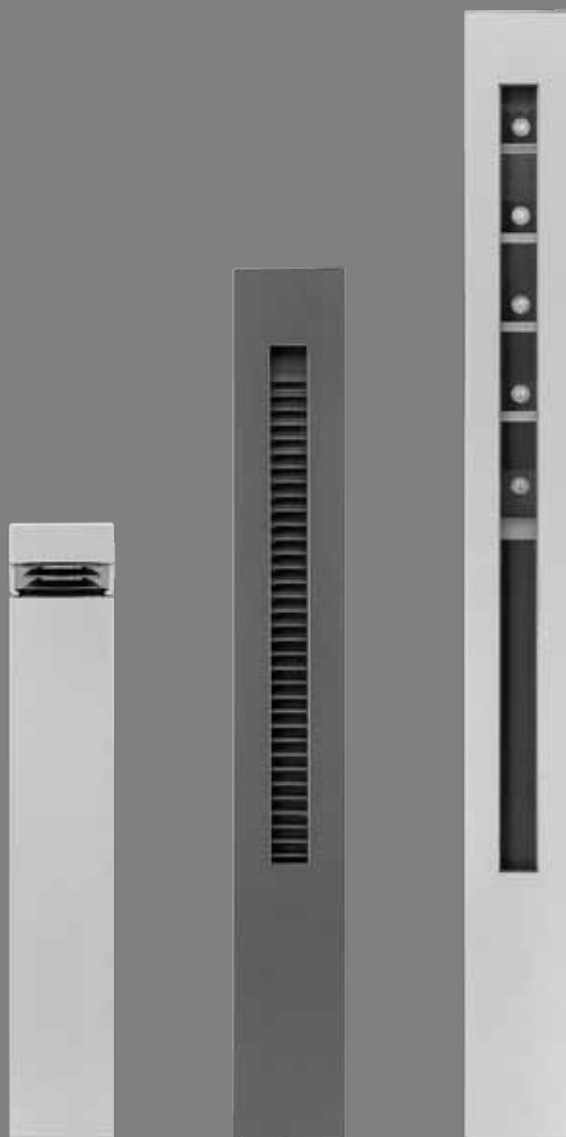
Q-LIGHT 600 complies with regulations against light pollution.

The Q-LINE RASTER and Q-LIGHT 600 R versions are equipped with a raster screen for comfortable, glare-free light output for the observer.

The Q-LED ADJ versions are equipped with individually-adjustable LEDs for accent lighting, while the Q-LED versions are equipped with fixed LEDs for general lighting.

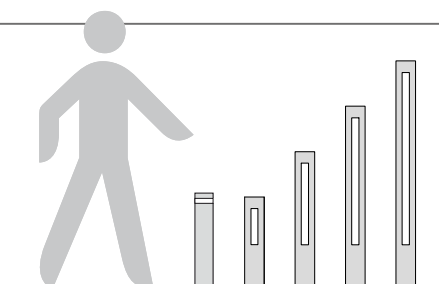
The range features QUICK versions complete with light source and quick junction box.

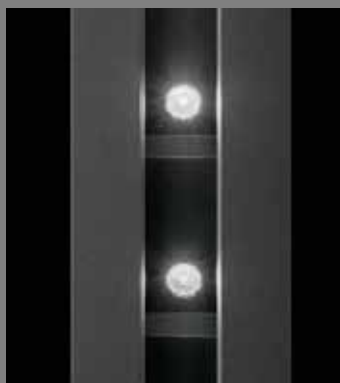
The Q range has fluorescent versions, discharge versions and versions with power LEDs with 3000 K warm light and 6000 K cool light.



The Q-LIGHT gas-discharge and fluorescent versions conform to light pollution standards.

h max 1,5 m
h min 0,6 m

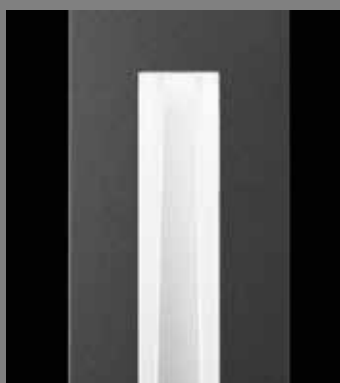




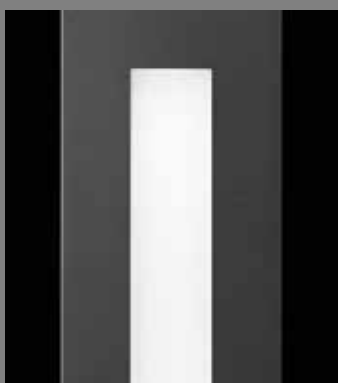
Q-LED



Q-LED ADJ



Q-TECH



Q-LINE SOFT



Q-LINE RASTER

The Q range features a wide range of diffusers that make it possible to direct or screen the light. The Q-LED ADJ version enables the orientation of each individual LED independently from the others.



Q-LIGHT 600



Q-LIGHT 600 R

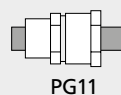
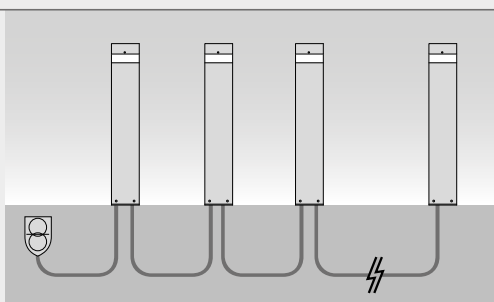


Quick!

The QUICK versions allow quick installation. They are supplied complete with lamp and junction box: the device runs on a simple electrical connection.



The Q-LIGHT polycarbonate diffuser with high impact strength is UV-stabilised, therefore prolonged exposure to sunlight does not change the colour and transparency.



The standard Q-LIGHT versions are equipped with two PG11 cable glands for through-wiring for $\varnothing 5$ mm to $\varnothing 10$ mm cables. The QUICK Q-LIGHT versions have a junction box for through-wiring. The maximum absorption should not exceed 10 A. For the 20 W JM versions, the absorption is 0.11 A, for the fluorescent versions it is 0.11A and for the LED versions it is 0.12 A.



Q-LED

Q-LED 900 Q-LED ADJ 900

	3 LED - 7,2 W 3000 K
	3 LED - 7,2 W 6000 K

Q-LED 1200 Q-LED ADJ 1200

	5 LED - 12 W 3000 K
	5 LED - 12 W 6000 K

Range of outdoor pole-mounted LED luminaires consisting of:

- Painted extruded aluminium pole
- Die-cast aluminium cover and base for in-ground installation
- Transparent glass diffuser
- Black painted aluminium LED holder structure
- In the ADJ versions, the individual LED sources can be oriented by $\pm 20^\circ$
- Extruded aluminium wiring compartment with die-cast aluminium heads

- Stainless steel fastening screws and dowels
- The luminaire comes complete with waterproof junction box designed for through-wiring for cable diameters from 5 mm to 14 mm
- The LED versions are available with a white 3000 K and 6000 K LED with 45° opening angle for ADJ versions and 40° for LED versions
- The DA versions are dual power switch versions, designed with two drivers arranged in parallel, and require two separate lines

lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi \geq 0,9$	EEL	code	notes
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Q-LED 900



Power LED 220/240 V 50/60 Hz

3 LED - 7,2 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301551	↓
3 LED - 7,2 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301535	↓
3 LED - 7,2 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301552	↓
3 LED - 7,2 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301536	↓

Q-LED 1200



Power LED 220/240 V 50/60 Hz

5 LED - 12 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301553	↓
5 LED - 12 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301537	↓
5 LED - 12 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301554	↓
5 LED - 12 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301538	↓

Q-LED ADJ 900



Power LED 220/240 V 50/60 Hz

3 LED - 7,2 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301547	↓
3 LED - 7,2 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301531	↓
3 LED - 7,2 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301532	↓
3 LED - 7,2 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301548	↓

Q-LED ADJ 1200



Power LED 220/240 V 50/60 Hz

5 LED - 12 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301549	↓
5 LED - 12 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301533	↓
5 LED - 12 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301550	↓
5 LED - 12 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301534	↓

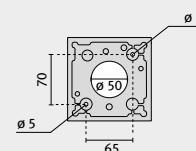
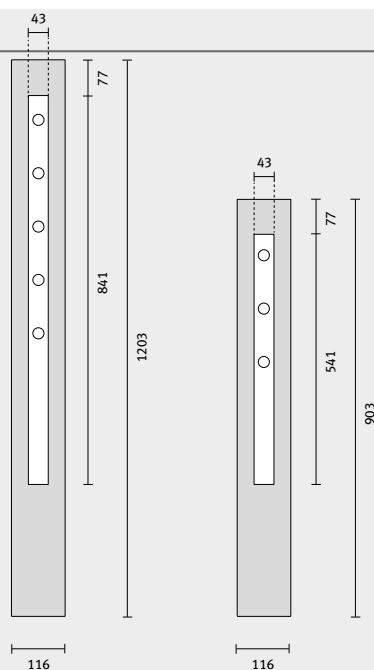
If information about Kelvin degrees is provided, this means that the lamp is included.

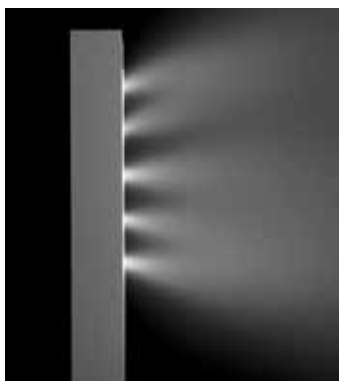
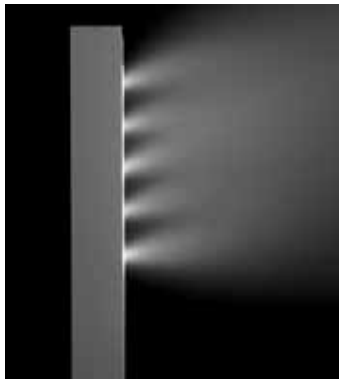
Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and junction box. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.





Each individual LED in the Q-LED ADJ version can be directed independently from the others ($\pm 20^\circ$).

Q-LED ADJ 1200



Q-LED 1200

double switch-on



Q-TECH

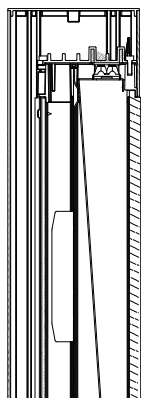
Q-TECH 600
Q-TECH 900

	1 LED - 9,6 W 3000 K
	1 LED - 9,6 W 6000 K

Range of outdoor pole-mounted LED luminaires consisting of:

- Painted extruded aluminium pole
- Die-cast aluminium cover and base for in-ground installation
- Transparent glass diffuser
- Anodised aluminium reflector
- Extruded aluminium wiring compartment with die-cast aluminium heads

- Stainless steel fastening screws and dowels
- The luminaire comes complete with waterproof junction box designed for through-wiring for cable diameters from 5 mm to 14 mm
- The LED versions are available with white 3000 K and 6000 K LED



The Q-TECH version emits reflected light only.
The LED is hidden inside the luminaire.

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\text{Cos } \varphi \geq 0,9$	EEL	code	notes
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Q-TECH 600

Power LED 220/240 V 50/60 Hz

1 LED - 9,6 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301539
1 LED - 9,6 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301543
1 LED - 9,6 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301540
1 LED - 9,6 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301544

Q-TECH 900

Power LED 220/240 V 50/60 Hz

1 LED - 9,6 W	GR3	I	65	• 3000	IK07 2J xx5	A2÷A3	301541
1 LED - 9,6 W	GR3	I	65	• 6000	IK07 2J xx5	A2÷A3	301545
1 LED - 9,6 W	AN3	I	65	• 3000	IK07 2J xx5	A2÷A3	301542
1 LED - 9,6 W	AN3	I	65	• 6000	IK07 2J xx5	A2÷A3	301546

If information about Kelvin degrees is provided, this means that the lamp is included.

Quick!

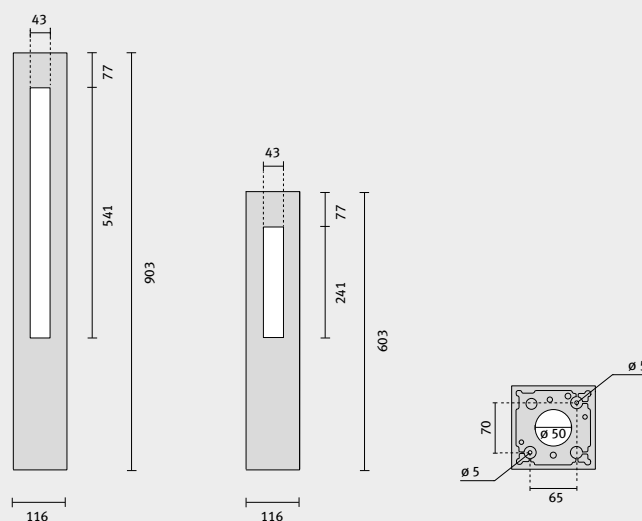


QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and junction box. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

GR3

AN3





Q-LINE SOFT

Q-LINE SOFT 900

=====	G5	1x14/24 W FDH
-------	----	---------------

Q-LINE SOFT 1200

=====	G5	1x21/39 W FDH
-------	----	---------------

Q-LINE SOFT 1500

=====	G5	1x28/54 W FDH
-------	----	---------------

Range of outdoor pole-mounted
luminaires consisting of:

- Painted extruded aluminium pole
- Die-cast aluminium cover and base for in-ground installation
- Frosted glass diffuser
- Extruded aluminium wiring compartment with die-cast aluminium heads
- Stainless steel fastening screws and dowels
- The luminaire comes complete with waterproof junction box designed for through-wiring for cable diameters from 5 mm to 14 mm



lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEl	code	notes
------------	---	-------	--------	-------	----	--	--------	--	----------------	-----	------	-------

Q-LINE SOFT 900

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x14/24 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301519	
G5	1x14/24 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301520	

Q-LINE SOFT 1200

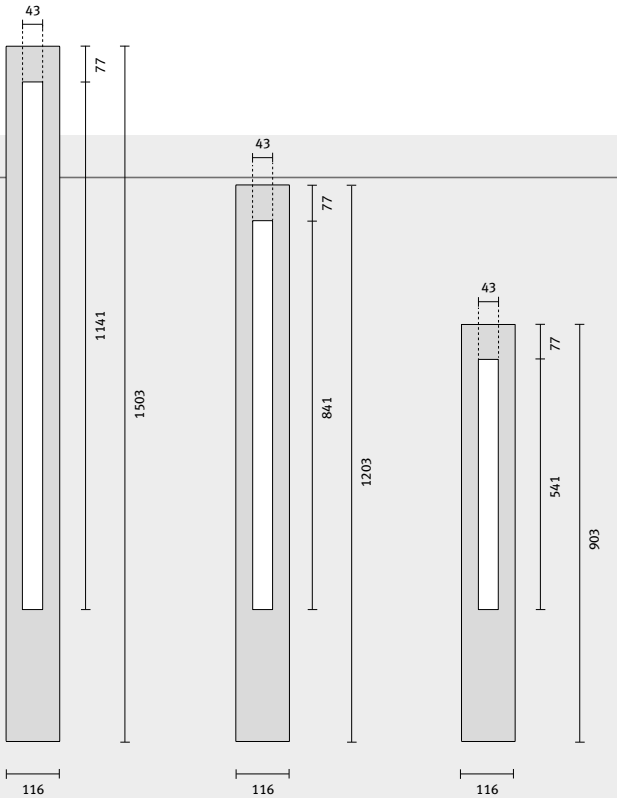
Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x21/39 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301521	
G5	1x21/39 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301522	

Q-LINE SOFT 1500

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x28/54 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301523	
G5	1x28/54 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301524	



Q-LINE RASTER

Q-LINE RASTER 900

=====	G5	1x14/24 W FDH
-------	----	---------------

Q-LINE RASTER 1200

=====	G5	1x21/39 W FDH
-------	----	---------------

Q-LINE RASTER 1500

=====	G5	1x28/54 W FDH
-------	----	---------------

Range of outdoor pole-mounted luminaires consisting of:

- Painted extruded aluminium pole
- Die-cast aluminium cover and base for in-ground installation
- Transparent glass diffuser
- Black painted aluminium raster to direct the light downwards
- Extruded aluminium wiring compartment with die-cast aluminium heads
- Stainless steel fastening screws and dowels
- The luminaire comes complete with waterproof junction box designed for through-wiring for cable diameters from 5 mm to 14 mm

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi \geq 0,9$	EEL	code	notes
------------	---	-------	--------	-------	----	--------	----------------------	-----	------	-------

Q-LINE RASTER 900

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x14/24 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301525
G5	1x14/24 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301526

Q-LINE RASTER 1200

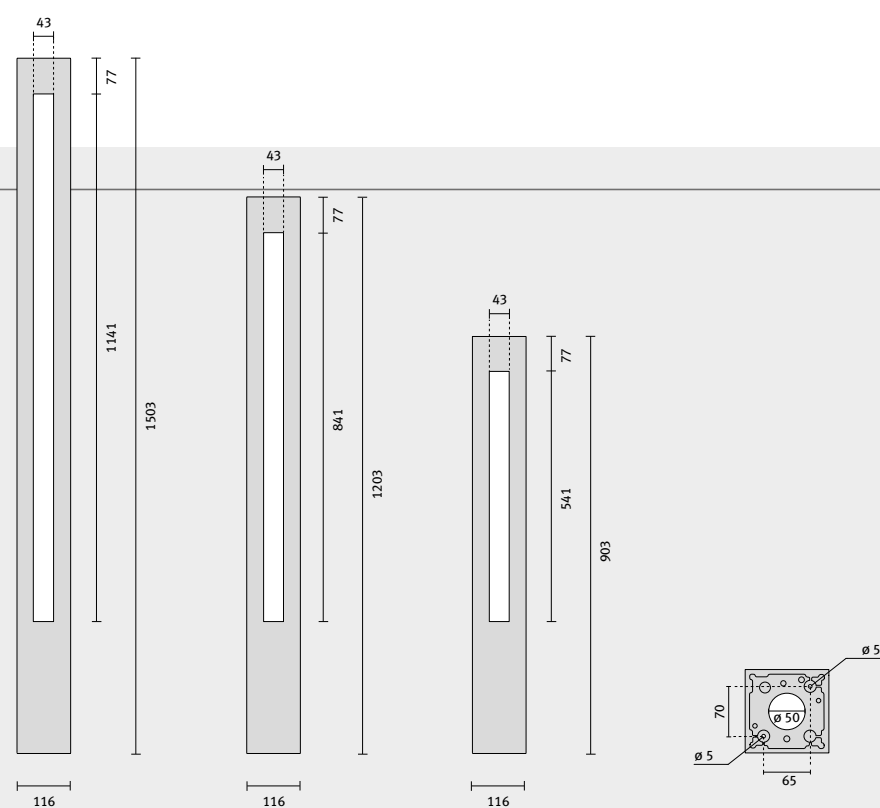
Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x21/39 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301527
G5	1x21/39 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301528

Q-LINE RASTER 1500

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G5	1x28/54 W	FDH	GR3	I	65	•	IK07 2J xx5	•	A2	301529
G5	1x28/54 W	FDH	AN3	I	65	•	IK07 2J xx5	•	A2	301530



Q-LIGHT

Q-LIGHT 600

	GU6,5	1x20 W MT
--	-------	-----------

Q-LIGHT 600 R

	G8,5	1x20 W MT
	GX24q-1	1x13 W FSM 2700 K
	GX24q-1	1x13 W FSM 4000 K

Q-LIGHT 600 LED

	1 LED - 5 W 3000 K
	1 LED - 5 W 6000 K

Range of post mounted luminaires suitable for outdoor installations comprising:

- Extruded aluminium painted finish posts
- Die-cast aluminium body and fixing plate for in-ground installation, painted finish
- HID versions are supplied with a GU6.5 lamp holder. LED versions feature a high purity aluminium reflector for high performance and uniformity
- Clear UV-stabilised and impact resistant technopolymer cover

- Type 'R' models are equipped with a die-cast aluminium louvre, finished painted black
- Die-cast aluminium body complete with two PG11 cable glands suitable for through wiring, to take Ø5 mm to Ø10 mm cables
- Stainless steel fixing screws and rods
- QUICK versions are supplied complete with lamps and 'water stop' connection box suitable for through wiring, to take Ø5 mm to Ø13 mm cables

- LED's are available in 3000K warm white and 6000K cold white versions
- The HID and fluorescent versions comply with the recommendations for glare control and upward light pollution to reduce the effect of sky glow

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and junction box. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEI	code	notes
------------	---	-------	--------	-------	----	---	--------	---	----------------	-----	------	-------

Q-LIGHT 600

Discharge - electronic ballast 220/240 V 50/60 Hz

GU6,5	1x20 W	MT	GR3	I	65	•	IK05 0,70J xx3	•	A2÷A3	3024975	
GU6,5	1x20 W	MT	AN3	I	65	•	IK05 0,70J xx3	•	A2÷A3	3024985	

Q-LIGHT 600 LED

Power LED 220/240 V 50/60 Hz

1 LED - 5 W		GR3	I	65	•	3000	IK05 0,70J xx3		A2÷A3	3025035	
1 LED - 5 W		GR3	I	65	•	6000	IK05 0,70J xx3		A2÷A3	3025045	
1 LED - 5 W		AN3	I	65	•	6000	IK05 0,70J xx3		A2÷A3	3025065	
1 LED - 5 W		AN3	I	65	•	3000	IK05 0,70J xx3		A2÷A3	3025055	

Q-LIGHT 600 R

Fluorescent - electronic ballast 220/240 V 50/60 Hz

GX24q-1	1x13 W	FSM	GR3	I	65	•	2700	IK05 0,70J xx3		A2÷A3	3024995	
GX24q-1	1x13 W	FSM	GR3	I	65	•	4000	IK05 0,70J xx3		A2÷A3	3025005	
GX24q-1	1x13 W	FSM	AN3	I	65	•	2700	IK05 0,70J xx3		A2÷A3	3025015	
GX24q-1	1x13 W	FSM	AN3	I	65	•	4000	IK05 0,70J xx3		A2÷A3	3025025	

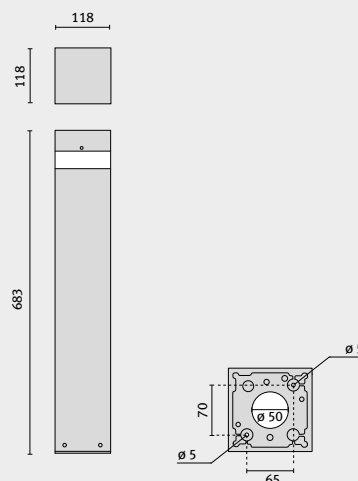
Discharge - electronic ballast 220/240 V 50/60 Hz

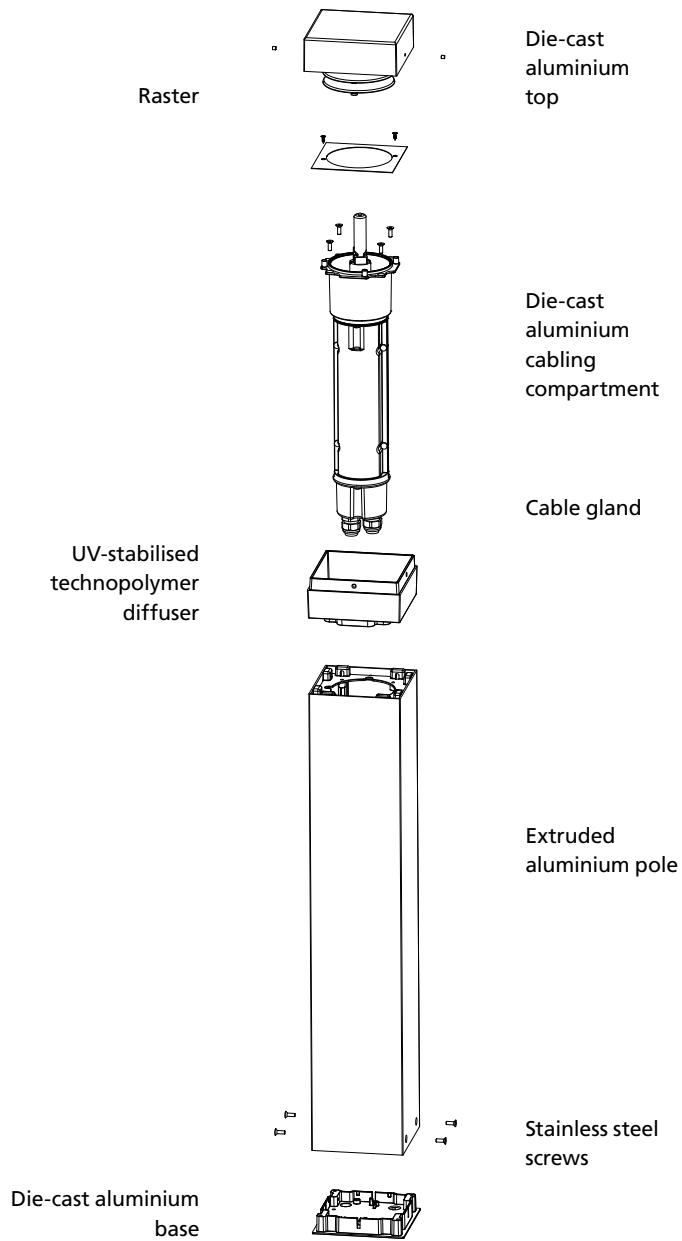
G8,5	1x20 W	MT	GR3	I	65	•	IK05 0,70J xx3	•	A2÷A3	3024955	
G8,5	1x20 W	MT	AN3	I	65	•	IK05 0,70J xx3	•	A2÷A3	3024965	

If information about Kelvin degrees is provided, this means that the lamp is included.

GR3

AN3





Reflector Q-LIGHT 600



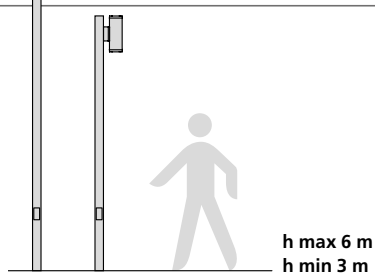
Raster Q-Light 600 R





DITTIK

design Roberto Fiorato



Range of luminaires for wall and post mounting or suspended installation, indoors and outdoors, single or double emission.

The fixture body is in extruded aluminium with a tempered glass diffuser.

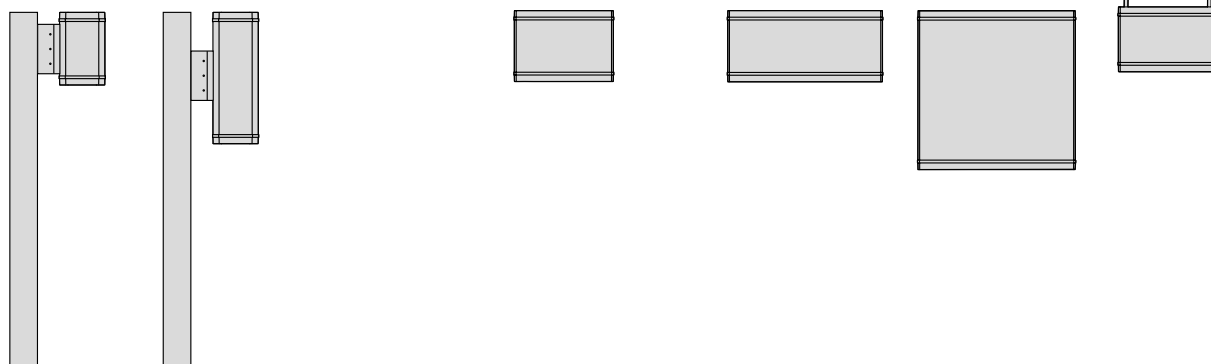
Depending on the size of the fixtures, the bulb compartment is designed for either metal halide lamps up to 250W or electronic fluorescent lamps up to 70W.

Metal halide models have symmetrical optics in 1 mm thick polished anodised 99.85 aluminium.

The suspended DITTIK LUM models have a quick adjustment systems by four steel cables.

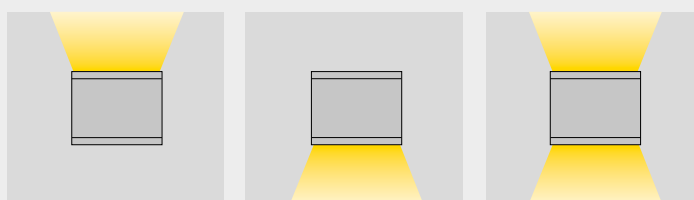
The high performance DITTIK fittings are ideal for lighting shopping centres, display areas and large spaces in general.

The suspended models are also suitable for residential settings and meeting rooms.





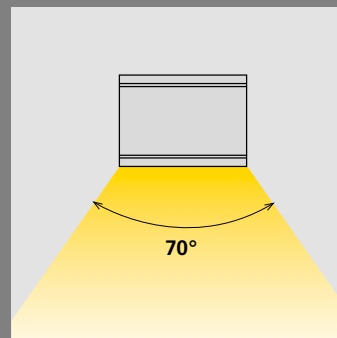
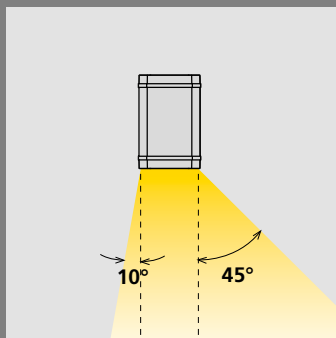
DITTIK luminaires are available in two versions: single emission (up light or down light), or double emission – which can be used as a mono-lamp or an up-down light, with compact fluorescent or discharge lamp gear.



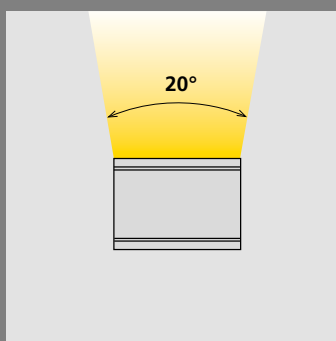
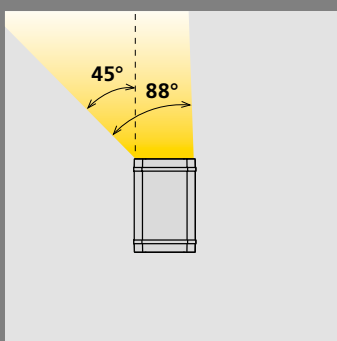
DITTIK is also available in emergency models.

Type A Reflector

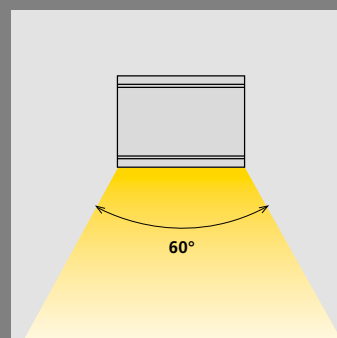
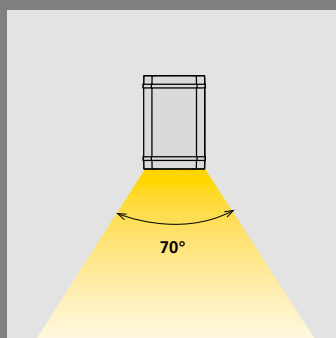
Asymmetric reflector, with 45° front vertical angle beam and 10° back vertical angle beam, and 70° lateral width beam.



Type B Reflector
Wall washer reflector, with 45°/88° front vertical angle beam and 20° lateral width beam.

**Type C Reflector**

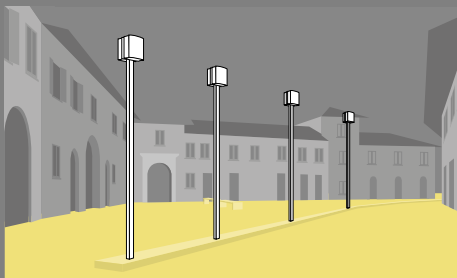
Symmetric reflector, with 70° front vertical angle beam and 60° lateral width beam.



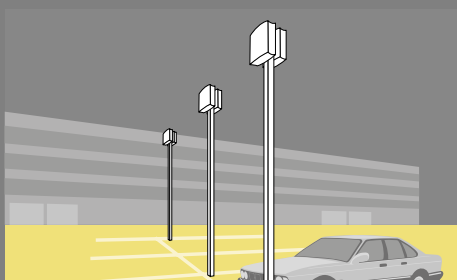
All models of DITTIK with metal halide lamps are available with reflectors, which are the end result of in-depth studies in design, which guarantee high efficiency lighting performance.



The bracket for wall mounting simplifies maintenance and installation, by making it possible to complete the wiring on the ground and then hang the fixture body without the need for special tools.



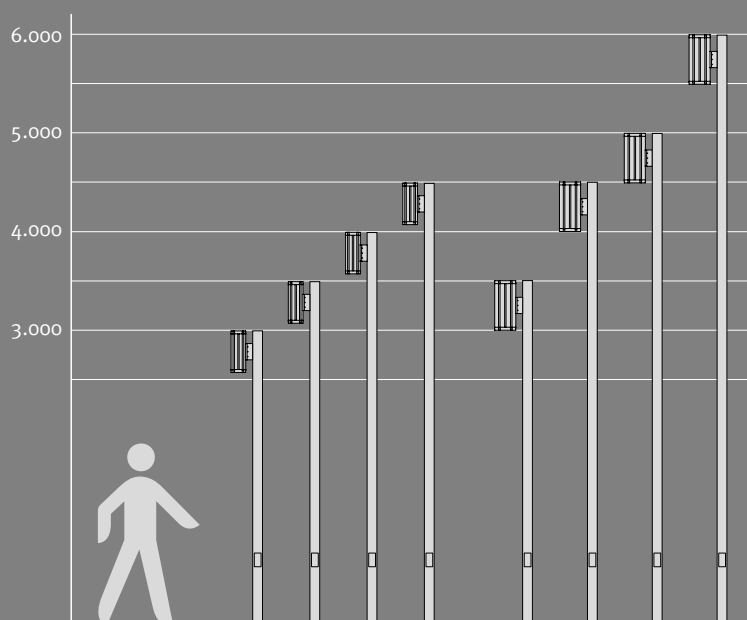
Landscape, public and pedestrian areas



Parking areas



Streets

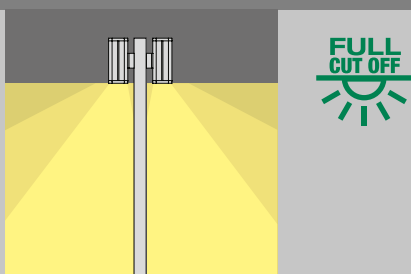


Root mounted (INT) secured by concrete.

Flange mounting (FT) with fixing rods secured by concrete. The baseplate, which also acts as a template, ensures a level fixing.

Flange plate fixing with root (FT) secured by concrete. For correct concrete base dimensions refer to information pages on poles.

	 G12	 G24q-3	 GX24q-5	 GX24q-6	 GX24q-4	 RX7s	 Fc2
DITTIK 300x230 B	1x70 W MT		1x57 W/T FSM				
DITTIK 300x230 M			1x57w W/T FSM				
DITTIK 300x230 M EM 3P		1x26 W FSQ					
DITTIK 300x230 M/A DITTIK 300x230 M/B DITTIK 300x230 M/C	1x70 W MT						
DITTIK 500x220 B				1x70 W/T FSM			
DITTIK 500x500 EM 1P					2x42 W FSM		
DITTIK 500x220 M/A DITTIK 500x220 M/B DITTIK 500x220 M/C						1x150 W MD	
DITTIK 500x500 B				2x70 W/T FSM			
DITTIK 500x500 B/AA DITTIK 500x500 B/BB DITTIK 500x500 B/CC DITTIK 500x500 B/AB DITTIK 500x500 B/AC DITTIK 500x500 B/BC						2x150 W MD	
DITTIK 500x500 M/A DITTIK 500x500 M/B DITTIK 500x500 M/C							1x250 W MD



The design of the fitting and optical chamber and a proper installation allow a strict control of the light distribution.

The Dittik range is able to comply with the recommendations for glare control and upward light pollution and reduce the effect of sky glow.

The bracket for mounting simplifies maintenance and installation, by making it possible to complete the wiring on the ground and then hang the fixture body without the need for special tools.



DITTIK 300x230

DITTIK 300X230 B		
	G12	1x70 W MT
	GX24q-5	1x57 W FSM

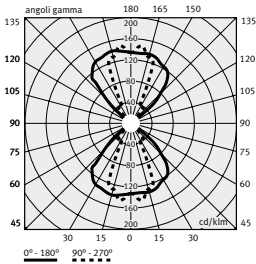
DITTIK 300X230 M		
	GX24q-5	1x57 W FSM

DITTIK 300X230 M EM 3P		
	G24q-3	1x26 W FSQ

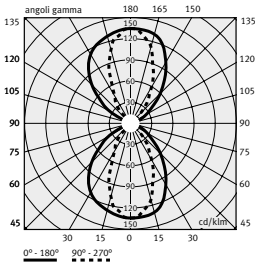
DITTIK 300X230 M/A		
DITTIK 300X230 M/B		
DITTIK 300X230 M/C		
	G12	1x70 W MT

- Luminaire for exterior and interior use comprising:
- Painted extruded aluminium housing 300 mm width, with a variety of heights depending on the control gear and lamp options
 - Painted die cast aluminium trims and caps
 - Painted die cast aluminium bracket for wall mounted applications, featuring ease of installation
 - Tempered clear glass diffuser
 - Polymer gasket
 - Aluminium type 99,85 reflectors with controlled optics G12 lamp type versions, featuring light beam type A, B, or C
 - B versions, i.e. dual emission, are supplied with either one or two light sources and are designed to allow a dual sided light output both upwards and downwards
 - M versions, i.e. single emission, are supplied with a single light source and are designed to allow a single sided light output either upwards or downwards
 - Compact fluorescent or discharge lamp gear, with light output upwards and downwards
 - Other optics are available on request

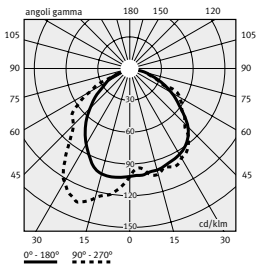
 DITTIK 300x230 B
1x70 W MT



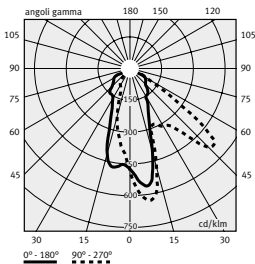
 DITTIK 300x230 B
1x57 W FSM



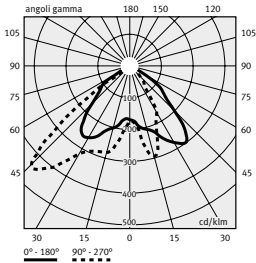
 DITTIK 300x230 M
1x57 W FSM



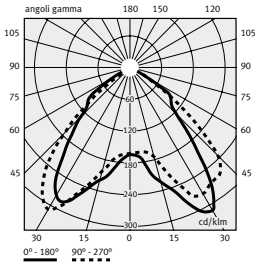
 DITTIK 300x230 M/B
1x70 W MT



 DITTIK 300x230 M/A
1x70 W MT

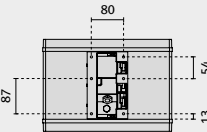
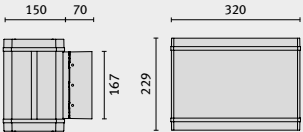
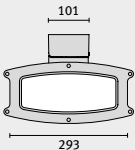


 DITTIK 300x230 M/C
1x70 W MT



GR3

AN3





	lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEI	code	notes
Dual emission	DITTIK 300X230 B										
	Fluorescent - electronic ballast 220/240 V 50/60 Hz										
	GX24q-5	1x57 W	FSM	GR3	I	65	• •	IK07 2J xx5	•	A2	006760
	GX24q-5	1x57 W	FSM	AN3	I	65	• •	IK07 2J xx5	•	A2	006761
	Discharge - magnetic ballast 230 V 50 Hz										
Single emission	G12	1x70 W	MT	GR3	I	65	• •	IK07 2J xx5	•		006762
	G12	1x70 W	MT	AN3	I	65	• •	IK07 2J xx5	•		006763
	DITTIK 300X230 M										
	Fluorescent - electronic ballast 220/240 V 50/60 Hz										
	GX24q-5	1x57 W	FSM	GR3	I	65	• •	IK07 2J xx5	•	A2	006758
Single emission	GX24q-5	1x57 W	FSM	AN3	I	65	• •	IK07 2J xx5	•	A2	006759
	DITTIK 300X230 M EM/3P										
	Emergency - electronic ballast										
	G24q-3	1x26 W	FSQ	GR3	I	65	•	IK07 2J xx5	•	A2	3007705
	G24q-3	1x26 W	FSQ	AN3	I	65	•	IK07 2J xx5	•	A2	3007715
Single emission with controlled optics (A reflector)	DITTIK 300X230 M/A										
	Discharge - magnetic ballast 230 V 50 Hz										
	G12	1x70 W	MT	GR3	I	65	• •	IK07 2J xx5	•		006752
	G12	1x70 W	MT	AN3	I	65	• •	IK07 2J xx5	•		006753
	DITTIK 300X230 M/B										
Single emission with controlled optics (B reflector)	Discharge - magnetic ballast 230 V 50 Hz										
	G12	1x70 W	MT	GR3	I	65	• •	IK07 2J xx5	•		006754
	G12	1x70 W	MT	AN3	I	65	• •	IK07 2J xx5	•		006755
	DITTIK 300X230 M/C										
	Discharge - magnetic ballast 230 V 50 Hz										
Single emission with controlled optics (C reflector)	G12	1x70 W	MT	GR3	I	65	• •	IK07 2J xx5	•		006756
	G12	1x70 W	MT	AN3	I	65	• •	IK07 2J xx5	•		006757

1
emergency - 1 hour

2
emergency - 2 hours

3
emergency - 3 hours

POSTS FOR THE SERIES

DITTIK 300**Q100 poles**

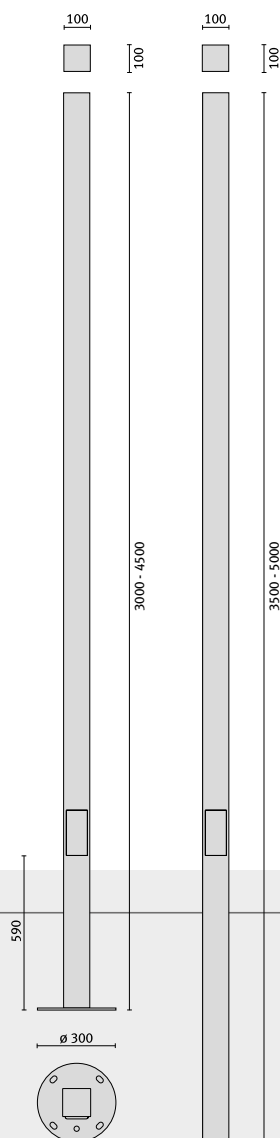
Range of poles of different heights made of painted extruded aluminium (UNI 6060) including:

- available posts of workable height of 3,0 m, 3,5 m, 4,0 m and 4,5 m for F.T. versions complete with welded flange. Buried poles are available for workable height of 3,0 + 0,5m, 3,5 + 0,5 m, 4,0 + 0,5 m and 4,5 + 0,5 m
- V0 UL-94 rated self-extinguishing technopolymer connection box complete with, terminal board with four 16 sq mm terminals
- possibility of pole grounding to be done through the connection box
- pole weight: kg 3,12 per meter, plus 1,26 kg welded flange (F.T. versions only)
- Poles are factory-arranged to house two opposed luminaires. It is not possible to install at the same height two luminaires on contiguous sides of the pole. A proper template, supplied with the pole itself, allow to make, if required, extra holes to house other luminaires on the remaining pole's sides along the pole
- pole and flange are subjected to chemical conversion treatment before painting, the latter is made by polyester powder coating, with highest resistance to sunlight, heat and atmospheric conditions
- "F.T." poles are supplied complete with 300 mm diameter aluminium flange welded to the pole, colour to match the pole and are suitable to be installed on ground piece (art. 8167), or on flange (art. 741) complete with four fixing rods (art. 768)
- structure's dynamic pressure: 900 N/m²
- concrete basement to be calculated according to $MR \leq y b c^3 + 0.85 Pa/2$ where MR stands for the turning over momentum of the force used onto the basement, "a" and "b" the basement's sides, "c" its height, "P" its weight and "y" the resistance from the ground

description	colour	code
Pole Q100 F.T. 3,5 m c/w flange	AN3	000334
Pole Q100 F.T. 3,5 m c/w flange	GR3	000333
Pole Q100 F.T. 4 m c/w flange	AN3	000340
Pole Q100 F.T. 4 m c/w flange	GR3	000339
Pole Q100 F.T. 4,5 m c/w flange	AN3	000336
Pole Q100 F.T. 4,5 m c/w flange	GR3	000335
Pole Q100 INT. (buried) 4,5+0,5 m	AN3	000346
Pole Q100 INT. (buried) 4,5+0,5 m	GR3	000345
Pole Q100 INT. (buried) 3,5+0,5 m	AN3	000342
Pole Q100 INT. (buried) 3,5+0,5 m	GR3	000341
Pole Q100 INT. (buried) 4+0,5 m	AN3	000348
Pole Q100 INT. (buried) 4+0,5 m	GR3	000347
Flange plate fixing root		008167
Fixing rod Ø 18 x 400		000768
Flange plate/1 F.T. post		000741

GR3

AN3

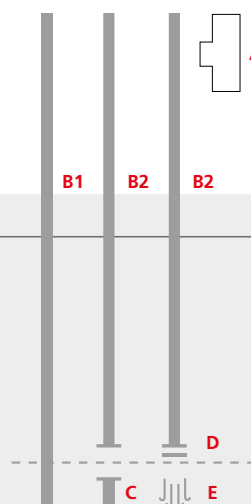
**COMPLETE UNIT**

1A+1B1 = please order 2 codes

1A+1B2+1C = please order 3 codes

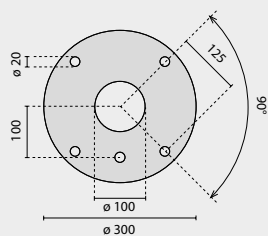
1A+1B2+1D+4E = please order 7 codes

COMPONENTS	CODES
A luminaire	> page 147
B1 post INT	
B2 post FT	
C flange plate fixing root	
D flange plate	
E fixing rod	





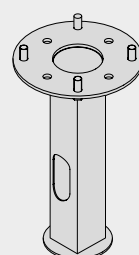
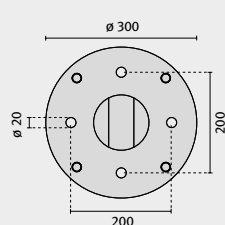
000741



000768



008167



DITTIK 500x220

DITTIK 500x220 B

 GX24q-6 1x70 W FSM

DITTIK 500x220 M/A

DITTIK 500x220 M/B

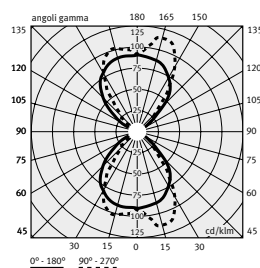
DITTIK 500x220 M/C

 RX7s 1x150 W MD

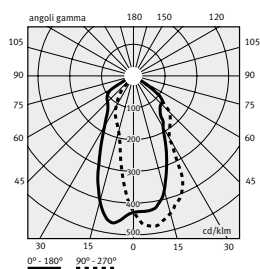
Luminaire for exterior and interior use comprising:

- Painted extruded aluminium housing 500 mm width, with a variety of heights depending on the control gear and lamp options.
- Painted die cast aluminium trims and caps
- Painted die cast aluminium bracket for wall mounted applications, featuring ease of installation
- Tempered clear glass diffuser
- Polymer gasket
- Aluminium type 99,85 reflectors with controlled optics for Rx7s and Fc2 lamp type versions, featuring light beam type A, B, or C and carry dual ballast suitable for both tubular TS double ended metal halide and high pressure sodium lamp
- B versions, i.e. dual emission, are supplied with either one or two light sources and are designed to allow a dual sided light output both upwards and downwards
- M versions, i.e. single emission, are supplied with a single light source and are designed to allow a single sided light output either upwards or downwards
- Compact fluorescent or discharge lamp gear, with light output upwards and downwards
- Other optics are available on request

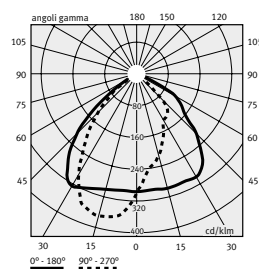
 DITTIK 500x220 B
1x70 W FSM



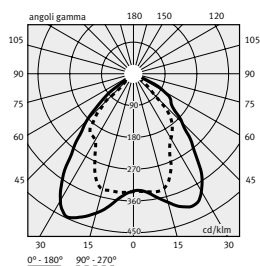
 DITTIK 500x220 M/B
1x150 W MD



 DITTIK 500x220 M/A
1x150 W MD

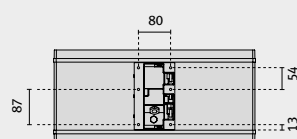
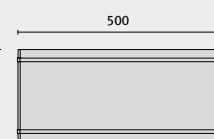
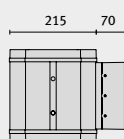
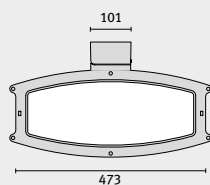


 DITTIK 500x220 M/C
1x150 W MD



GR3

AN3





lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ $\geq 0,9$	EEI	code	notes
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Dual emission		DITTIK 500X220 B											
		Fluorescent - electronic ballast 220/240 V 50/60 Hz											
		GX24q-6	1x70 W	FSM	GR3	I	65	• •	IK07 2J xx5	•	A2	006728	
Single emission with controlled optics (A reflector)		GX24q-6	1x70 W	FSM	AN3	I	65	• •	IK07 2J xx5	•	A2	006729	
		DITTIK 500X220 M/A											
		Discharge - magnetic ballast 230 V 50 Hz											
Single emission with controlled optics (B reflector)		RX7s	1x150 W	MD	GR3	I	65	• •	IK07 2J xx5	•		006720	
		RX7s	1x150 W	MD	AN3	I	65	• •	IK07 2J xx5	•		006721	
		DITTIK 500X220 M/B											
Single emission with controlled optics (C reflector)		Discharge - magnetic ballast 230 V 50 Hz											
		RX7s	1x150 W	MD	GR3	I	65	• •	IK07 2J xx5	•		006722	
		RX7s	1x150 W	MD	AN3	I	65	• •	IK07 2J xx5	•		006723	
Single emission with controlled optics (C reflector)		DITTIK 500X220 M/C											
		Discharge - magnetic ballast 230 V 50 Hz											
		RX7s	1x150 W	MD	GR3	I	65	• •	IK07 2J xx5	•		006724	
		RX7s	1x150 W	MD	AN3	I	65	• •	IK07 2J xx5	•		006725	

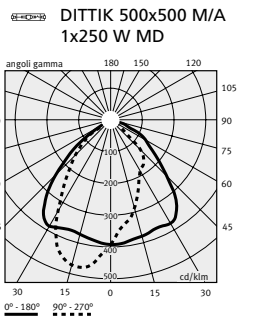
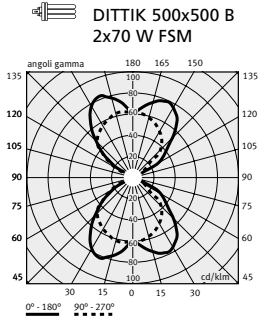
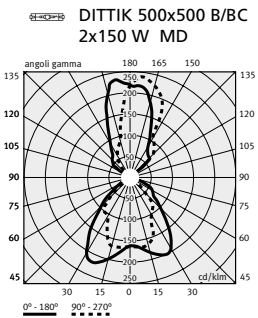
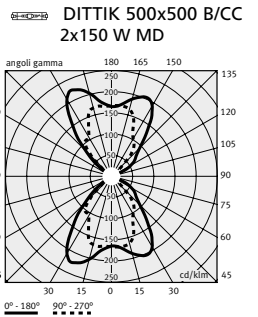
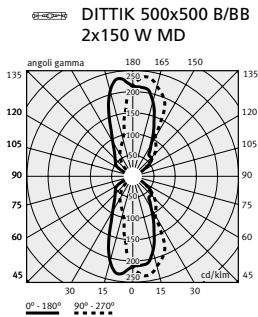
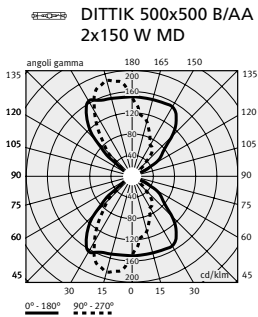
DITTIK 500x500

DITTIK 500X500 B
 GX24q-6 2x70 W FSM

DITTIK 500X500 EM 1P
 GX24q-4 2x42 W FSM

DITTIK 500X500 B/AA
DITTIK 500X500 B/BB
DITTIK 500X500 B/CC
DITTIK 500X500 B/AB
DITTIK 500X500 B/AC
DITTIK 500X500 B/BC
 RX7s 2x150 W MD

DITTIK 500X500 M/A
DITTIK 500X500 M/B
DITTIK 500X500 M/C
 Fc2 1x250 W MD

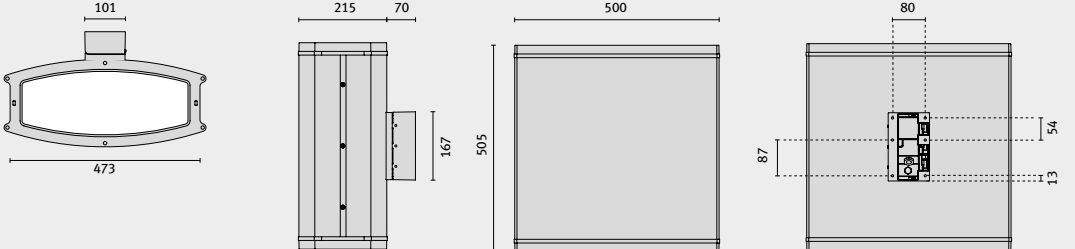


lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ $\geq 0,9$	EEL	code	notes
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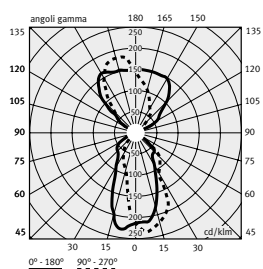
Dual emission	
Dual emission	
Dual emission with controlled optics (A reflector)	
Dual emission with controlled optics (B reflector)	
Dual emission with controlled optics (C reflector)	
Dual emission with controlled optics (A and B reflector)	

DITTIK 500X500 B													
Fluorescent - electronic ballast 220/240 V 50/60 Hz													
GX24q-6	2x70 W	FSM	GR3	I	65	•	•		IK07 2J xx5	•	A2	006712	
GX24q-6	2x70 W	FSM	AN3	I	65	•	•		IK07 2J xx5	•	A2	006713	
DITTIK 500X500 B EM/1P													
Emergency - electronic ballast													
GX24q-4	2x42 W	FSM	GR3	I	65	•			IK07 2J xx5	•	A2	3007725	↓
GX24q-4	2x42 W	FSM	AN3	I	65	•			IK07 2J xx5	•	A2	3007735	↓
DITTIK 500X500 B/AA													
Discharge - magnetic ballast 230 V 50 Hz													
RX7s	2x150 W	MD	GR3	I	65	•	•		IK07 2J xx5	•		006700	
RX7s	2x150 W	MD	AN3	I	65	•	•		IK07 2J xx5	•		006701	
DITTIK 500X500 B/BB													
Discharge - magnetic ballast 230 V 50 Hz													
RX7s	2x150 W	MD	GR3	I	65	•	•		IK07 2J xx5	•		006702	
RX7s	2x150 W	MD	AN3	I	65	•	•		IK07 2J xx5	•		006703	
DITTIK 500X500 B/CC													
Discharge - magnetic ballast 230 V 50 Hz													
RX7s	2x150 W	MD	GR3	I	65	•	•		IK07 2J xx5	•		006704	
RX7s	2x150 W	MD	AN3	I	65	•	•		IK07 2J xx5	•		006705	
DITTIK 500X500 B/AB													
Discharge - magnetic ballast 230 V 50 Hz													
RX7s	2x150 W	MD	GR3	I	65	•	•		IK07 2J xx5	•		006706	
RX7s	2x150 W	MD	AN3	I	65	•	•		IK07 2J xx5	•		006707	

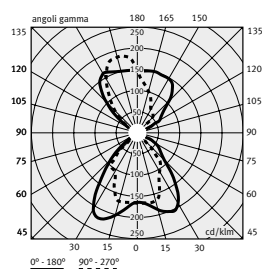
GR3 AN3



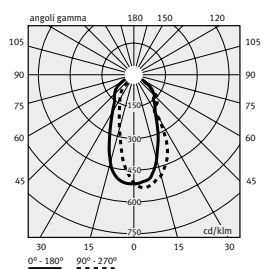
DITTIK 500x500 B/AB
2x150 W MD



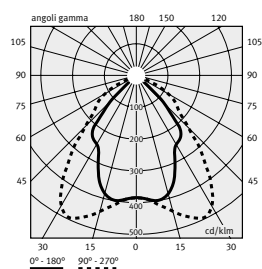
DITTIK 500x500 B/AC
2x150 W MD



DITTIK 500x500 M/B
1x250 W MD



DITTIK 500x500 M/C
1x250 W MD



lampholder W ILCOS colour class IP Kelvin $\uparrow$ $\cos \varphi \geq 0,9$ EEI code notes

Dual emission
with controlled optics
(A and C reflector)



DITTIK 500X500 B/AC

Discharge - magnetic ballast 230 V 50 Hz

RX7s	2x150 W	MD	GR3	I	65	•	•	IK07 2J xx5	•	006708
RX7s	2x150 W	MD	AN3	I	65	•	•	IK07 2J xx5	•	006709

Dual emission
with controlled optics
(B and C reflector)



DITTIK 500X500 B/BC

Discharge - magnetic ballast 230 V 50 Hz

RX7s	2x150 W	MD	GR3	I	65	•	•	IK07 2J xx5	•	006710
RX7s	2x150 W	MD	AN3	I	65	•	•	IK07 2J xx5	•	006711

Single emission with
controlled optics
(A reflector)



DITTIK 500X500 M/A

Discharge - magnetic ballast 230 V 50 Hz

Fc2	1x250 W	MD	GR3	I	65	•	•	IK07 2J xx5	•	006714
Fc2	1x250 W	MD	AN3	I	65	•	•	IK07 2J xx5	•	006715

Single emission with
controlled optics
(B reflector)



DITTIK 500X500 M/B

Discharge - magnetic ballast 230 V 50 Hz

Fc2	1x250 W	MD	GR3	I	65	•	•	IK07 2J xx5	•	006716
Fc2	1x250 W	MD	AN3	I	65	•	•	IK07 2J xx5	•	006717

Single emission with
controlled optics
(C reflector)



DITTIK 500X500 M/C

Discharge - magnetic ballast 230 V 50 Hz

Fc2	1x250 W	MD	GR3	I	65	•	•	IK07 2J xx5	•	006718
Fc2	1x250 W	MD	AN3	I	65	•	•	IK07 2J xx5	•	006719

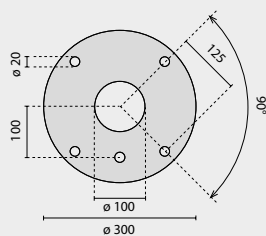
1
emergency - 1 hour

2
emergency - 2 hours

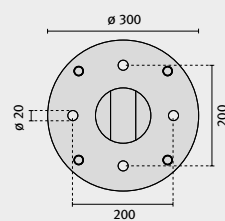
3
emergency - 3 hours



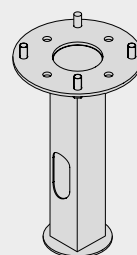
000741



008167



000768



POSTS FOR THE SERIES

DITTIK 500

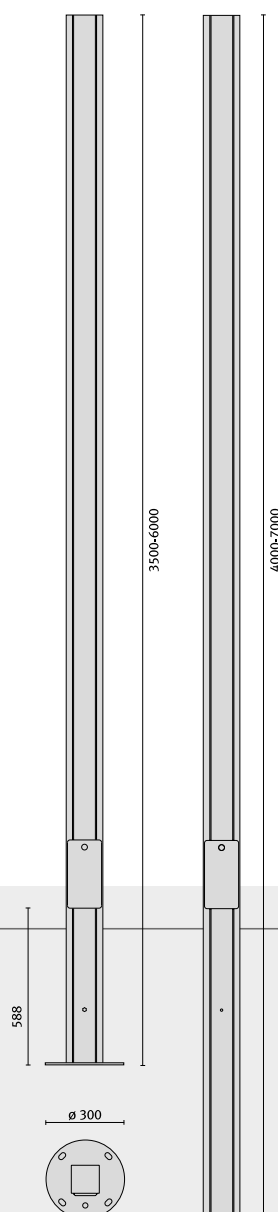
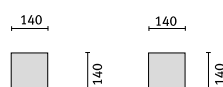
Q140 poles

Range of poles of different heights made of painted extruded aluminium (UNI 6060) including:

- Available for workable height of 3,5 m, 4,0 m, 5,0 m and 6 m for F.T. versions complete with welded flange. Buried poles are available with workable height of 3,5 + 1 m, 4,0 + 1 m, 5,0 + 1 m and 6,0 + 1 m
- Technopolymer connection box with fuse holder, terminal board with five 16mm² terminals allowing a looping in and out from a possible 3-phase and neutral supply
- Additional grounding connection adjacent to the post bottom, to be made with nut and screw M8x20
- Pole weight: kg 4,8 per meter, plus 1,1 kg welded flange (F.T. versions only)
- Poles are factory-arranged to house two opposed luminaires. It is not possible to install at the same height two luminaires on contiguous sides of the pole. A proper template, supplied with the pole itself, allow to make, if required, extra threaded holes to house other luminaires on the remaining poles' sides at any desired height

- pole and flange are subjected to chemical conversion surface treatment before painting, the latter is made by polyester powder coating, with highest resistance to sunlight, heat and atmospheric conditions
- "F.T." poles are supplied complete with 300 mm diameter aluminium flange welded to the pole, colour to match the pole and are suitable to be installed on ground piece (art. 8167)
- structure's dynamic pressure: 900 N/m²
- concrete basement to be calculated according to $MR \leq y b c^3 + 0.85 Pa/2$ where MR stands for the turning over momentum of the force used onto the basement, a and b the basement's sides, c its height, P its weight and y the resistance from the ground

description	colour	code
Pole Q140 F.T. 4 m c/w flange	AN3	000318
Pole Q140 F.T. 4 m c/w flange	GR3	000317
Pole Q140 F.T. 5 m c/w flange	AN3	000320
Pole Q140 F.T. 5 m c/w flange	GR3	000319
Pole Q140 F.T. 6 m c/w flange	AN3	000322
Pole Q140 F.T. 6 m c/w flange	GR3	000321
Pole Q140 INT. (buried) 4+1 m	AN3	000326
Pole Q140 INT. (buried) 4+1 m	GR3	000325
Pole Q140 INT. (buried) 5+1 m	AN3	000328
Pole Q140 INT. (buried) 5+1 m	GR3	000327
Pole Q140 INT. (buried) 6+1 m	AN3	000330
Pole Q140 INT. (buried) 6+1 m	GR3	000329
Flange plate fixing rod		008167
Fixing rod Ø 18 x 400		000768
Flange plate/1 F.T. post		000741
Groundplate cover	AN3	000332
Groundplate cover	GR3	000331

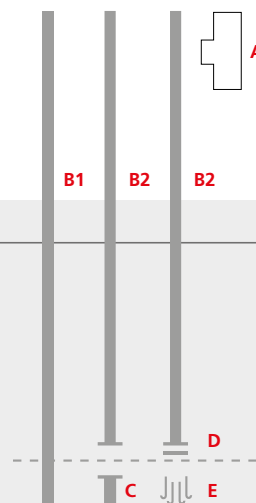
**COMPLETE UNIT**

1A+1B1 = please order 2 codes

1A+1B2+1C = please order 3 codes

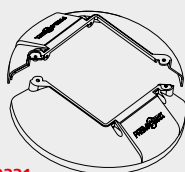
1A+1B2+1D+4E = please order 7 codes

COMPONENTS	CODES
A luminaire	> page 151-153
B1 post INT	
B2 post FT	
C flange plate fixing rod	
D flange plate	
E fixing rod	



GR3

AN3



000331
000332

DITTIK LUM 300

DITTIK LUM 300X230 B

	G12	1x70 W MT
	GX24q-5	1x57 W FSM

DITTIK LUM 300X230 M

	GX24q-5	1x57 W FSM
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DITTIK LUM 300X230 M/C

	G12	1x70 W MT
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Luminaire for exterior and interior use comprising:

- Painted extruded aluminium housing 300 mm width, with a variety of heights depending on the control gear and lamp options.
- Painted die cast aluminium trims and caps
- Painted die cast aluminium bracket for wall mounted applications, featuring ease of installation
- Tempered clear glass diffuser
- Polymer gasket
- Aluminium type 99,85 reflectors with controlled optics for G12 lamp type versions
- B versions, i.e. dual emission, are supplied with either one or two light sources and are designed to allow a dual sided light output both upwards and downwards
- M versions, i.e. single emission, are supplied with a single light source and are designed to allow a single sided light output either upwards or downwards
- Compact fluorescent or discharge lamp gear, with light output upwards and downwards
- Other optics are available on request



lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos ϕ ≥ 0,9	EEL	code	notes
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Dual emission



DITTIK LUM 300X230 B

Discharge - magnetic ballast 230 V 50 Hz

G12	1x70 W	MT	GR3	I	44	•	IK07 2J xx5	•	006784
G12	1x70 W	MT	AN3	I	44	•	IK07 2J xx5	•	006785

Single emission



DITTIK LUM 300X230 M

Fluorescent - electronic ballast 220/240 V 50/60 Hz

GX24q-5	1x57 W	FSM	GR3	I	44	•	IK07 2J xx5	•	A2	006788
GX24q-5	1x57 W	FSM	AN3	I	44	•	IK07 2J xx5	•	A2	006789

Single emission with controlled optics (C reflector)



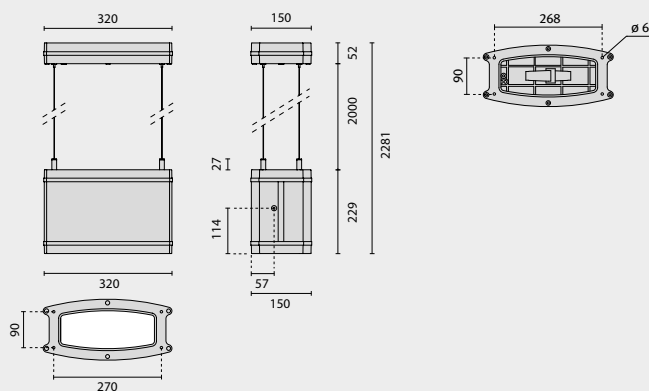
DITTIK LUM 300X230 M/C

Discharge - magnetic ballast 230 V 50 Hz

G12	1x70 W	MT	GR3	I	44	•	IK07 2J xx5	•	006786
G12	1x70 W	MT	AN3	I	44	•	IK07 2J xx5	•	006787

GR3

AN3

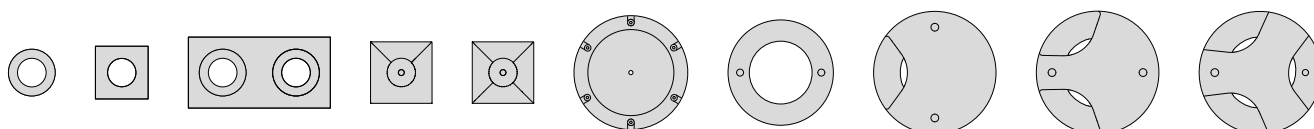






STEEL

Prisma Architectural Design



The STEEL series is designed for the diverse needs of in-ground luminaires.

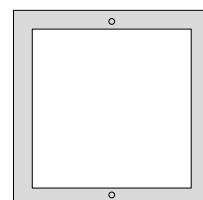
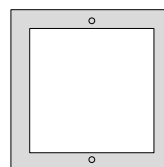
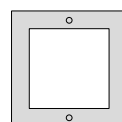
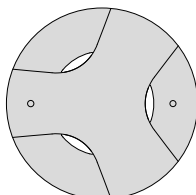
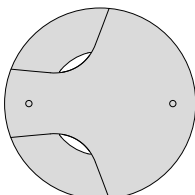
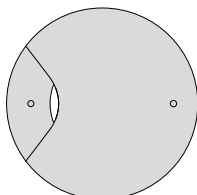
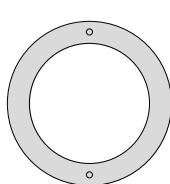
The precision-cast stainless steel screens are the element common to all the configurations which characterise and make the individual product applications unique.

A bright, elegant and stylish element in different shapes and sizes that enhances spaces, marks paths, illuminates architecture and exalts its details, creating the right light in every context.

STEEL luminaires are available in round and square shapes, from mini to maxi size with a range of power levels and optics that enhance the potential and flexibility of the product. Thanks to the availability of COMPACT reduced depth recessed fixing kit, the STEEL series can be used with maximum freedom, even in situations where it is not possible to create the classic drainage hole. The special conformation of the COMPACT recessed fixing kit allows connection to a corrugated pipe for water drainage.

A wide range of LED sources is available in all configurations. There are LEDs with warm and cool colour temperatures, with lenses to control the light beam and the whole LED plate or the individual bar in the SQUARE versions can be directed as required.

STEEL MOVI completes the range: the product retracts into the ground, only appearing when light is needed.





STEEL MINI luminaires are suitable for lighting gardens, perimeter walls and pedestrian pathways.

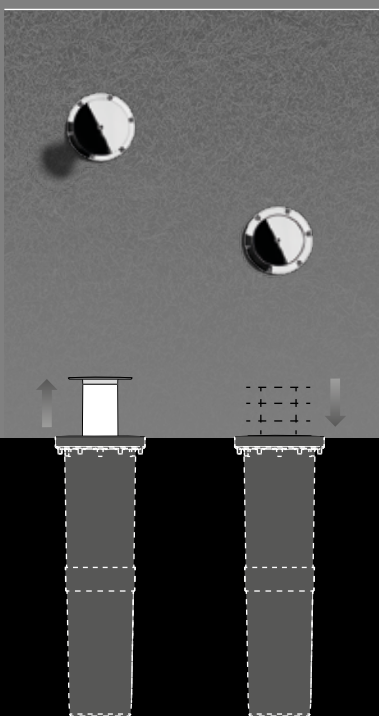
The MINI ROUND, MINI QUADRO and MINI DUPLEX offer LEDs with an emission angle of 6°, 45° and 120°. The MINI VISA versions have ground level emissions either in one or in two directions. The recessed fixing kit is 137 mm deep for all versions.

STEEL MINI



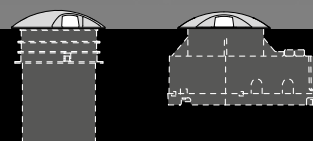
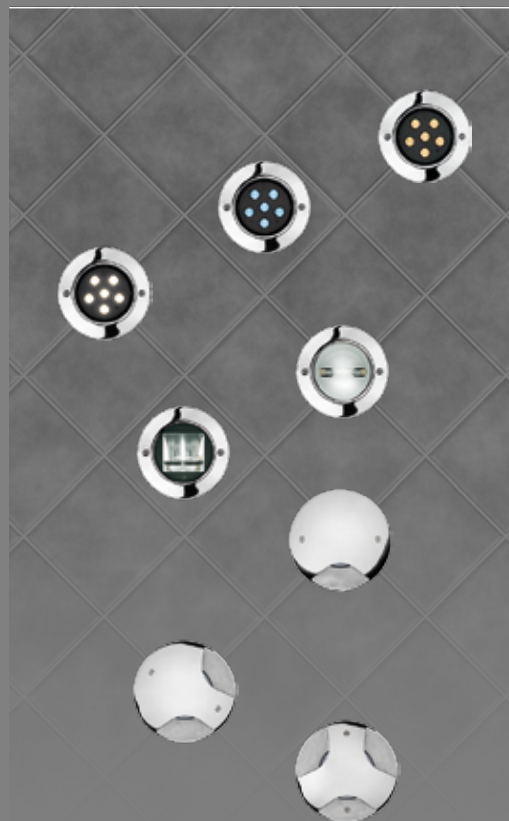
STEEL MOVI is a motorised, walk-over resistant in-ground luminaire, which only appears when its light goes on. When off, the luminaire disappears, allowing maximum freedom of use of spaces. STEEL MOVI is only available in a LED version and is particularly suitable for private gardens. The depth of the recessed fixing kit, which contains the motor for raising/lowering the luminaire, is 630 mm.

STEEL MOVI



STEEL ROUND luminaires are suitable for lighting gardens, architecture and pedestrian pathways. They are available with asymmetric, circular and wall washer optics and ground level emission with three options. STEEL ROUND uses fluorescent, discharge and LED light sources. The COMPACT versions, identical to the others as far as the appearance is concerned, are equipped with recessed fixing kit only 170 mm deep.

STEEL ROUND STEEL ROUND COMPACT





STEEL ROUND MAXI luminaires are suitable for lighting architecture and monuments. They are available with an intensive, medium and wide circular optic, an asymmetric optic and with ground level emission directed in three directions.

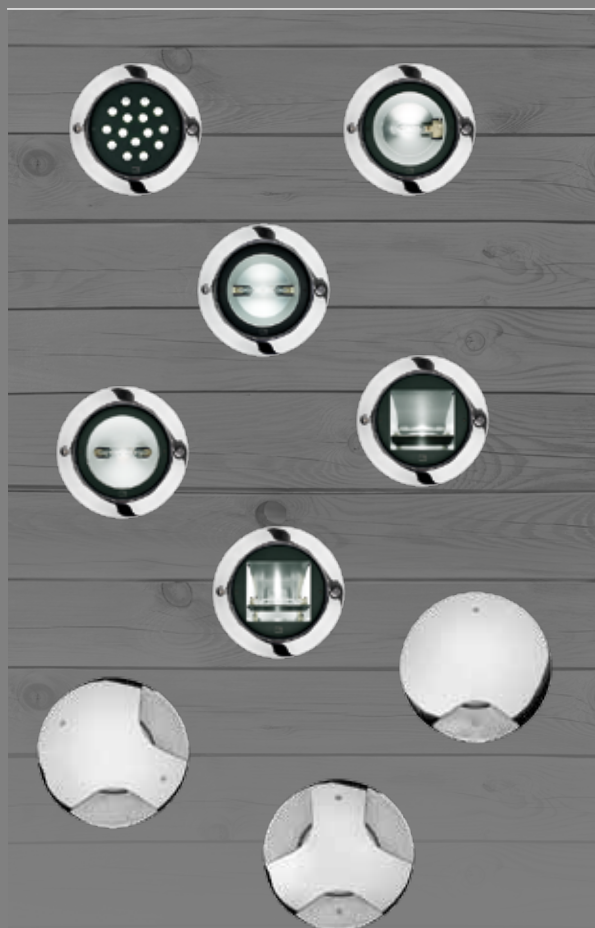
STEEL ROUND MAXI uses fluorescent, discharge and LED light sources. The COMPACT versions, identical to the others as far as the appearance is concerned, are equipped with recessed fixing kit only 165 mm deep.



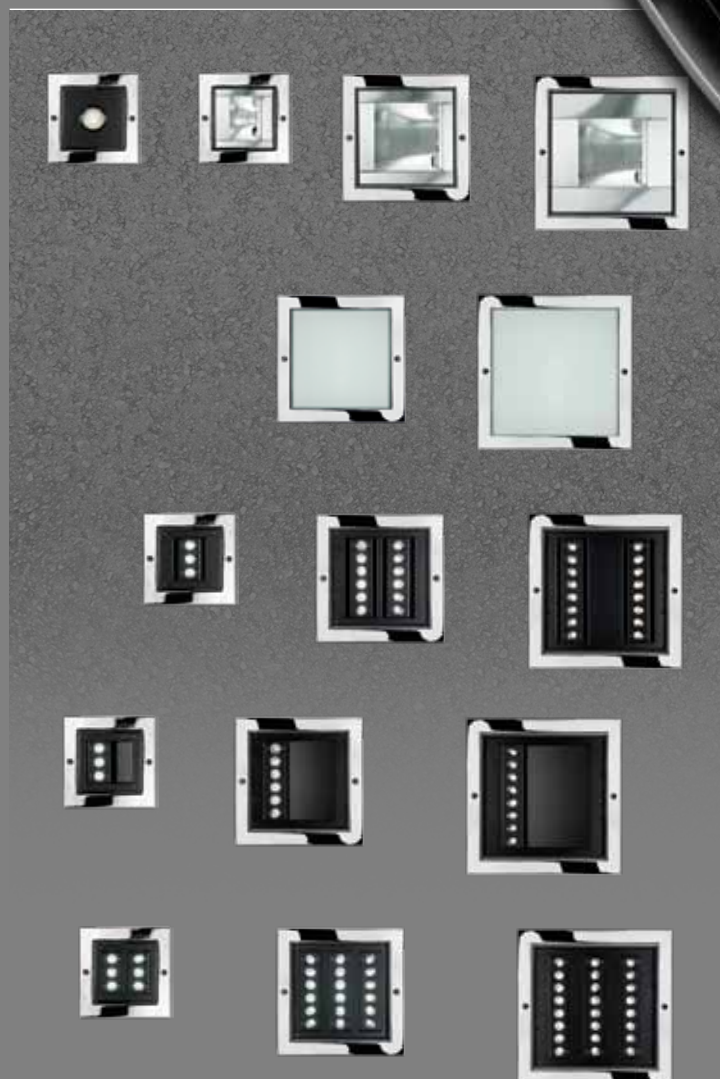
STEEL SQUARE luminaires are suitable for lighting architectural structures and monuments. They are available with asymmetric, circular and wall washer optics.

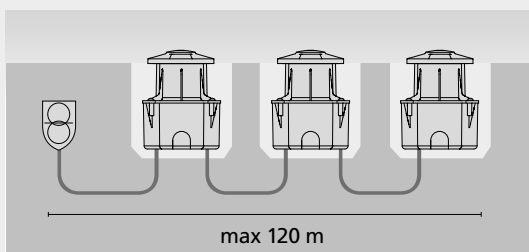
STEEL SQUARE uses fluorescent, discharge and LED light sources. The depth of the recessed fixing kit is 127 mm for all sizes.

STEEL ROUND MAXI STEEL ROUND MAXI COMPACT

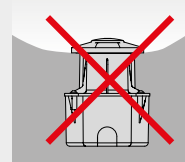


STEEL SQUARE





All STEEL luminaires are designed for individual or continuous power supply.



Never install the luminaire below grade.



The stainless steel that characterises the STEEL range is an inalterable material resistant to any climate. The range has been designed for all types of outdoor installation.

STEEL products are walk-over and drive-over resistant in accordance with EN 60598-2-13.





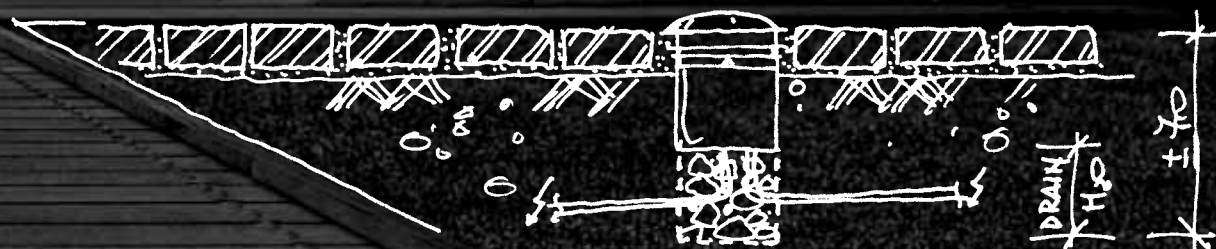
The recessed fixing kits of the COMPACT versions make it possible to install the luminaires even in situations with reduced installation depth, such as in concrete slabs above underground rooms. COMPACT luminaires are nevertheless identical to luminaires with a deeper recessed fixing kit, and thus make it possible to maintain maximum uniformity of style in the project.



STEEL COMPACT recessed fixing kits can also be installed even in the absence of draining terrain. Water drainage is ensured by the special shape of the recessed fixing kit (humpback), along with the use of a standard corrugated pipe.

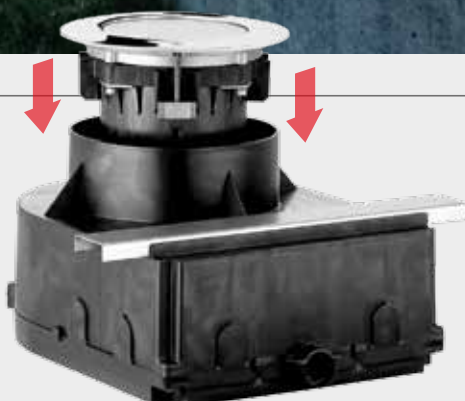
Quick!

The QUICK versions allow quick installation in both COMPACT luminaires and those with a deeper recessed fixing kit. They are supplied complete with lamp and junction box: the luminaire works with a simple electrical connection.

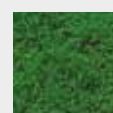


All STEEL luminaires are designed to prevent moisture and condensation being sucked back inside the luminaires in particular temperature conditions. This preserves the electrical components, with evident positive effects on the safety and reliability of the luminaires.



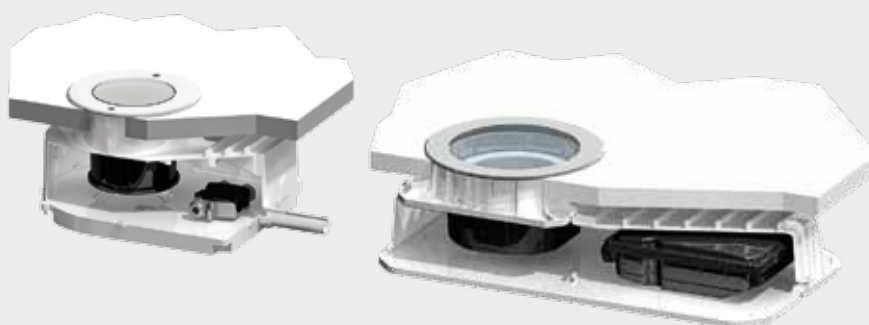


All the ROUND COMPACT AND ROUND MAXI COMPACT recessed fixing kits are supplied complete with shaped steel bars shaped to ensure that they are resistant to vehicle traffic. Drive-over guaranteed if installed in concrete only.



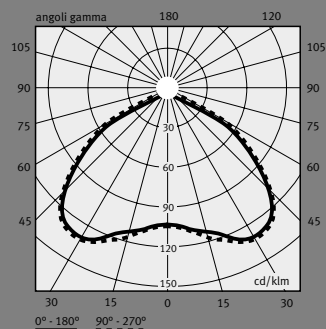


The STEEL ROUND COMPACT and MAXI COMPACT versions are particularly useful in situations where the standard, deeper recessed fixing kits cannot be used.

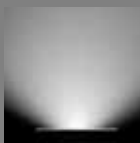
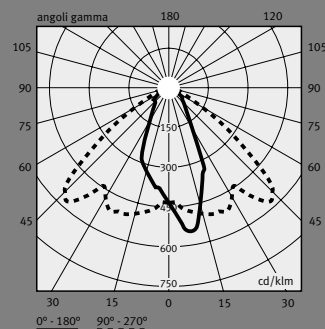


The STEEL ROUND COMPACT range has an aluminium body with wiring compartment separate from the lamp compartment to optimise the balance and thermal influence of the lamp.

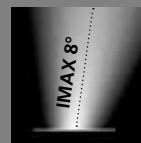
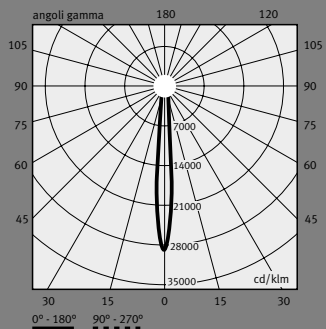
STEEL ROUND



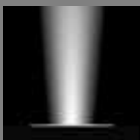
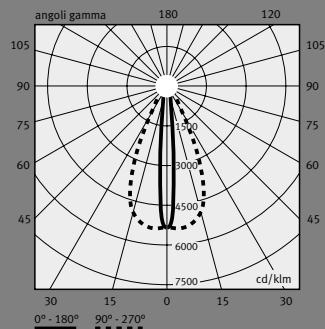
optic C/EW

STEEL ROUND/A
STEEL ROUND COMPACT/A

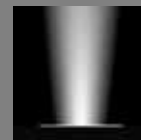
optic A8/EW

STEEL ROUND LED
STEEL ROUND COMPACT LED

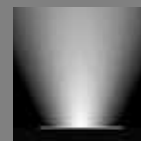
optic C/I

STEEL ROUND LED
STEEL ROUND COMPACT LED
STEEL ROUND MAXI LED
STEEL ROUND MAXI COMPACT LED

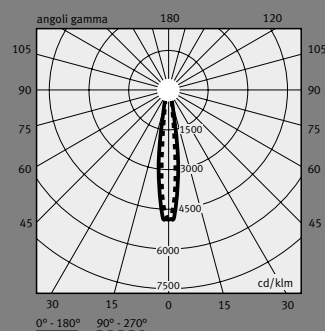
optic ELL 10°X45° LED



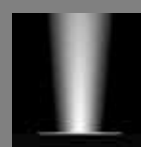
minor axis



major axis

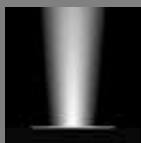
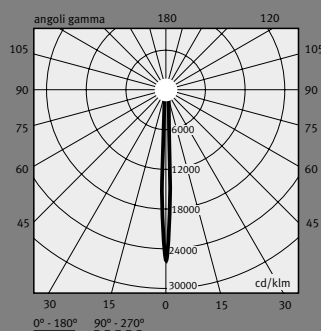
STEEL ROUND MAXI/I
STEEL ROUND MAXI COMPACT/I

optic C/I



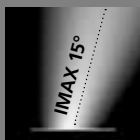
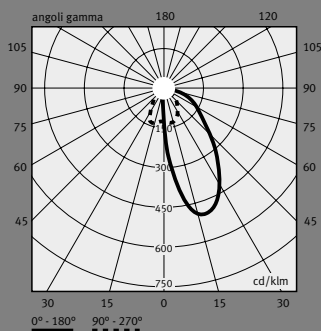
The wide range of STEEL luminaires offers a remarkable variety of light emissions that cover all the needs of in-ground lighting. The following pages show examples of all types of emission available in the STEEL range and the versions that allow it. For the identification and classification of the optics, see the introduction to the catalogue.

STEEL ROUND/C STEEL ROUND COMPACT/C



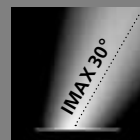
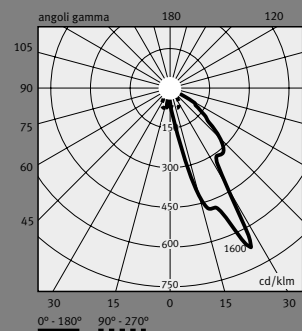
optic C/I

STEEL ROUND MAXI/A 15° STEEL ROUND MAXI COMPACT/A 15°



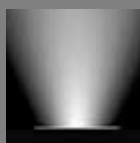
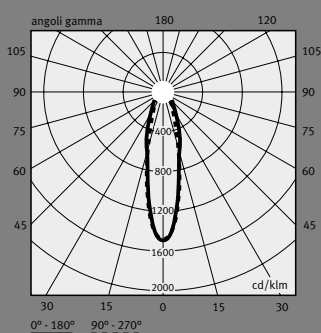
optic A15/W

STEEL ROUND MAXI/A 30° STEEL ROUND MAXI COMPACT/A 30°



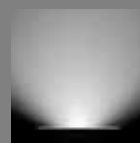
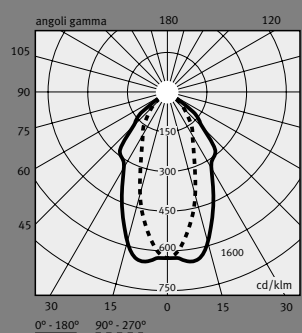
optic A30/M

STEEL ROUND MAXI/M STEEL ROUND MAXI COMPACT/M



optic C/M

STEEL ROUND MAXI/W STEEL ROUND MAXI COMPACT/W



optic C/EW

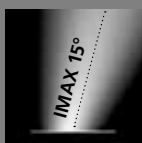
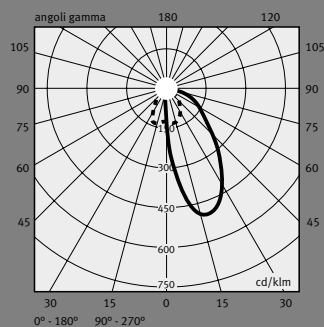
TYPE OF OPTIC

C = circular
S = symmetric
A = asymmetric
ELL = elliptical

OPENING OF THE BEAM

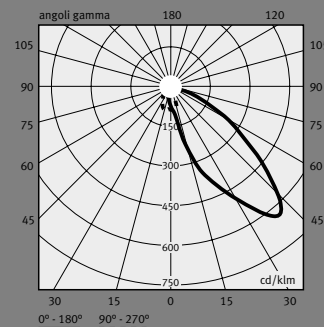
I = intensive ($0^\circ \leq 20^\circ$)
M = medium ($21^\circ \leq 45^\circ$)
W = wide ($46^\circ \leq 75^\circ$)
EW = extra wide ($> 75^\circ$)

STEEL SQUARE 20/A IMAX 15°
STEEL SQUARE 28/A IMAX 15°
STEEL SQUARE 34/A IMAX 15°



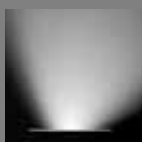
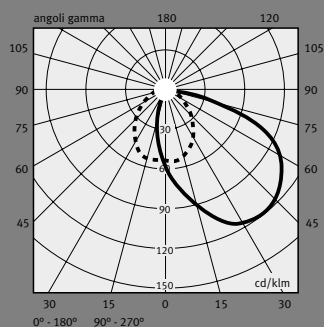
optic A15/W

STEEL SQUARE 28/A IMAX 45°
STEEL SQUARE 34/A IMAX 45°



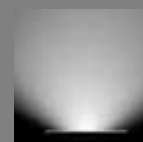
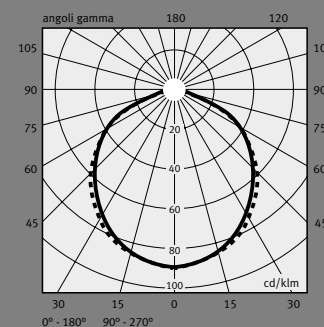
optic A45/W

STEEL SQUARE 28/A
STEEL SQUARE 34/A



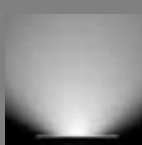
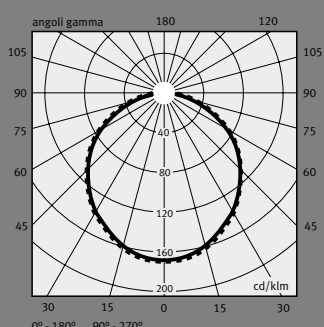
optic A/EW

STEEL SQUARE 28
STEEL SQUARE 34



optic S/EW

STEEL SQUARE 28
STEEL SQUARE 34



optic S/EW

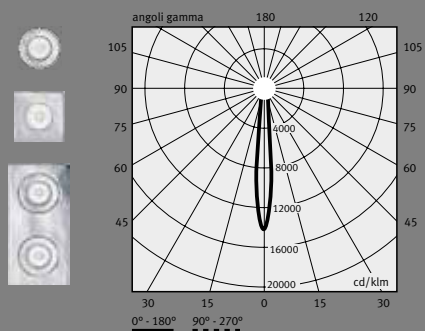
TYPE OF OPTIC

C = circular
S = symmetric
A = asymmetric
ELL = elliptical

OPENING OF THE BEAM

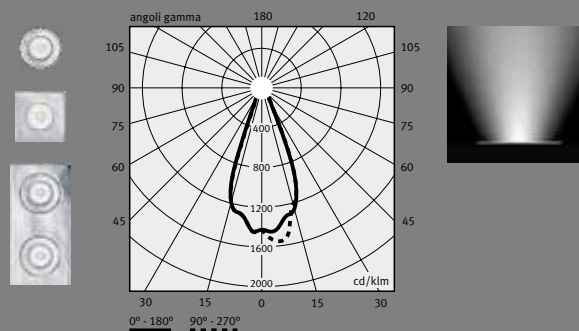
I = intensive ($0^\circ \leq 20^\circ$)
M = medium ($21^\circ \leq 45^\circ$)
W = wide ($46^\circ \leq 75^\circ$)
EW = extra wide ($> 75^\circ$)

STEEL MINI ROUND
STEEL MINI QUADRO
STEEL MINI DUPLEX



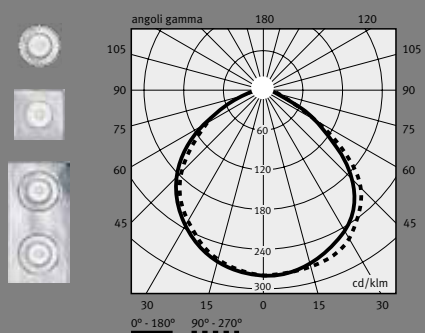
optic C/I

STEEL MINI ROUND
STEEL MINI QUADRO
STEEL MINI DUPLEX



optic C/M

STEEL MINI ROUND
STEEL MINI QUADRO
STEEL MINI DUPLEX

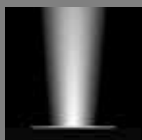


optic C/EW



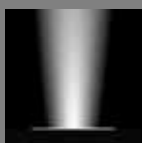
STEEL SQUARE 20
STEEL SQUARE 28
STEEL SQUARE 34

All STEEL SQUARE versions are available with LEDs. The width of the emission beam may be 8° or wall washer 10° x 45°.



concentrated LED 8°

minor axis



major axis

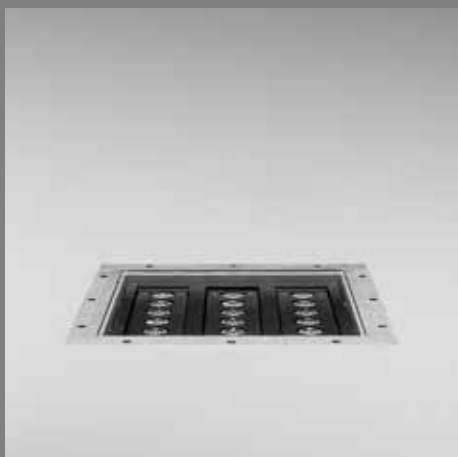


wall washer 10°x45° LED
(elliptical)



The STEEL SQUARE SIDE versions include one LED bar only, positioned on the side. This solution allows asymmetric emission, which can be modified at will as the direction of the bar can be adjusted.

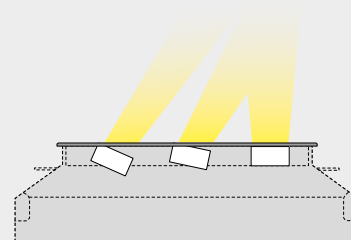
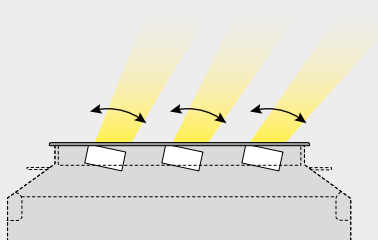
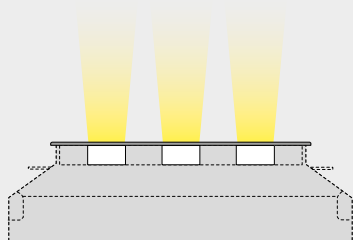
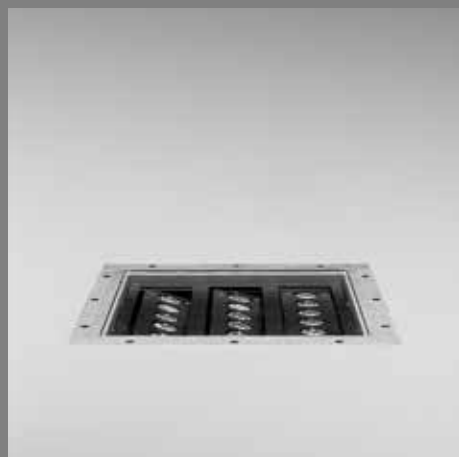
In all STEEL SQUARE versions, the LEDs are positioned on adjustable bars that enable the light to be directed, concentrating it in the chosen points. The bars must be directed before mounting the glass and the closing ring.

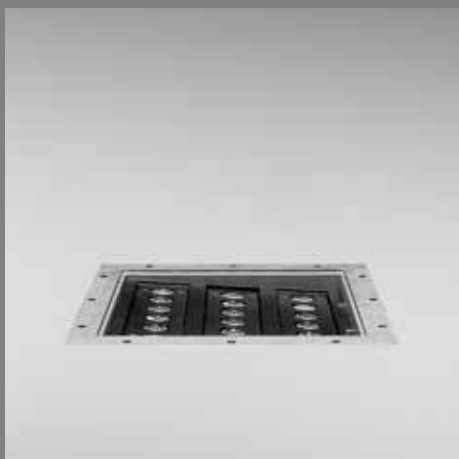


By keeping the bars parallel to the ground, the emission will be upwards.

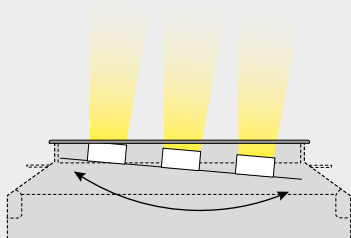


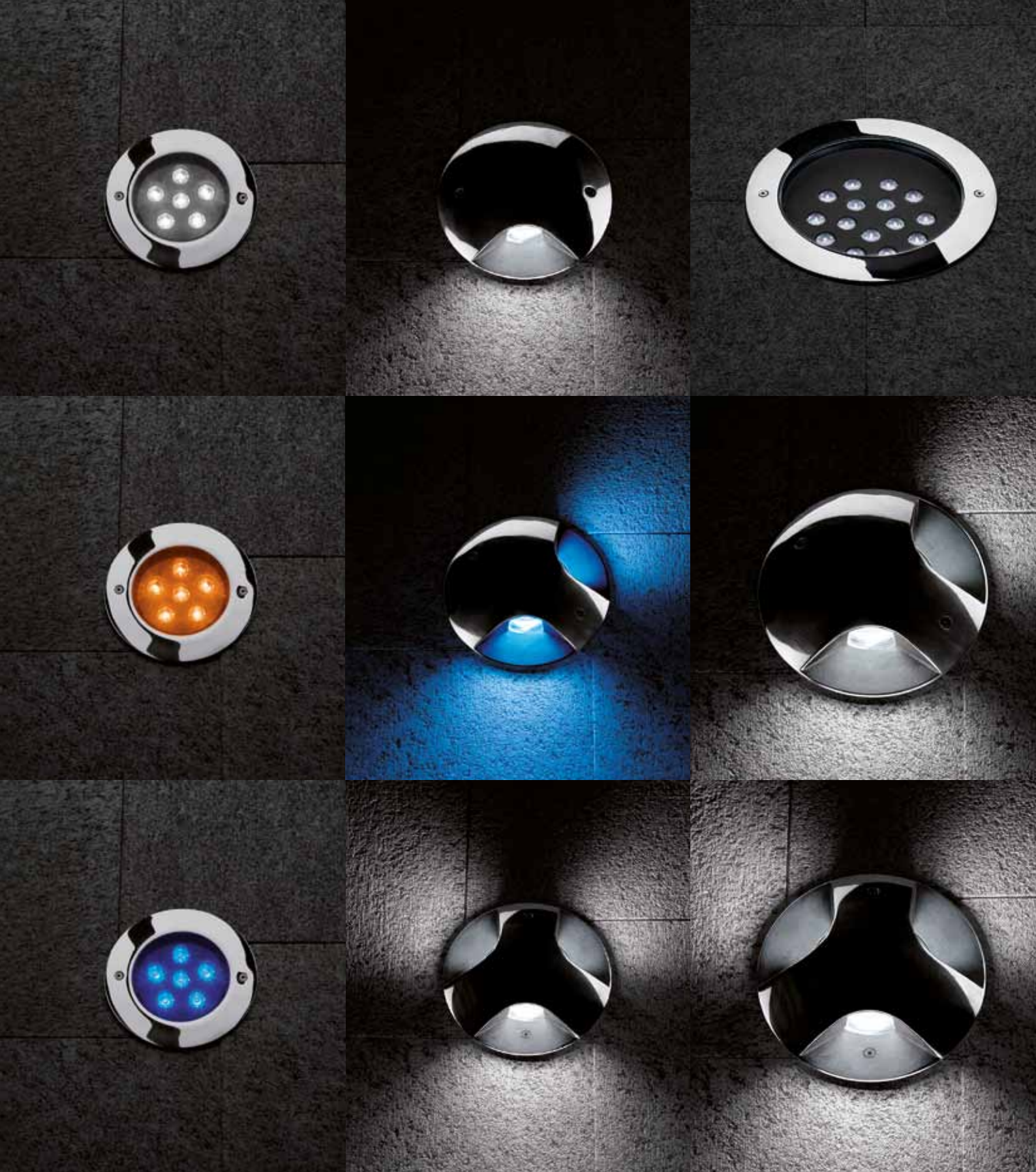
Each individual bar can be directed independently from the others, to concentrate the light emission as required.





Even the plate on which the bars are mounted
can be adjusted by 10°.





○ ● ●

STEEL ROUND LED
warm white (3000 K)
cool white (6000 K)
blue
amber

○ ●

STEEL ROUND LED 90° - 180° - 360°
warm white (3000 K)
cool white (6000 K)
blue

○

STEEL ROUND MAXI LED
STEEL ROUND MAXI LED 90° - 180° - 360°
warm white (3000 K)
cool white (6000 K)



In the STEEL range, the STEEL ROUND versions are available with blue and amber LEDs, but all the luminaires in the series are available in a LED version with different shades of white light. Unlike conventional light sources, with LEDs, you can choose the shade of white light that best suits the various environments of use.

COOL WHITE SHADE

(cool white: > 5000 K)

This is particularly suitable for outdoor applications, for high flux and high brilliance.

WARM WHITE SHADE

(warm white: < 3300 K)

This is a comfortable warm light which, by mimicking the emission of the incandescence, adapts to indoor environments.

NEUTRAL WHITE SHADE

(neutral white: 3300/5000 K)

This is the right balance between brightness, tone and colour rendering, often required when adding to or combining with existing light sources.

LED light is nevertheless always free of ultraviolet or infrared emissions: this ensures high colour rendering and does not cause colour change in the illuminated element.



STEEL SQUARE LED
warm white (3000 K)
cool white (6000 K)



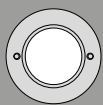
STEEL MINI
neutral white (4000 K)
cool white (6000 K)
(RGB power versions can be made on request)



STEEL MOVIE
neutral white (4000 K)



STEEL ROUND LED
STEEL ROUND
pag. 178 - pag. 180



100 mm

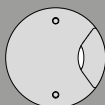
200 mm

300 mm

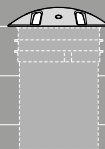
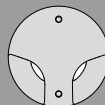
400 mm



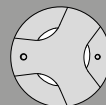
STEEL ROUND LED 90°
STEEL ROUND 90°
pag. 182 - pag. 184



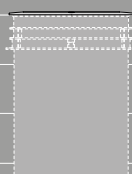
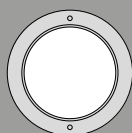
STEEL ROUND LED 180°
STEEL ROUND 180°
pag. 182 - pag. 184



STEEL ROUND LED 360°
STEEL ROUND 360°
pag. 182 - pag. 184



STEEL ROUND MAXI LED
STEEL ROUND MAXI
pag. 198 - pag. 200



100 mm

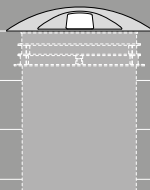
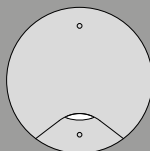
200 mm

300 mm

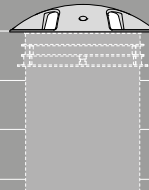
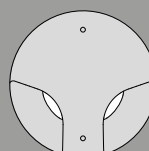
400 mm



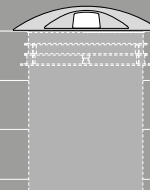
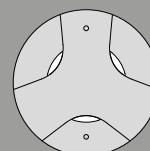
STEEL ROUND MAXI LED 90°
STEEL ROUND MAXI 90°
pag. 202 - pag. 204



STEEL ROUND MAXI LED 180°
STEEL ROUND MAXI 180°
pag. 202 - pag. 204



STEEL ROUND MAXI LED 360°
STEEL ROUND MAXI 360°
pag. 202 - pag. 204



STEEL MINI ROUND
pag. 242



100 mm

200 mm

300 mm

400 mm



STEEL MINI QUADRO
pag. 236



STEEL MINI DUPLEX
pag. 239



STEEL MINI VISA 90°
pag. 240



STEEL MINI VISA 180°
pag. 241

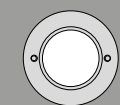


The following pages show the codes of all the versions and accessories in the STEEL series. This summary provides a visual overview of all the versions and the page number where the relative codes are found.

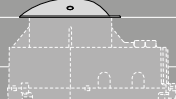
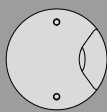
For suggestions and design support, please contact factory.



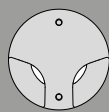
STEEL ROUND COMPACT LED
STEEL ROUND COMPACT
pag. 186 - pag. 188



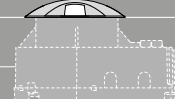
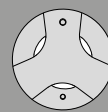
STEEL ROUND COMPACT LED 90°
STEEL ROUND COMPACT 90°
pag. 190 - pag. 192



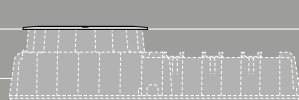
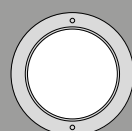
STEEL ROUND COMPACT LED 180°
STEEL ROUND COMPACT 180°
pag. 190 - pag. 192



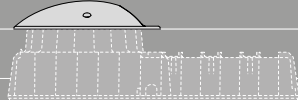
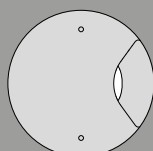
STEEL ROUND COMPACT LED 360°
STEEL ROUND COMPACT 360°
pag. 190 - pag. 192



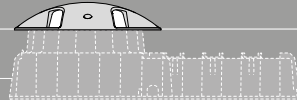
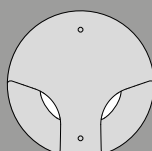
STEEL ROUND MAXI COMPACT LED
STEEL ROUND MAXI COMPACT
pag. 206 - pag. 210



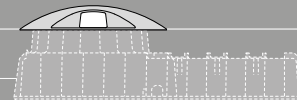
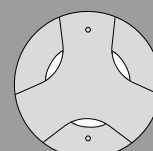
STEEL ROUND MAXI COMPACT LED 90°
STEEL ROUND MAXI COMPACT 90°
pag. 210 - pag. 212



STEEL ROUND MAXI COMPACT LED 180°
STEEL ROUND MAXI COMPACT 180°
pag. 210 - pag. 212



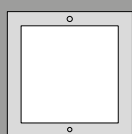
STEEL ROUND MAXI COMPACT LED 360°
STEEL ROUND MAXI COMPACT 360°
pag. 210 - pag. 212



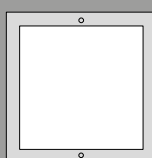
STEEL SQUARE 20 LED
STEEL SQUARE 20
pag. 218 - pag. 222



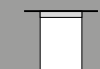
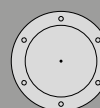
STEEL SQUARE 28 LED
STEEL SQUARE 28
pag. 224 - pag. 226



STEEL SQUARE 34 LED
STEEL SQUARE 34
pag. 228 - pag. 230



STEEL MOVI
pag. 246



▼ 630 mm



Luminaires resistant
to drive-over



WATER STOP
connection



Luminaires resistant
to walk-over



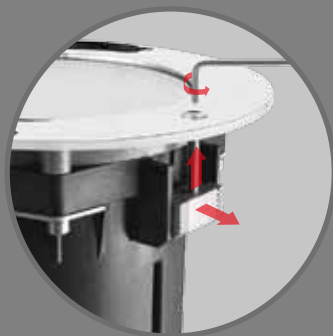
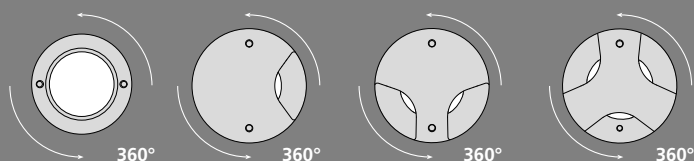
WATER DRAIN
system

STEEL ROUND



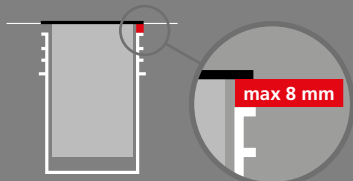
> Depth of recessed fixing kit 252 mm

- > LED
- > Halogen
- > Discharge
- > Fluorescent



> All the luminaire bodies are equipped with an **EASY-ADJUST** device that enables the luminaires to be rotated freely even after installation, regardless of the position of the pit.

> The luminaire can be positioned perfectly flush with the ground thanks to adjustment of the distance between the body and the recessed fixing kit.



STEEL ROUND LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND LED I 8°

STEEL ROUND LED ELL 10°x45°

	6 LED 470 nm - 6,6 W
	6 LED 590 nm - 6,6 W
	6 LED - 6,6 W

Class II in-ground luminaire series,
comprising:

- Housing and recessed fixing kit in flame-retardant techno-polymer
- Precision-cast stainless steel trim
- tempered sodium-calcic glass.
- Stainless steel locking screws
- Watertight wiring connection system WATER STOP
- The models STEEL ROUND I 8° come with intensive lens with an 8° cone opening
- The models STEEL ROUND ELL have elliptical lenses with ellipsoidal emission. Beam opening: 10°x45°
- The luminaire requires recessed fixing kit which must be ordered separately

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND		355428

SS1+WHL	SS1+BLL	SS1+AML

	COMPLETE UNIT
	1A+1B = please order 2 codes
	COMPONENTS
A	gear body
B	recessed fixing kit



warm light - 3000 K



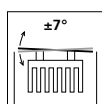
cool light - 6000 K



470 nm 6,6 W - blue



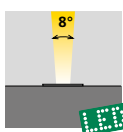
590 nm 6,6 W - amber



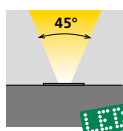
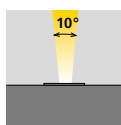
lampholder	W	ILCOS	colour	class	IP	Kelvin	IK	Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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STEEL ROUND LED I 8°**Power LED 220/240 V 50/60 Hz**

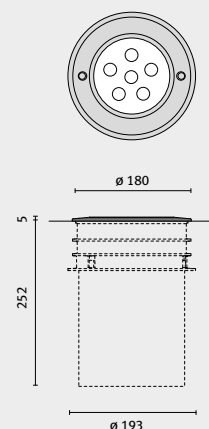
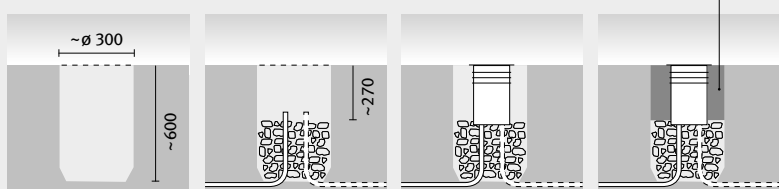
n. 6 LED - 6,6 W	SS1+WHL	II	67	• 6000	IK09 15J xx7	40	A1 A2 A3 A4 A5	300872
n. 6 LED - 6,6 W	SS1+WHL	II	67	• 3000	IK09 15J xx7	40	A1 A2 A3 A4 A5	300873
n. 6 LED - 470 nm 6,6 W	SS1+BLL	II	67	•	IK09 15J xx7	30	A1 A2 A3 A4 A5	300874
n. 6 LED - 590 nm 6,6 W	SS1+AML	II	67	•	IK09 15J xx7	30	A1 A2 A3 A4 A5	300875

**STEEL ROUND LED ELL 10°X45°****Power LED 220/240 V 50/60 Hz**

n. 6 LED - 6,6 W	SS1+WHL	II	67	• 6000	IK09 15J xx7	40	A1 A2 A3 A4 A5	3012955
n. 6 LED - 6,6 W	SS1+WHL	II	67	• 3000	IK09 15J xx7	40	A1 A2 A3 A4 A5	3012965
n. 6 LED - 470 nm 6,6 W	SS1+BLL	II	67	•	IK09 15J xx7	30	A1 A2 A3 A4 A5	3012975
n. 6 LED - 590 nm 6,6 W	SS1+AML	II	67	•	IK09 15J xx7	30	A1 A2 A3 A4 A5	3012985



If information about Kelvin degrees is provided, this means that the lamp is included.



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch

STEEL ROUND

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND

	BA15d	1x50 W HMGS
	E27	max 1x50 W PAR 20
	GX10	1x20 W CMH-MR16
	GU5,3	1x50 W HRG
	GZ10	1x50 W HRG

STEEL ROUND/C

	E27	max 1x14 W FBT
	G8,5	1x20 W MT
	G24q-1	1x10 W FSQ
	GU6,5	1x20 W MT

STEEL ROUND/A

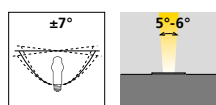
	G8,5	1x20 W MT
	GU6,5	1x20 W MT

Series of class II inground luminaires, comprising:

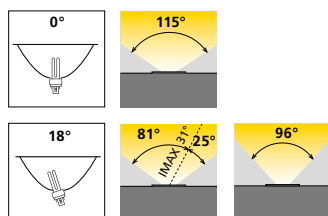
- Housing and recessed fixing kit in self-extinguishing technopolymer
- Precision-cast stainless steel cover
- Tempered sodium-calcic glass
- STEEL ROUND/C models come with Circular reflectors, STEEL ROUND/A models come with asymmetrical reflectors, both in pure aluminium 99.85

- STEEL ROUND models are developed for use with lamps that have an incorporated reflector
- Stainless steel screws
- Watertight wiring connection system WATER STOP
- The luminaire requires recessed fixing kit which must be ordered separately

STEEL ROUND/C discharge



fluorescent



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND

Halogen

E27	max 1x50 W	PAR 20	SS1	II	67	•	IK09 15J xx7	175	A1		300830	
GU5,3	1x50 W	HRG	SS1	II	67	•	IK09 15J xx7	175	A1		3008275	
GZ10	1x50 W	HRG	SS1	II	67	•	IK09 15J xx7	175	A1		300829	
BA15d	1x50 W	HMGS	SS1	II	67	•	IK09 15J xx7	175	A1		3008285	

Discharge - electronic ballast 220/240 V 50/60 Hz

GX10	1x20 W	CMH-MR16	SS1	II	67	•	IK09 15J xx7	80	A1	A2	A3	A4	3008315
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STEEL ROUND/C

E27	max 1x14 W	FBT	SS1	II	67	•	IK09 15J xx7	50	A1	A2	A3	A4	300824
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Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x20 W	MT	SS1	II	67	•	IK09 15J xx7	80	A1	A2	A3	A4	3008225
GU6,5	1x20 W	MT	SS1	II	67	•	IK09 15J xx7	80	A1	A2	A3	A4	3012905

Fluorescent - electronic ballast 220/240 V 50/60 Hz

G24q-1	1x10 W	FSQ	SS1	II	67	•	IK09 15J xx7	A2÷A3	52	A1	A2	A3	A4	3008235
--------	--------	-----	-----	----	----	---	--------------	-------	----	----	----	----	----	---------

SS1



COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
- B recessed fixing kit



WATER STOP



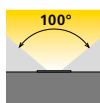
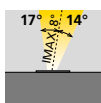
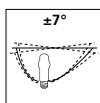
Δ 2000 kg
< 10 km/h



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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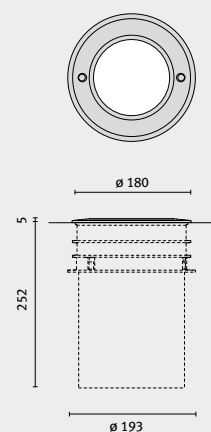
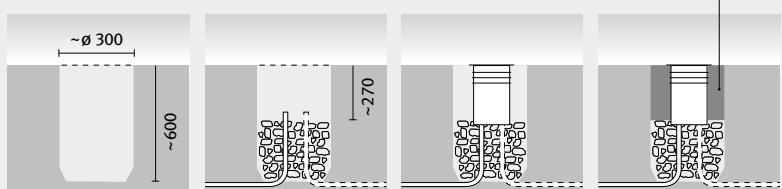
STEEL ROUND/A**Discharge - electronic ballast 220/240 V 50/60 Hz**

G8,5	1x20 W	MT	SS1	II	67	•	IK09 15J xx7	•	78	A1 A2 A3 A4	3008265	
GU6,5	1x20 W	MT	SS1	II	67	•	IK09 15J xx7	•	78	A1 A2 A3 A4	3012915	



description	colour	code
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Recessed fixing kit STEEL ROUND		355428
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A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL ROUND LED 90° STEEL ROUND LED 180° STEEL ROUND LED 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND LED 90°

	1 LED 470 nm - 2,2 W
	1 LED - 2,2w

STEEL ROUND LED 180°

	2 LED - 470 nm 4,4 W
	2 LED - 4,4 W

STEEL ROUND LED 360°

	3 LED - 470 nm 6,6 W
	3 LED - 6,6 W

Class II in-ground luminaire series, comprising:

- Housing and recessed fixing kit in flameretardant techno-polymer
- Precision-cast stainless steel covers
- Tempered sodium-calcic glass
- The models STEEL ROUND 90°-180°-360° are composed of covers with one, two or three radial beams for use as step/path lighting. The numbers 90°-180°-360° indicate the openings on the screen for light emission
- Stainless steel locking screws
- Watertight wiring connection system
- The luminaire requires recessed fixing kit which must be ordered separately



Quick!

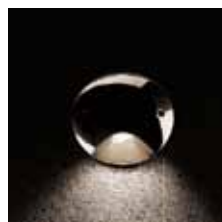


Δ 3500 kg
< 10 km/h

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND		355428



warm light - 3000 K

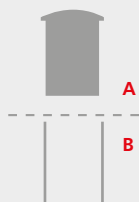


cool light - 6000 K



470 nm 2,2 W - blue

○○○	●●●
SS1+WHL	SS1+BLL

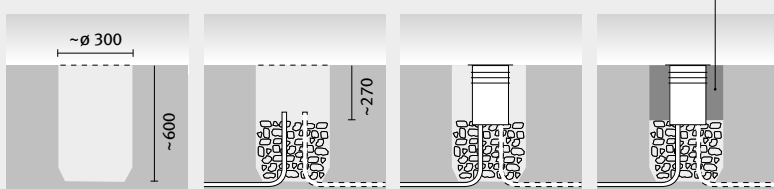


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
- B recessed fixing kit





lampholder W ILCOS colour class IP Kelvin $\cos \varphi \geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL ROUND LED 90°

Power LED 220/240 V 50/60 Hz

n. 1 LED - 2,2 W	SS1+WHL	II	67	• 3000	IK09 16J xx7	39	A1 A3	3013355
n. 1 LED - 2,2 W	SS1+WHL	II	67	• 6000	IK09 16J xx7	39	A1 A3	3012995
n. 1 LED - 470 nm 2,2 W	SS1+BLL	II	67	•	IK09 16J xx7	39	A1 A3	3013005

STEEL ROUND LED 180°

Power LED 220/240 V 50/60 Hz

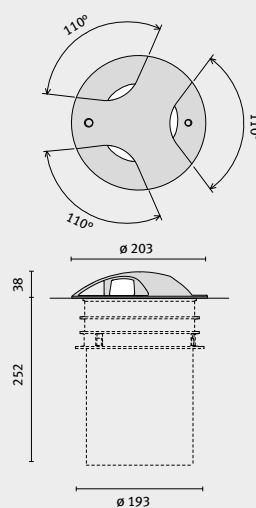
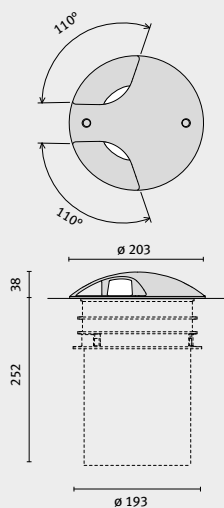
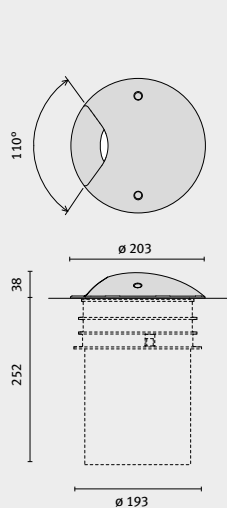
n. 2 LED - 4,4 W	SS1+WHL	II	67	• 3000	IK09 16J xx7	39	A1 A3	3013365
n. 2 LED - 4,4 W	SS1+WHL	II	67	• 6000	IK09 16J xx7	39	A1 A3	3013015
n. 2 LED - 470 nm 4,4 W	SS1+BLL	II	67	•	IK09 16J xx7	39	A1 A3	3013025

STEEL ROUND LED 360°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 6,6 W	SS1+WHL	II	67	• 3000	IK09 16J xx7	39	A1 A3	3013375
n. 3 LED - 6,6 W	SS1+WHL	II	67	• 6000	IK09 16J xx7	39	A1 A3	3013035
n. 3 LED - 470 nm 6,6 W	SS1+BLL	II	67	•	IK09 16J xx7	39	A1 A3	3013045

If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND 90° STEEL ROUND 180° STEEL ROUND 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND 90°

STEEL ROUND 180°

STEEL ROUND 360°

	G8,5	1x20 W MT
	GU6,5	1x20 W MT

Series of class II in-ground luminaires.

- Housing and recessed fixing kit in self-extinguishing technopolymer.
- Precision-cast stainless steel cover
- Tempered sodium-calcic glass.
- The models Steel Round 90°-180°-360° are made up of radial emission covers to use as step/path lighting. The numbers 90°-180°-360° indicate the openings on the screen for light emission.
- Stainless steel screws
- Watertight wiring connection system WATER STOP
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 3500 kg
< 10 km/h

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND		355428

SS1

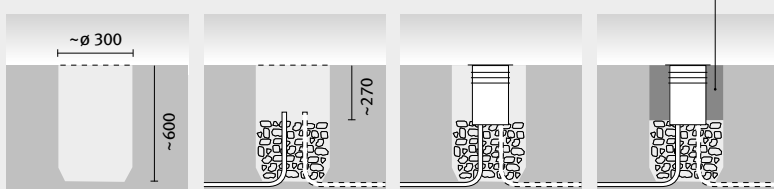


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
- B** recessed fixing kit



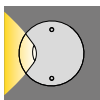


lampholder W ILCOS colour class IP Kelvin $\geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL ROUND 90°

Discharge - electronic ballast 220/240 V 50/60 Hz

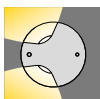
G8,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	58	A1	A3	300832
GU6,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	45	A1	A3	3012925



STEEL ROUND 180°

Discharge - electronic ballast 220/240 V 50/60 Hz

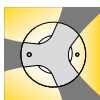
G8,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	58	A1	A3	300833
GU6,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	45	A1	A3	3012935



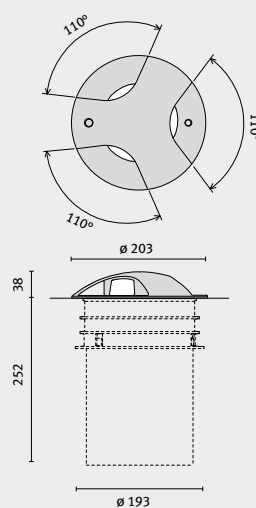
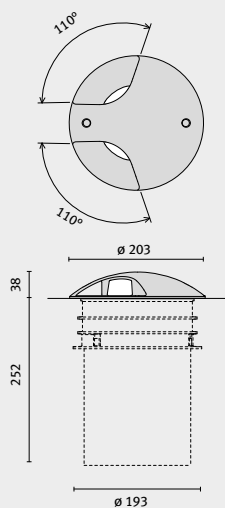
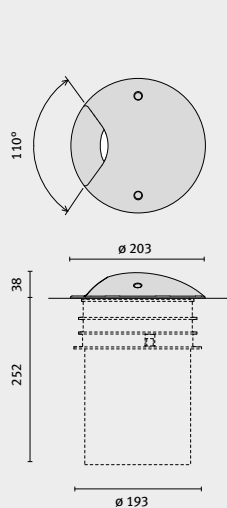
STEEL ROUND 360°

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	58	A1	A3	300834
GU6,5	1x20 W	MT	SS1	II	67	• 3000	IK09 16J xx7	•	45	A1	A3	3012945



If information about Kelvin degrees is provided, this means that the lamp is included.



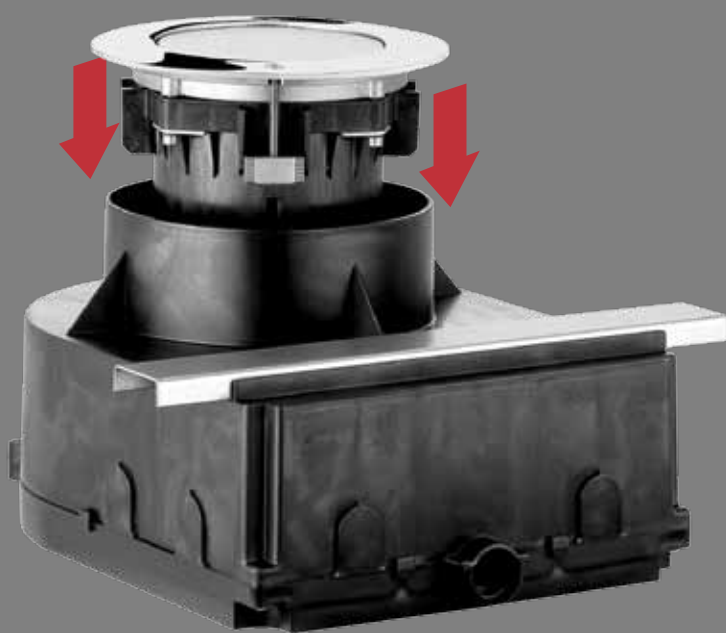
A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND COMPACT



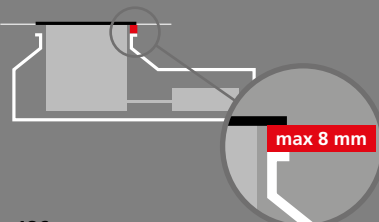
> Depth of recessed fixing kit 170 mm

- > LED
- > Halogen
- > Discharge



> All the luminaire bodies are equipped with an **EASY-ADJUST** device that enables the luminaires to be rotated freely even after installation, regardless of the position of the pit.

> The luminaire can be positioned perfectly flush with the ground thanks to adjustment of the distance between the body and the recessed fixing kit.



max 8 mm



STEEL ROUND COMPACT LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND COMPACT LED I 8°
STEEL ROUND COMPACT LED ELL 10°x45°



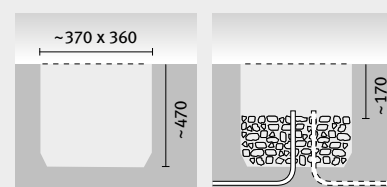
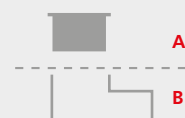
6 LED - 6,6 W

- Range of class I reduced depth in-ground LED luminaires, consisting of:
- Black painted anodised die-cast aluminium body
 - Optic compartment separate from the power compartment for better heat control
 - Precision-cast stainless steel ring
 - Flat toughened glass diffuser
 - Black painted aluminium LED holder plate which can be directed by +/- 7°
 - The STEEL ROUND COMPACT LED/I versions are characterised by intensive beam lenses with 8° opening
 - The STEEL ROUND COMPACT LED E versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
 - EPDM gaskets
 - Stainless steel fastening screws
 - WATER STOP connection system to the watertight network
 - Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system
 - The luminaire requires recessed fixing kit which must be ordered separately

description	colour	code
Recessed fixing kit STEEL ROUND COMPACT		310331

SS1+WHL

COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	gear body
B	recessed fixing kit





warm light - 3000 K



cool light - 6000 K

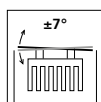


Δ 2000 kg
< 10 km/h

Quick!

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

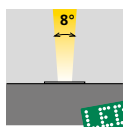


lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND COMPACT LED I 8°

Power LED 220/240 V 50/60 Hz

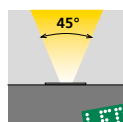
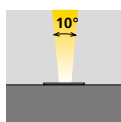
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK09 15J xx7	36	A1	A2	A3	A4	A5	3024865
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK09 15J xx7	36	A1	A2	A3	A4	A5	3025295



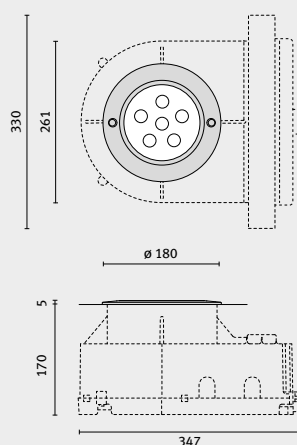
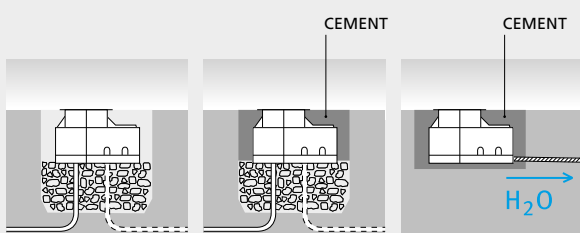
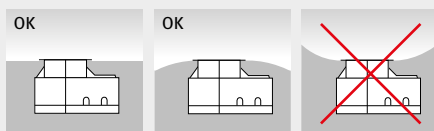
STEEL ROUND COMPACT LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK09 15J xx7	36	A1	A2	A3	A4	A5	3025325
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK09 15J xx7	36	A1	A2	A3	A4	A5	3025335



If information about Kelvin degrees is provided, this means that the lamp is included.



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch

STEEL ROUND COMPACT

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND COMPACT

	GU10	1x50 W HRG
	GU5,3	1x20 W HRG

STEEL ROUND COMPACT/C

	GU6,5	1x20 W MT
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STEEL ROUND COMPACT/A

	GU6,5	1x20 W MT
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Range of class I reduced depth in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel ring
- Flat toughened glass diffuser
- The STEEL ROUND COMPACT/C versions have a circular reflector. The STEEL ROUND COMPACT/A versions have an extra pure (99.85%) anodised aluminium asymmetric reflector. Both are adjustable by $\pm 7^\circ$.
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system
- The luminaire requires recessed fixing kit which must be ordered separately



 $\Delta 2000 \text{ kg}$
 $< 10 \text{ km/h}$



WATER STOP

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\text{Cos } \varphi \geq 0,9$	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND COMPACT

Halogen

GU5,3	1x20 W	HRG	SS1	I	67	•	IK09 15J xx7	94	A1 A2 A3		3024855
GU10	1x50 W	HRG	SS1	I	67	•	IK09 15J xx7	100	A1 A2		302483

STEEL ROUND COMPACT/C

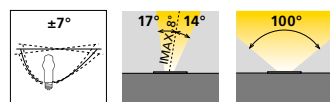
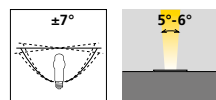
Discharge - electronic ballast 220/240 V 50/60 Hz

GU6,5	1x20 W	MT	SS1	I	67	•	IK09 15J xx7	80	A1 A2 A3 A4		3024795
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STEEL ROUND COMPACT/A

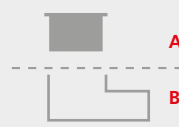
Discharge - electronic ballast 220/240 V 50/60 Hz

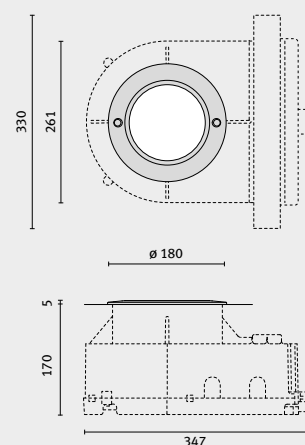
GU6,5	1x20 W	MT	SS1	I	67	•	IK09 15J xx7	80	A1 A2 A3 A4		3024805
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description	colour	code
Recessed fixing kit STEEL ROUND COMPACT		310331

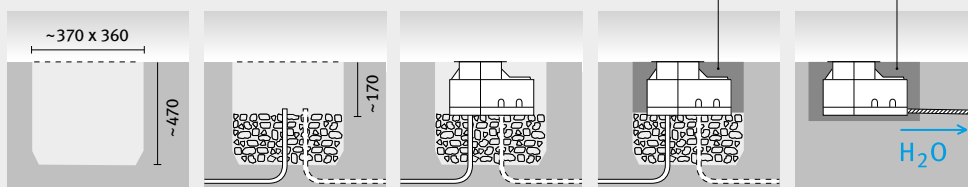
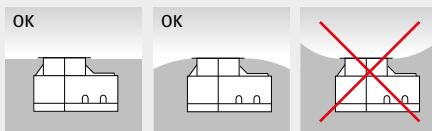
SS1

	COMPLETE UNIT
A	1A+1B = please order 2 codes
B	COMPONENTS
A	gear body
B	recessed fixing kit





- A1 No Touch Area
- A2 Area subject to foot traffic
- A3 Area subject to vehicle traffic
- A4 Area subject to vehicle traffic Plus
- A5 Area subject to foot traffic Touch





STEEL ROUND COMPACT LED 90° STEEL ROUND COMPACT LED 180° STEEL ROUND COMPACT LED 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND COMPACT LED 90°



1 LED - 2,2 W

STEEL ROUND COMPACT LED 180°



2 LED - 4,4 W

STEEL ROUND COMPACT LED 360°



3 LED - 6,6 W

Range of class I reduced depth in-ground LED luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel screen
- Pressed toughened glass diffuser
- The STEEL ROUND COMPACT LED 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 3500 kg
< 10 km/h



warm light - 3000 K

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

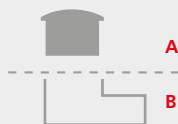


cool light - 6000 K

description	colour	code
Recessed fixing kit STEEL ROUND COMPACT		310331

○○○

SS1+WHL

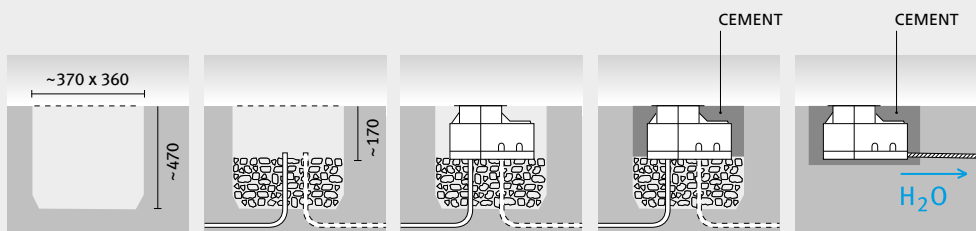
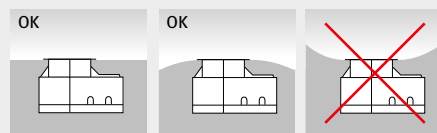


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
- B recessed fixing kit





lampholder W ILCOS colour class IP Kelvin $\geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL ROUND COMPACT LED 90°

Power LED 220/240 V 50/60 Hz

n. 1 LED - 2,2 W	SS1+WHL	I	67	• 3000	IK09 16J xx7	40	A1	A3	3025235
n. 1 LED - 2,2 W	SS1+WHL	I	67	• 6000	IK09 16J xx7	40	A1	A3	3024765

STEEL ROUND COMPACT LED 180°

Power LED 220/240 V 50/60 Hz

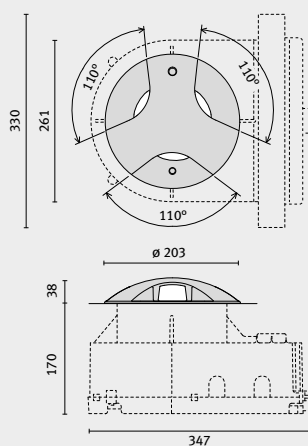
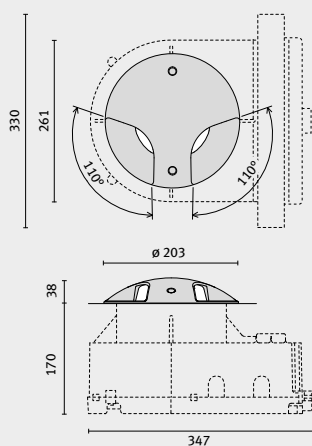
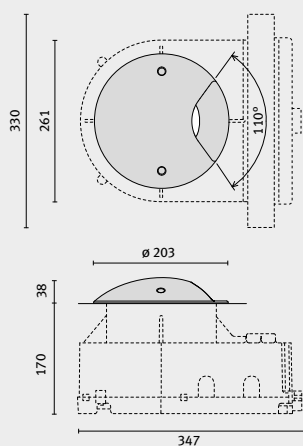
n. 2 LED - 4,4 W	SS1+WHL	I	67	• 3000	IK09 16J xx7	48	A1	A3	3025245
n. 2 LED - 4,4 W	SS1+WHL	I	67	• 6000	IK09 16J xx7	48	A1	A3	3024775

STEEL ROUND COMPACT LED 360°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK09 16J xx7	47	A1	A3	3025255
n. 3 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK09 16J xx7	47	A1	A3	3024785

If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND COMPACT 90° STEEL ROUND COMPACT 180° STEEL ROUND COMPACT 360°

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND COMPACT 90°
STEEL ROUND COMPACT 180°
STEEL ROUND COMPACT 360°

GU6,5 1x20 W MT

Range of class I reduced depth in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel ring
- Toughened sodium calcium glass diffuser
- The STEEL ROUND COMPACT 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system
- The luminaire requires recessed fixing kit which must be ordered separately



 Δ 3500 kg
< 10 km/h

Quick!

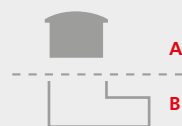


QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND COMPACT		310331

SS1

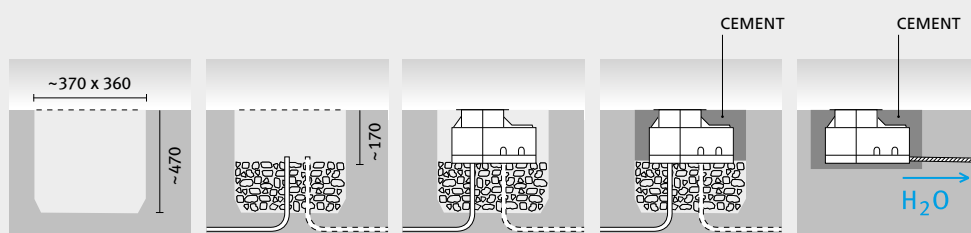
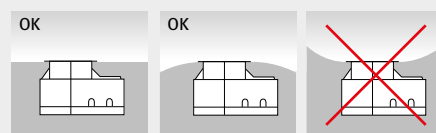


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
- B** recessed fixing kit



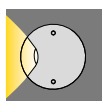


lampholder	W	ILCOS	colour	class	IP	Kelvin	$\text{Cos } \varphi \geq 0,9$	EEL	C°	EN 60598-2-13	code	notes
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STEEL ROUND COMPACT 90°

Discharge - electronic ballast 220/240 V 50/60 Hz

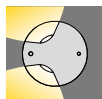
GU6,5	1x20 W	MT	SS1	I	67	• 3000	IK09 16J xx7	•	78	A2 A3	3024675	
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STEEL ROUND COMPACT 180°

Discharge - electronic ballast 220/240 V 50/60 Hz

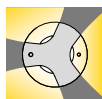
GU6,5	1x20 W	MT	SS1	I	67	• 3000	IK09 16J xx7	•	78	A2 A3	3024685	
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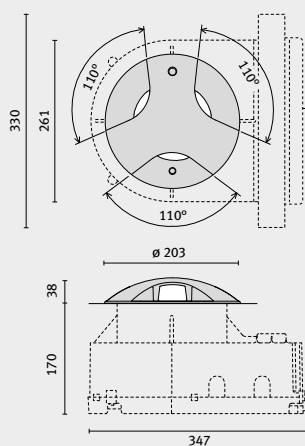
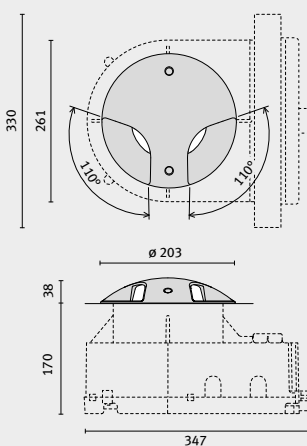
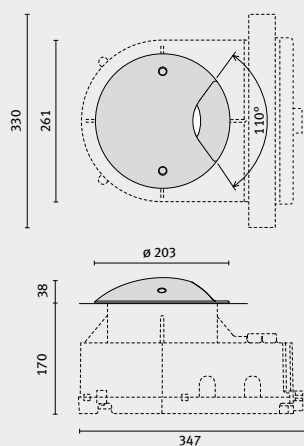
STEEL ROUND COMPACT 360°

Discharge - electronic ballast 220/240 V 50/60 Hz

GU6,5	1x20 W	MT	SS1	I	67	• 3000	IK09 16J xx7	•	78	A2 A3	3024695	
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If information about Kelvin degrees is provided, this means that the lamp is included.



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch

STEEL ROUND
STEEL ROUND COMPACT

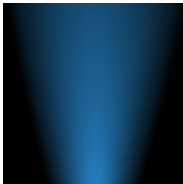
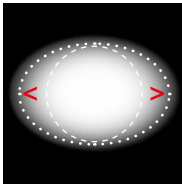
ACCESSORIES

- Soft Glass, frosted glass for uniformed diffused light and to reduce glare.
- Prismatic glass that makes it possible to control the light beam in one direction, only for Steel Round/C G8.5 models.
- Dichroic glass that allows the transmission of light with a definite wavelength or colour. Also allows the reduction of the external temperature of the glass, only for the Steel Round/C models.
- Circular lightshade, makes the light beam more crisp and defined by creating a “blade” of light. Use only with models that have concentrating reflectors, Steel Round/C 20W.
- A louver is available to reduce glare, circular model for Steel Round/C, asymmetrical model for Steel.
- Recessed housing in technopolymer to be ordered separately

The soft glass
diffuses the light
uniformly.



The prismatic glass
makes it possible to
widen the light beam
in one direction.



	Soft glass	Prismatic glass	Dichroic glass BL1
	cod. 310207	cod. 310208	cod. 310212
STEEL ROUND cod. 300830 - 3008275 - 300829 - 3008285 - 3008315	●		
STEEL ROUND/C cod. 300824 - 3008235			
STEEL ROUND/C cod. 3008225 - 3012905 - 3008215		●	●
STEEL ROUND/A cod. 3008265 - 3012915 - 3008255			
STEEL ROUND COMPACT cod. 3024855 - 302483	●		
STEEL ROUND COMPACT/C cod. 3024795		●	●
STEEL ROUND COMPACT/A cod. 3024805			

description	colour	code
Soft glass		310207
Prismatic glass		310208
Dichroic glass	BL1	310212
Dichroic glass	GN1	310211
Dichroic glass	RD1	310209
Dichroic glass	YL1	310210
Circular lightshade		310213
Louver for asymmetrical reflector		310215
Louver for circular reflector		310214
Lightshade for fluo reflector		310216
Recessed fixing kit STEEL ROUND		355428
Recessed fixing kit STEEL ROUND COMPACT		310331

BL1	GN1	RD1	YL1
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355428



310331



310207



310208



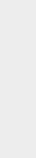
310210



310209



310212



310211

All dichroic glass reduces the outside temperature of the glass.

The circular baffle defines the beam, creating a blade of light.

The louver for the asymmetric reflector and the baffle for the fluorescent reflector are useful in reducing glare.



Dichroic glass GN1 cod. 310211	Dichroic glass RD1 cod. 310209	Dichroic glass YL1 cod. 310210	Lightshade for fluo reflector cod. 310213	Louver for asym- metrical reflector cod. 310215	Louver for circular reflector cod. 310214	Circular lightshade cod. 310216
						•
•	•	•	•			
				•		
•	•	•	•		•	
				•		



310213



310215



310214



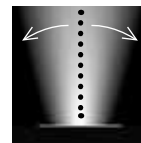
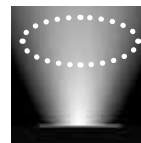
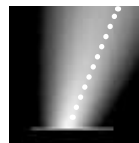
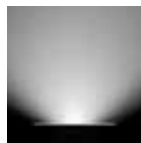
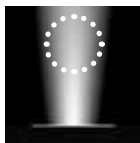
310216

STEEL ROUND STEEL ROUND COMPACT

SUMMARY OF FEATURES



	Luminaire resistant to walk-over	Luminaire resistant to drive-over	WATER STOP connection
 STEEL ROUND LED I 8°	•	•	•
 STEEL ROUND LED ELL 10°X45°	•	•	•
 STEEL ROUND LED 90° - 180° - 360°	•	•	•
STEEL ROUND	•	•	•
STEEL ROUND/C	•	•	•
STEEL ROUND/A	•	•	•
STEEL ROUND 90° - 180° - 360°	•	•	•
 STEEL ROUND COMPACT LED I 8°	•	•	•
 STEEL ROUND COMPACT LED ELL 10°X45°	•	•	•
 STEEL ROUND COMPACT LED 90° - 180° - 360°	•	•	•
STEEL ROUND COMPACT	•	•	•
STEEL ROUND COMPACT/C	•	•	•
STEEL ROUND COMPACT/A	•	•	•
STEEL ROUND COMPACT 90° - 180° - 360°	•	•	•



WATER DRAIN system	LED versions	QUICK versions	Circular optic	Symmetric optic	Asymmetric optic	Elliptical optic	Adjustable optics
	•	•	C/I 8°				•
	•	•				ELL 10° x 45°	•
	•	•				ELL 10° x 45°	
							•
			C/EW 115°		A31/M		•
					A8/I		•
		•					
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•				ELL 10° x 45°	
•							•
•			C/EW 115°				•
•					A8/I		•
•		•					

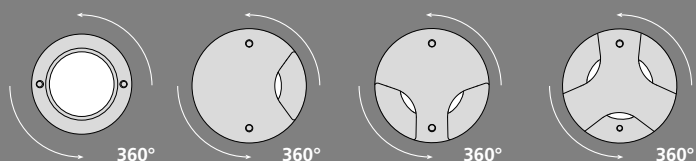


STEEL ROUND MAXI



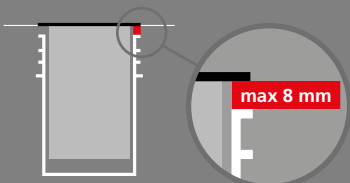
> Depth of recessed fixing kit 350 mm

- > LED
- > Discharge



> All the luminaire bodies are equipped with an **EASY-ADJUST** device that enables the luminaires to be rotated freely even after installation, regardless of the position of the pit.

> The luminaire can be positioned perfectly flush with the ground thanks to adjustment of the distance between the body and the recessed fixing kit.



STEEL ROUND MAXI LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI LED/I
STEEL ROUND MAXI LED 10°x45°



15 LED - 16,5 W

Range of class I in-ground LED
luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Precision-cast stainless steel trim
- Pressed toughened glass diffuser
- Black painted aluminium LED holder plate which can be directed by $\pm 7^\circ$
- The STEEL ROUND MAXI LED I versions are characterised by intensive beam lenses with 8° opening
- The STEEL ROUND MAXI LED E versions are characterised by elliptical lenses with $10^\circ \times 45^\circ$ ellipsoid beam
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately

description	colour	code
Recessed fixing kit STEEL ROUND MAXI		310196

SS1+WHL



A

COMPLETE UNIT

1A+1B = please order 2 codes

B

COMPONENTS

A gear body

B recessed fixing kit



warm light - 3000 K



cool light - 6000 K



Quick!

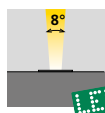
QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



Δ 4000 kg
< 10 km/h

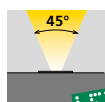
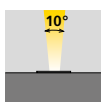
lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEL	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI LED/I 8°

Power LED 220/240 V 50/60 Hz

n. 15 LED - 16,5 W	SS1+WHL	I	67	• 6000	IK10 23J xx9	40	A1	A2	A3	A4	A5	3025195
n. 15 LED - 16,5 W	SS1+WHL	I	67	• 3000	IK10 23J xx9	40	A1	A2	A3	A4	A5	3025215

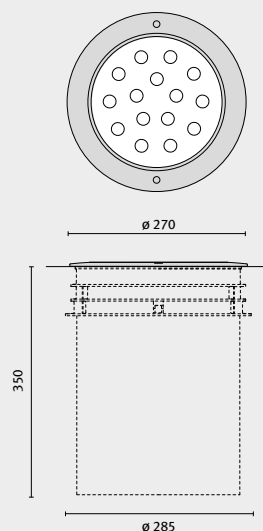
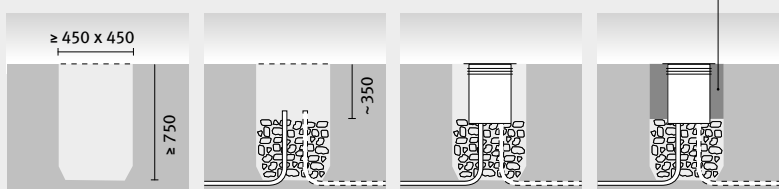


STEEL ROUND MAXI LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 15 LED - 16,5 W	SS1+WHL	I	67	• 6000	IK10 23J xx9	40	A1	A2	A3	A4	A5	3025205
n. 15 LED - 16,5 W	SS1+WHL	I	67	• 3000	IK10 23J xx9	40	A1	A2	A3	A4	A5	3025225

If information about Kelvin degrees is provided, this means that the lamp is included.



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch

STEEL ROUND MAXI

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI/I
STEEL ROUND MAXI/M
STEEL ROUND MAXI/W

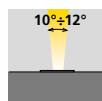
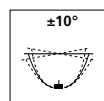
	G12	1x35 W MT
	RX7s	1x70 W MD

STEEL ROUND MAXI/A15°
STEEL ROUND MAXI/A30°

	RX7s	1x70 W MD
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Range of class I in-ground luminaires, consisting of:

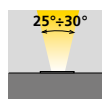
- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Flat toughened glass diffuser
- 99.85% high performance anodised aluminium circular reflectors
- The STEEL ROUND MAXI/I versions are characterised by a circular reflector with an intensive beam (I)
- The STEEL ROUND MAXI/M versions are characterised by a circular reflector with a medium beam (M)
- The STEEL ROUND MAXI/W versions are characterised by a circular reflector with a wide beam (W)
- The STEEL ROUND MAXI/A versions are characterised by asymmetric reflectors
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



STEEL ROUND MAXI/I

Discharge - electronic ballast 220/240 V 50/60 Hz

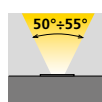
G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	78	A1	A2	A3	A4	3026805
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	119	A1				3026835



STEEL ROUND MAXI/M

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	78	A1	A2	A3	A4	3026815
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	120	A1				3026845



STEEL ROUND MAXI/W

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	78	A1	A2	A3	A4	3026825
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	123	A1				3026855

lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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SS1



A

COMPLETE UNIT

1A+1B = please order 2 codes

B

COMPONENTS

- A gear body
- B recessed fixing kit



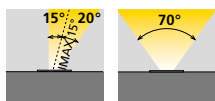
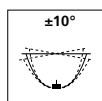
WATER STOP



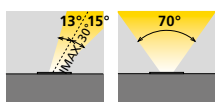
Δ 4000 kg
< 10 km/h



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEL	C°	EN 60598-2-13	code	notes
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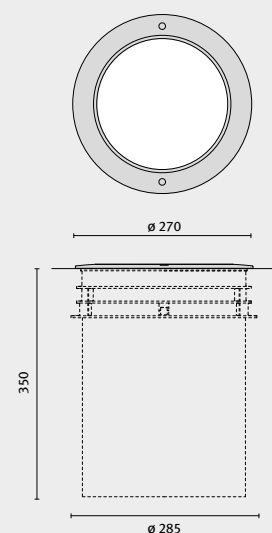
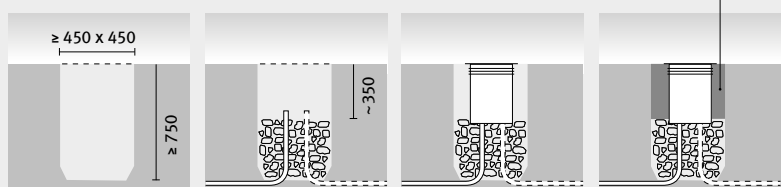
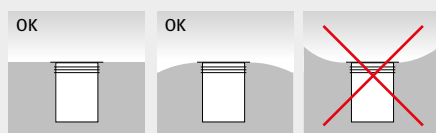
**STEEL ROUND MAXI/A 15°****Discharge - electronic ballast 220/240 V 50/60 Hz**

RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	115	A1	3026865
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**STEEL ROUND MAXI/A 30°****Discharge - electronic ballast 220/240 V 50/60 Hz**

RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	110	A1	3026875
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description	colour	code
Recessed fixing kit STEEL ROUND MAXI		310196



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL ROUND MAXI LED 90° STEEL ROUND MAXI LED 180° STEEL ROUND MAXI LED 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI LED 90°

4 LED - 4,4 W

STEEL ROUND MAXI LED 180°

8 LED - 8,8 W

STEEL ROUND MAXI LED 360°

12 LED - 13,2 W

Range of class I in-ground LED luminares, consisting of:

- Black painted anodised die-cast aluminium body
- Precision-cast stainless steel covers
- Pressed toughened glass diffuser
- The STEEL ROUND MAXI 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately




Δ 3000 kg
< 10 km/h

Quick!

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



warm light - 3000 K



cool light - 6000 K

description	colour	code
Recessed fixing kit STEEL ROUND MAXI		310196

SS1+WHL

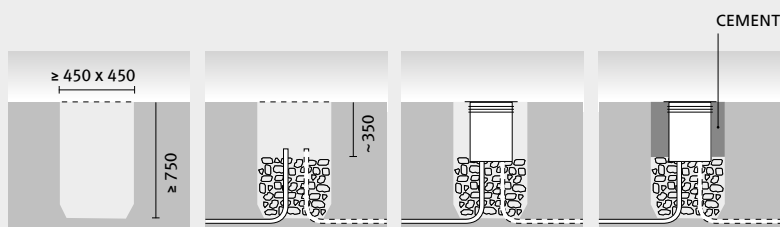


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
- B** recessed fixing kit



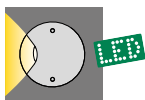


lampholder W ILCOS colour class IP Kelvin $\cos \varphi \geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL ROUND MAXI LED 90°

Power LED 220/240 V 50/60 Hz

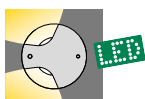
n. 4 LED - 4,4 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027125
n. 4 LED - 4,4 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027095



STEEL ROUND MAXI LED 180°

Power LED 220/240 V 50/60 Hz

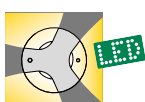
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027115
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027085



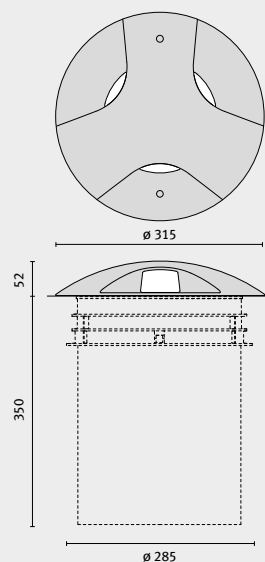
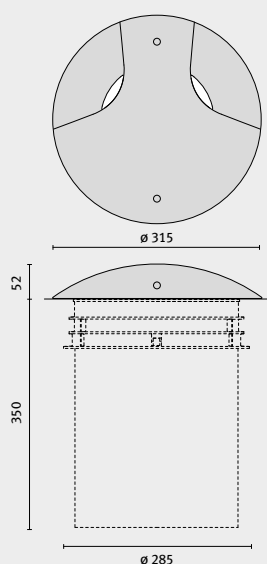
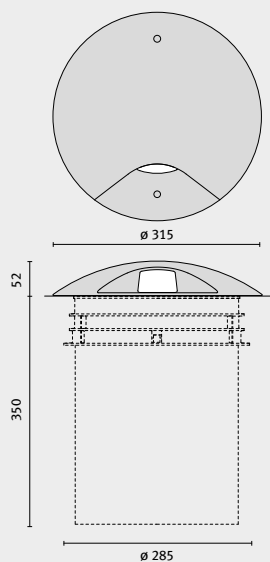
STEEL ROUND MAXI LED 360°

Power LED 220/240 V 50/60 Hz

n. 12 LED - 13,2 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027105
n. 12 LED - 13,2 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027075



If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND MAXI 90° STEEL ROUND MAXI 180° STEEL ROUND MAXI 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI 90°
STEEL ROUND MAXI 180°
STEEL ROUND MAXI 360°

G8,5 1x35 W MT-UB

Range of class I in-ground luminaires,
consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel cover
- Pressed toughened glass diffuser
- The STEEL ROUND MAXI 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately




Δ 3000 kg
< 10 km/h

Quick!

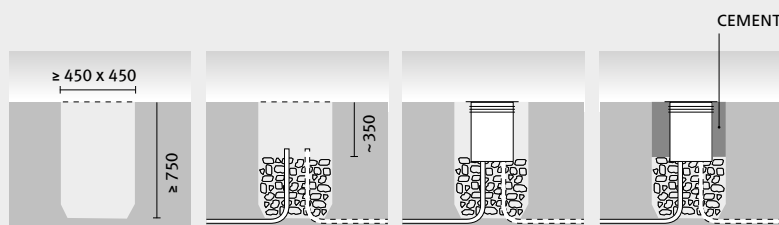
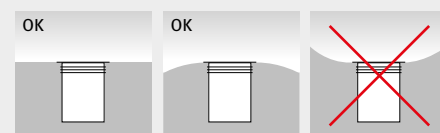
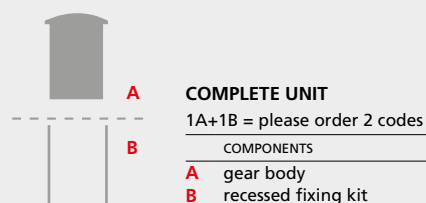


QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND MAXI		310196

SS1



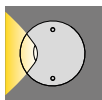


lampholder	W	ILCOS	colour	class	IP	Kelvin	$\text{Cos } \varphi \geq 0,9$	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI 90°

Discharge - electronic ballast 220/240 V 50/60 Hz

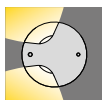
G8,5	1x35 W	MT-UB	SS1	I	67	• 3000	IK07 2,6J xx5	•	64	A1 A3	3026905	
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STEEL ROUND MAXI 180°

Discharge - electronic ballast 220/240 V 50/60 Hz

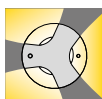
G8,5	1x35 W	MT-UB	SS1	I	67	• 3000	IK07 2,6J xx5	•	62	A1 A3	3026895	
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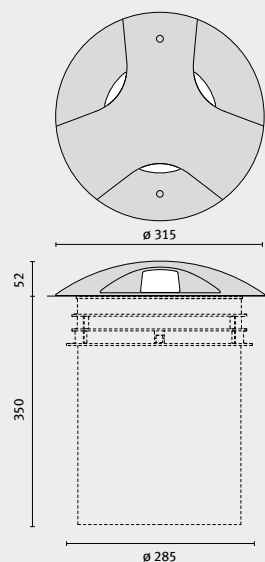
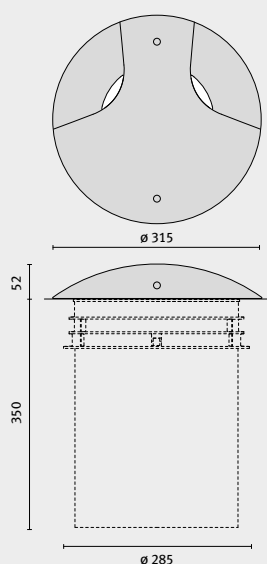
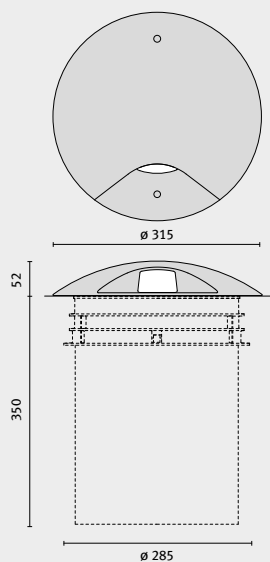
STEEL ROUND MAXI 360°

Discharge - electronic ballast 220/240 V 50/60 Hz

G8,5	1x35 W	MT-UB	SS1	I	67	• 3000	IK07 2,6J xx5	•	61	A1 A3	3026885	
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If information about Kelvin degrees is provided, this means that the lamp is included.



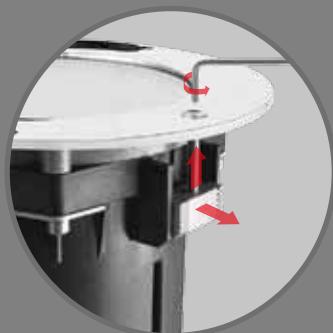
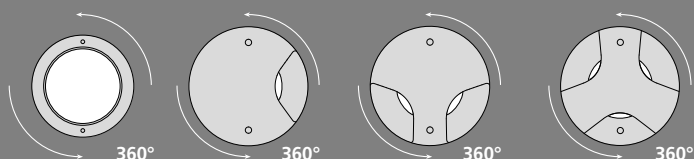
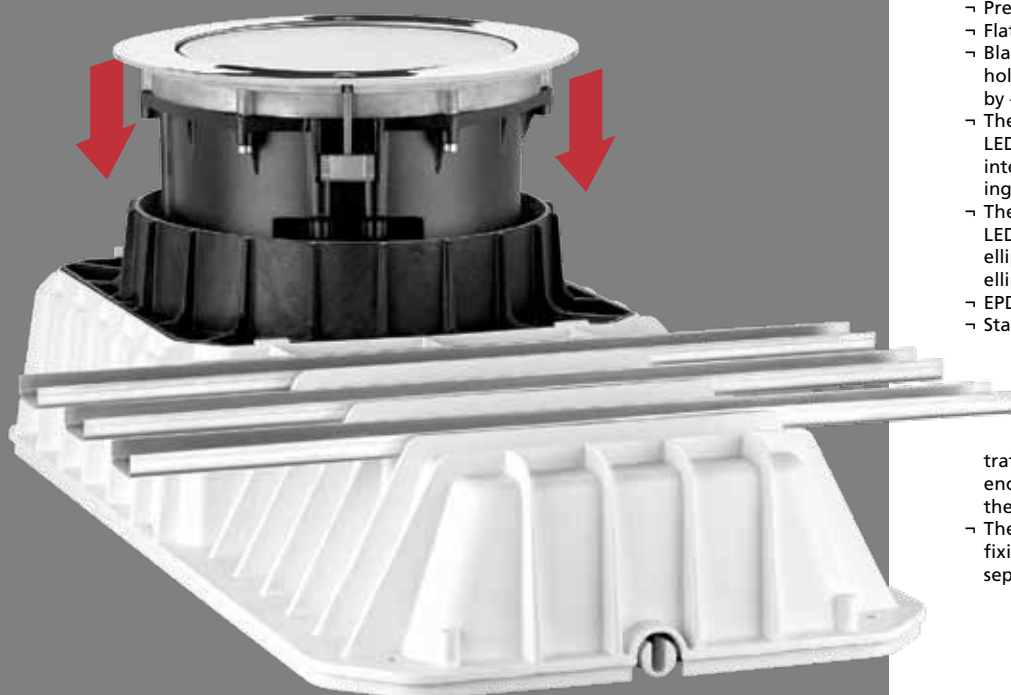
A1	A2	A3	A4	A5
No Touch Area				
Area subject to foot traffic				
Area subject to vehicle traffic				
Area subject to vehicle traffic Plus				
Area subject to foot traffic Touch				

STEEL ROUND MAXI COMPACT



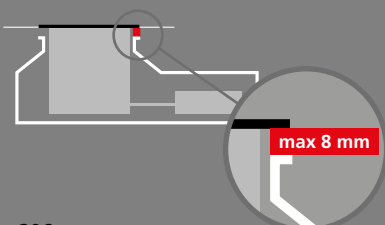
> Depth of recessed fixing kit 165 mm

- > LED
- > Halogen
- > Discharge



> All the luminaire bodies are equipped with an **EASY-ADJUST** device that enables the luminaires to be rotated freely even after installation, regardless of the position of the pit.

> The luminaire can be positioned perfectly flush with the ground thanks to adjustment of the distance between the body and the recessed fixing kit.



STEEL ROUND MAXI COMPACT LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI COMPACT LED/I
STEEL ROUND MAXI COMPACT LED ELL 10°x45°



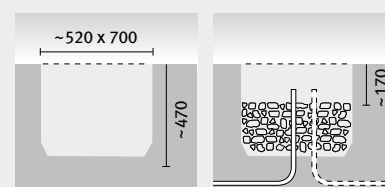
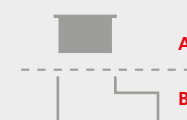
15 LED - 16,5 W

- Range of class I reduced depth in-ground LED luminaires, consisting of:
- Black painted anodised die-cast aluminium body
 - Precision-cast stainless steel trim
 - Flat toughened glass diffuser
 - Black painted aluminium LED holder plate which can be directed by +/- 7°
 - The STEEL ROUND MAXI COMPACT LED/I versions are characterised by intensive beam lenses with 8° opening
 - The STEEL ROUND MAXI COMPACT LED E versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
 - EPDM gaskets
 - Stainless steel fastening screws
 - WATER STOP connection system to the watertight network
 - Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system.
 - The luminaire requires recessed fixing kit which must be ordered separately

description	colour	code
Recessed fixing kit STEEL ROUND MAXI COMPACT		310252

SS1+WHL

COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	gear body
B	recessed fixing kit





warm light - 3000 K



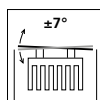
cool light - 6000 K



Quick!

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

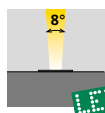


lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI COMPACT LED/I 8°

Power LED 220/240 V 50/60 Hz

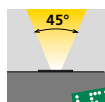
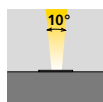
n. 15 LED - 16,5 W	SS1+WHL	I	67	• 6000	IK10 23J xx9	39	A1	A2	A3	A4	A5	3024735
n. 15 LED - 16,5 W	SS1+WHL	I	67	• 3000	IK10 23J xx9	39	A1	A2	A3	A4	A5	3024755



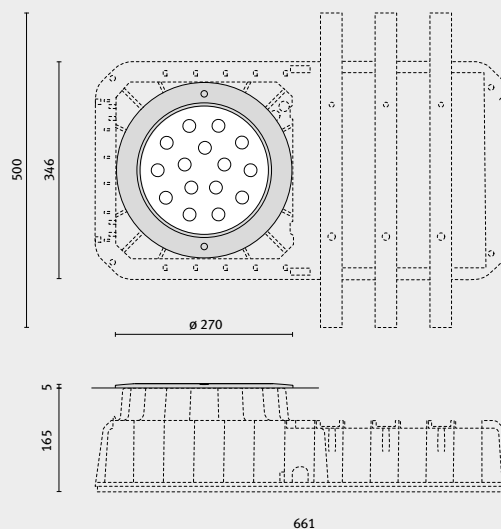
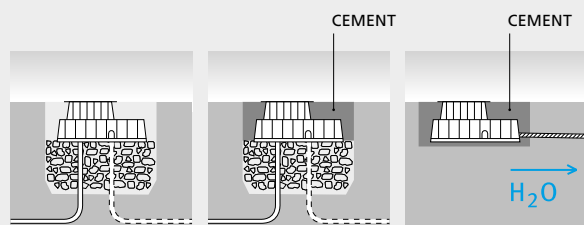
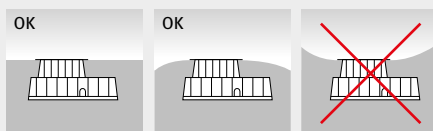
STEEL ROUND MAXI COMPACT LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 15 LED - 16,5 W	SS1+WHL	I	67	• 6000	IK10 23J xx9	39	A1	A2	A3	A4	A5	3024745
n. 15 LED - 16,5 W	SS1+WHL	I	67	• 3000	IK10 23J xx9	39	A1	A2	A3	A4	A5	3024845



If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND MAXI COMPACT

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI COMPACT/I STEEL ROUND MAXI COMPACT/M STEEL ROUND MAXI COMPACT/W

	G12	1x35 W MT
	RX7s	1x70 W MD
	RX7s	1x150 W MD

STEEL ROUND MAXI COMPACT/A15° STEEL ROUND MAXI COMPACT/A30°

	RX7s	1x70 W MD
	RX7s	1x150 W MD

Range of class I reduced depth in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Flat toughened glass diffuser
- 99.85% high performance anodised aluminium circular reflectors
- The STEEL ROUND MAXI COMPACT/I versions are characterised by a circular reflector with an intensive beam (I)
- The STEEL ROUND MAXI COMPACT/M versions are characterised by a circular reflector with a medium beam (M)
- The STEEL ROUND MAXI COMPACT/W versions are characterised by a circular reflector with a wide beam (W)
- The STEEL ROUND MAXI COMPACT/A versions are characterised by asymmetric reflectors
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system.
- The luminaire requires recessed fixing kit which must be ordered separately

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi$ ≥ 0,9	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI COMPACT/I

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	85	A1 A2 A3 A4	3026915	
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	132	A1	3026945	
RX7s	1x150 W	MD	SS1	I	67	•	IK10 23J xx9	•	179	A1	3026995	

STEEL ROUND MAXI COMPACT/M

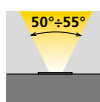
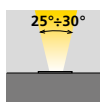
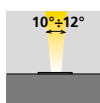
Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	80	A1 A2 A3 A4	3026925	
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	125	A1	3026955	
RX7s	1x150 W	MD	SS1	I	67	•	IK10 23J xx9	•	170	A1	3027005	

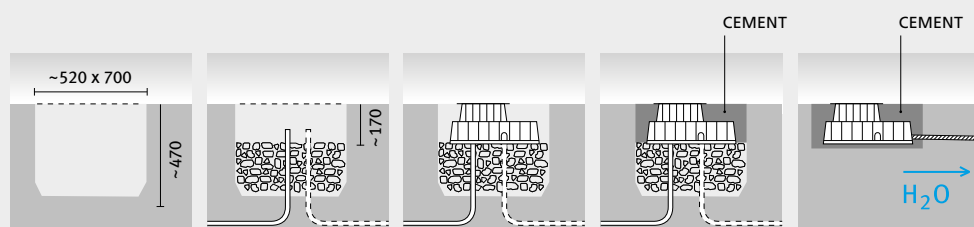
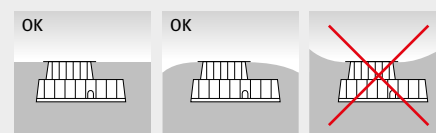
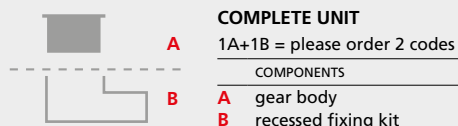
STEEL ROUND MAXI COMPACT/W

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT	SS1	I	67	•	IK10 23J xx9	•	80	A1 A2 A3 A4	3026935	
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	140	A1	3026965	
RX7s	1x150 W	MD	SS1	I	67	•	IK10 23J xx9	•	140	A1	3027015	



SS1





WATER STOP



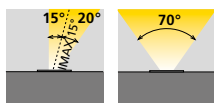
Δ 4000 kg
< 10 km/h



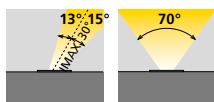
lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEL	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI COMPACT/A 15°**Discharge - electronic ballast 220/240 V 50/60 Hz**

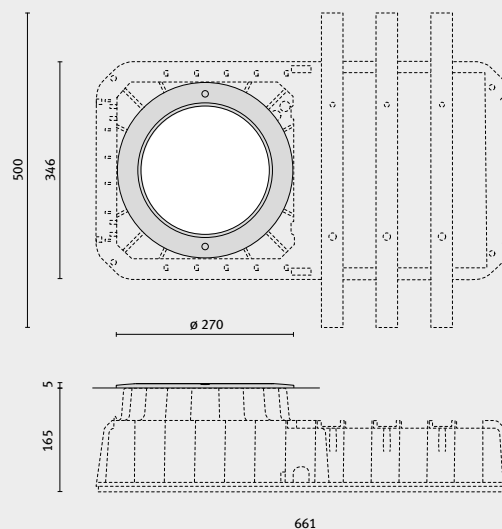
RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	122°	A1	3026975	
RX7s	1x150 W	MD	SS1	I	67	•	IK10 23J xx9	•	164°	A1	3027025	

**STEEL ROUND MAXI COMPACT/A 30°****Discharge - electronic ballast 220/240 V 50/60 Hz**

RX7s	1x70 W	MD	SS1	I	67	•	IK10 23J xx9	•	119°	A1	3026985	
RX7s	1x150 W	MD	SS1	I	67	•	IK10 23J xx9	•	158°	A1	3027035	



description	colour	code
Recessed fixing kit STEEL ROUND MAXI COMPACT		310252



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL ROUND MAXI COMPACT LED 90° STEEL ROUND MAXI COMPACT LED 180° STEEL ROUND MAXI COMPACT LED 360°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI COMPACT LED 90°

4 LED - 4,4 W

STEEL ROUND MAXI COMPACT LED 180°

8 LED - 8,8 W

STEEL ROUND MAXI COMPACT LED 360°

12 LED - 13,2 W

Range of class I reduced depth in-ground LED luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Precision-cast stainless steel covers
- Pressed toughened glass diffuser
- The STEEL ROUND MAXI 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system.
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 3000 kg
< 10 km/h

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



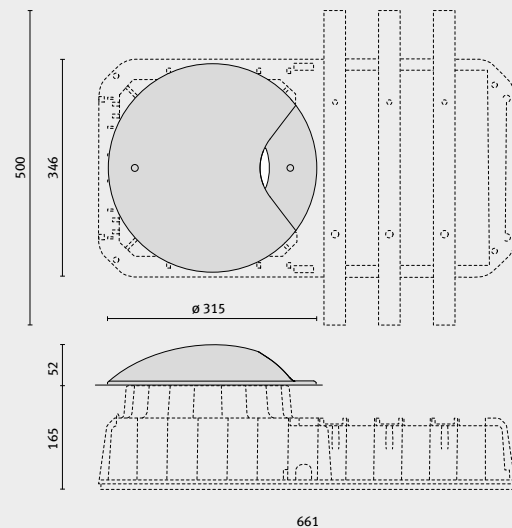
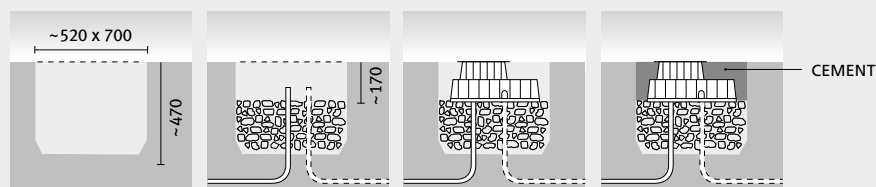
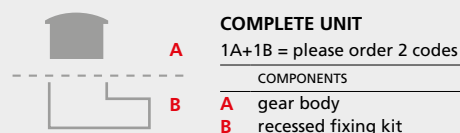
warm light - 3000 K



cool light - 6000 K

description	colour	code
Recessed fixing kit STEEL ROUND MAXI COMPACT		310252

SS1+WHL



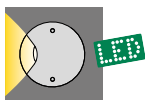


lampholder W ILCOS colour class IP Kelvin $\geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL ROUND MAXI COMPACT LED 90°

Power LED 220/240 V 50/60 Hz

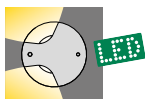
n. 4 LED - 4,4 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027125
n. 4 LED - 4,4 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027095



STEEL ROUND MAXI COMPACT LED 180°

Power LED 220/240 V 50/60 Hz

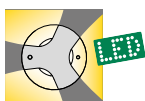
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027115
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027085



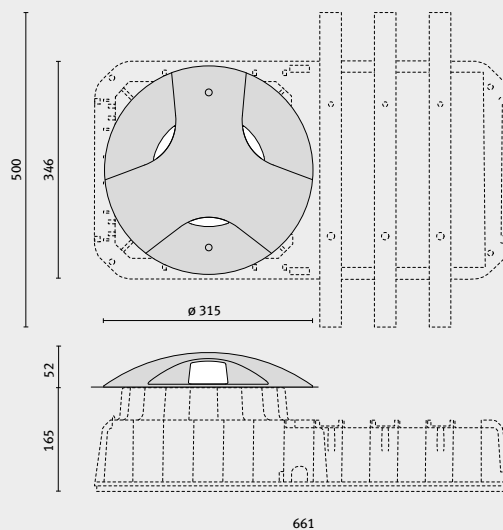
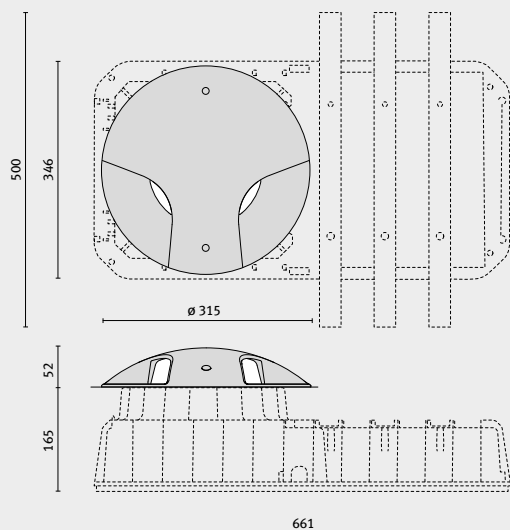
STEEL ROUND MAXI COMPACT LED 360°

Power LED 220/240 V 50/60 Hz

n. 12 LED - 13,2 W	SS1+WHL	I	67	• 3000	IK07 2,6J xx5	48	A1 A3	3027105
n. 12 LED - 13,2 W	SS1+WHL	I	67	• 6000	IK07 2,6J xx5	48	A1 A3	3027075



If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL ROUND MAXI COMPACT 90° STEEL ROUND MAXI COMPACT 180° STEEL ROUND MAXI COMPACT 360°

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL ROUND MAXI COMPACT 90°
STEEL ROUND MAXI COMPACT 180°
STEEL ROUND MAXI COMPACT 360°

⚡ G12 1x35 W MT-UB

Range of class I reduced depth in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel covers
- Pressed toughened glass diffuser
- The STEEL ROUND MAXI 90° - 180° - 360° versions consist of covers with one, two or three radial beams for use as step markers
- EPDM gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit equipped with reinforcement bar to ensure traffic resistance and designed to encourage water drainage through the WATER DRAIN system.
- The luminaire requires recessed fixing kit which must be ordered separately



 Δ 3000 kg
< 10 km/h

Quick!

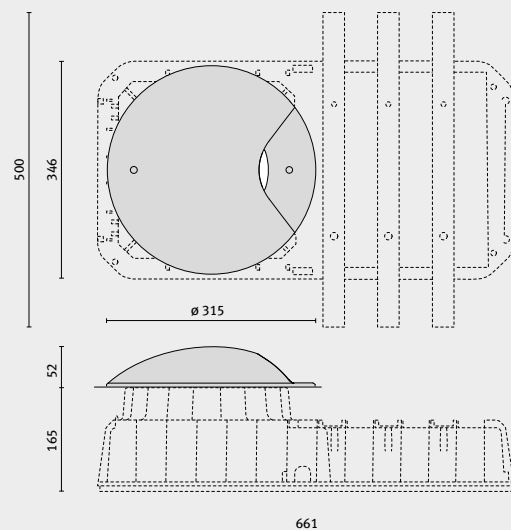
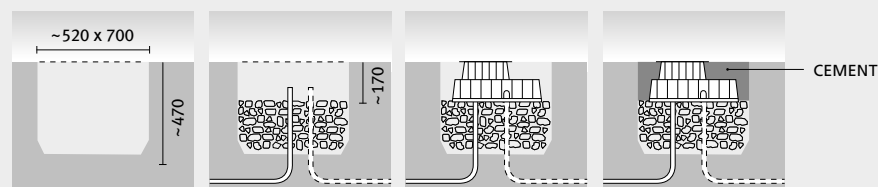
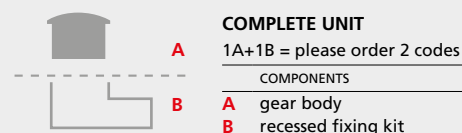


QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL ROUND MAXI COMPACT		310252

SS1





lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ $\geq 0,9$	EEI	C°	EN 60598-2-13	code	notes
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STEEL ROUND MAXI COMPACT 90°

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT-UB	SS1	I	67	•	3000	IK07 2,6J xx5	•	64	A1 A3		3027065
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STEEL ROUND MAXI COMPACT 180°

Discharge - electronic ballast 220/240 V 50/60 Hz

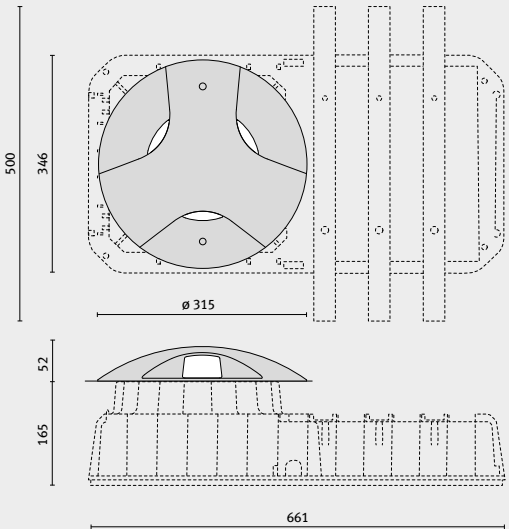
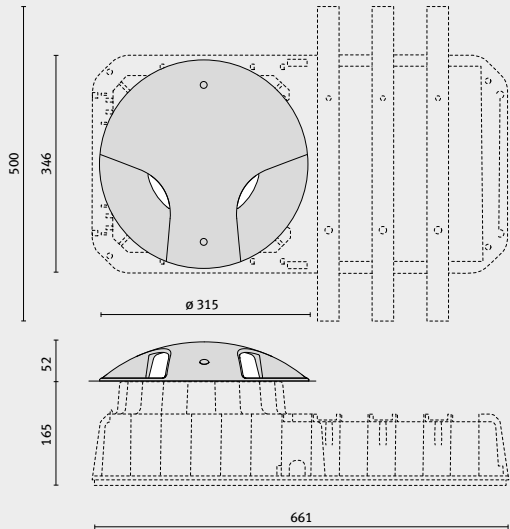
G12	1x35 W	MT-UB	SS1	I	67	•	3000	IK07 2,6J xx5	•	64	A1 A3		3027055
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STEEL ROUND MAXI COMPACT 360°

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x35 W	MT-UB	SS1	I	67	•	3000	IK07 2,6J xx5	•	64	A1 A3		3027045
-----	--------	-------	-----	---	----	---	------	---------------	---	----	-------	--	---------

If information about Kelvin degrees is provided, this means that the lamp is included.



- A1 No Touch Area
- A2 Area subject to foot traffic
- A3 Area subject to vehicle traffic
- A4 Area subject to vehicle traffic Plus
- A5 Area subject to foot traffic Touch

STEEL ROUND MAXI STEEL ROUND MAXI COMPACT

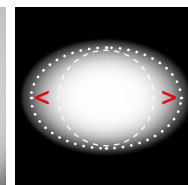
ACCESSORIES

- Soft Glass, frosted glass for uniformed diffused light and to reduce glare
- Prismatic glass that makes it possible to control the light beam in one direction
- Dichroic glass that allows the transmission of light with a definite wavelength or colour
- Circular lightshade, makes the light beam more crisp and defined by creating a "blade" of light
- A louver is available to reduce glare
- Recessed housing in technopolymer to be ordered separately

The soft glass diffuses the light uniformly.



The prismatic glass makes it possible to widen the light beam in one direction.



description	colour	code
Soft glass STEEL ROUND MAXI/COMPACT		310262
Prismatic glass STEEL ROUND MAXI/COMPACT		310264
Dichroic glass STEEL ROUND MAXI/COMPACT	BL1	310287
Dichroic glass STEEL ROUND MAXI/COMPACT	GN1	310286
Dichroic glass STEEL ROUND MAXI/COMPACT	RD1	310265
Dichroic glass STEEL ROUND MAXI/COMPACT	YL1	310266
Circular lens hood STEEL ROUND MAXI/COMPACT		310288
Barn doors STEEL ROUND MAXI/COMPACT		310289
Heat filter STEEL ROUND MAXI/COMPACT		310263
Recessed fixing kit STEEL ROUND MAXI		310196
Recessed fixing kit STEEL ROUND MAXI COMPACT		310252

	Soft glass cod. 310262	Prismatic glass cod. 310264
STEEL ROUND MAXI/I cod. 3026805 - 3026835		●
STEEL ROUND MAXI/M cod. 3026815 - 3026845	●	●
STEEL ROUND MAXI/W cod. 3026825 - 3026855	●	●
STEEL ROUND MAXI/A15° cod. 3026865	●	
STEEL ROUND MAXI/A30° cod. 3026875	●	
STEEL ROUND MAXI COMPACT/I cod. 3026915 - 3026945		●
STEEL ROUND MAXI COMPACT/I cod. 3026995		●
STEEL ROUND MAXI COMPACT/M cod. 3026925 - 3026955	●	●
STEEL ROUND MAXI COMPACT/M cod. 3027005	●	●
STEEL ROUND MAXI COMPACT/W cod. 3026935 - 3026965	●	●
STEEL ROUND MAXI COMPACT/W cod. 3027015	●	●
STEEL ROUND MAXI COMPACT/A15° cod. 3026975	●	
STEEL ROUND MAXI COMPACT/A15° cod. 3027025	●	
STEEL ROUND MAXI COMPACT/A30° cod. 3026985	●	
STEEL ROUND MAXI COMPACT/A30° cod. 3027035	●	

BL1

GN1

RD1

YL1



310196



310252



310262



310264

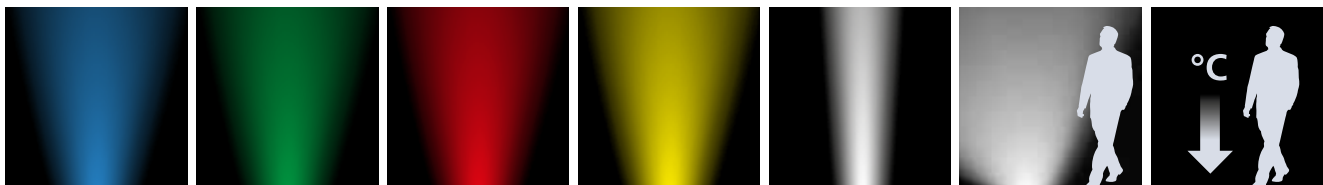


310287

The circular baffle defines the beam, creating a blade of light.

The baffle is useful for reducing glare.

The thermal filter reduces the temperature by 20/25° C according to the versions.



Dichroic glass BL1 cod. 310287	Dichroic glass GN1 cod. 310286	Dichroic glass RD1 cod. 310265	Dichroic glass YL1 cod. 310266	Lightshade for fluo reflector cod. 310288	Baffle cod. 310289	Thermal filter cod. 310263
•	•	•	•	•	•	•
						•
						•
						•
•	•	•	•	•	•	•
				•	•	•
						•
						•



310286



310265



310266



310288



310289



310263

STEEL ROUND MAXI STEEL ROUND MAXI COMPACT

SUMMARY OF FEATURES



STEEL ROUND MAXI LED/I

STEEL ROUND MAXI LED ELL 10°X45°

STEEL ROUND MAXI LED 90° - 180° - 360°

STEEL ROUND MAXI/I

STEEL ROUND MAXI/M

STEEL ROUND MAXI/W

STEEL ROUND MAXI/A 15°

STEEL ROUND MAXI/A 30°

STEEL ROUND MAXI 90° - 180° - 360°

STEEL ROUND MAXI COMPACT LED/I

STEEL ROUND MAXI COMPACT LED ELL 10°X45°

STEEL ROUND MAXI COMPACT LED 90° - 180° - 360°

STEEL ROUND MAXI COMPACT/I

STEEL ROUND MAXI COMPACT/M

STEEL ROUND MAXI COMPACT/W

STEEL ROUND MAXI COMPACT/A 15°

STEEL ROUND MAXI COMPACT/A 30°

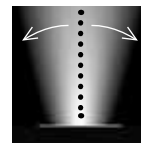
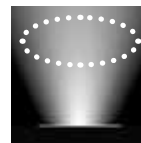
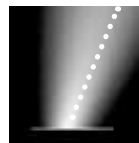
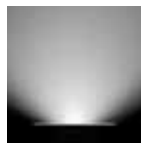
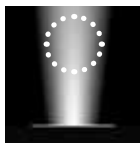
STEEL ROUND MAXI COMPACT 90° - 180° - 360°

Luminaire
resistant to
walk-over

Luminaire
resistant to
drive-over

WATER STOP
connection





WATER DRAIN system	LED versions	QUICK versions	Circular optic	Symmetric optic	Asymmetric optic	Elliptical optic	Adjustable optics
	•	•	C/I 8°				•
	•	•				ELL 10° x 45°	•
	•	•				ELL 10° x 45°	
			C/I 12°				•
			C/M 30°				•
			C/W 55°				•
					A15°/W		•
					A30°/W		•
		•					
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•				ELL 10° x 45°	
•			C/I 12°				•
•			C/M 30°				•
•			C/W 55°				•
•					A15°/W		•
•					A30°/W		
•		•					

STEEL SQUARE



> Depth of recessed fixing kit 127 mm

- > LED
- > Halogen
- > Discharge
- > Fluorescent



STEEL SQUARE 20 SIDE

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL SQUARE 20 SIDE - 3 LED I 8°

 3 LED - 3,3 W

STEEL SQUARE 20 SIDE - 3 LED ELL 10°X45°

 3 LED - 3,3 W

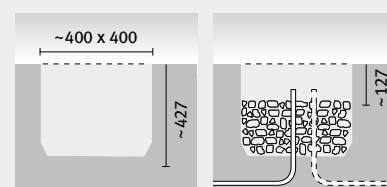
Range of class I in-ground LED luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm
- Anodised extruded aluminium profile for correct dissipation of the LED light source
- The STEEL SQUARE 20 - 3 LED I versions are characterised by narrow beam lenses with 8° opening
- The STEEL SQUARE 20 - 3 LED E 10X45° versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
- The SIDE versions have the LED-holder profile positioned at the side
- The extruded profiles on which the LEDs are installed may be directed independently
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately

description	colour	code
Recessed fixing kit STEEL SQUARE 20		310369

SS1+WHL

	COMPLETE UNIT
	1A+1B = please order 2 codes
	COMPONENTS
A	gear body
B	recessed fixing kit





warm light - 3000 K



cool light - 6000 K



The LEDs are mounted on bars that are adjustable independently.



Quick!

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



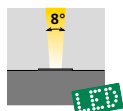
Δ 2200 kg
< 10 km/h

lampholder	W	ILCOS	colour	class	IP	Kelvin	Δ	Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 20 SIDE - 3 LED I 8°

Power LED 220/240 V 50/60 Hz

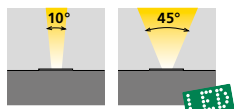
n. 3 LED - 3,3 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301465
n. 3 LED - 3,3 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301462



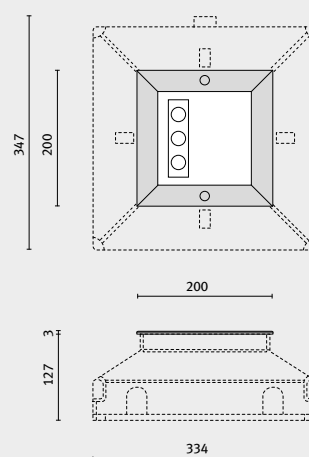
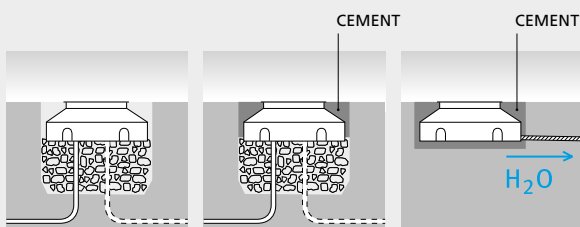
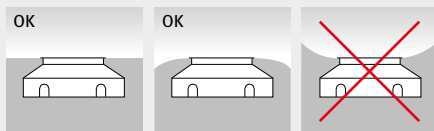
STEEL SQUARE 20 SIDE - 3 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 3,3 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301471
n. 3 LED - 3,3 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301468



If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch



STEEL SQUARE 20 LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL SQUARE 20 - 3 LED I 8°



LED - 3,3 W

STEEL SQUARE 20 - 3 LED ELL 10°X45°



3 LED - 3,3 W

STEEL SQUARE 20 - 6 LED I 8°



6 LED - 6,6 W

STEEL SQUARE 20 - 6 LED ELL 10°X45°



6 LED - 6,6 W

Range of class I in-ground LED luminaires,
consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm
- Anodised extruded aluminium profile for correct dissipation of the LED light source
- The STEEL SQUARE 20 - 3 LED I versions are characterised by narrow beam lenses with 8° opening
- The STEEL SQUARE 20 - 3 LED E 10X45° versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
- The SIDE versions have the LED-holder profile positioned at the side
- The extruded profiles on which the LEDs are installed may be directed independently
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 2200 kg
< 10 km/h

lampholder	w	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 20 - 3 LED I 8°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 3,3 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301464
n. 3 LED - 3,3 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301461

STEEL SQUARE 20 - 3 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 3,3 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301470
n. 3 LED - 3,3 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	33	A1 A2 A3 A4 A5	301467

If information about Kelvin degrees is provided, this means that the lamp is included.

description	colour	code
Recessed fixing kit STEEL SQUARE 20		310369

SS1+WHL

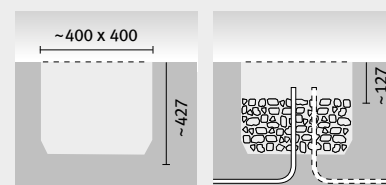
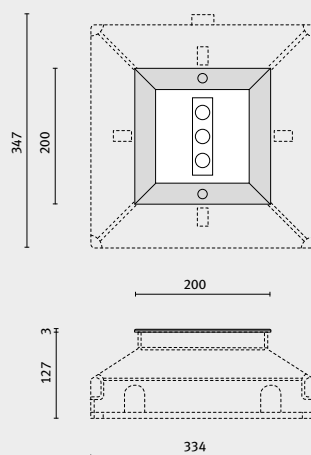


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
B recessed fixing kit





warm light - 3000 K



cool light - 6000 K



The LEDs are mounted on bars that are adjustable independently.



Quick!

QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



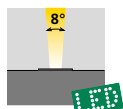
Δ 2200 kg
< 10 km/h

lampholder	w	ILCOS	colour	class	IP	Kelvin	IK	Power LED	220/240 V 50/60 Hz	cos φ	≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 20 - 6 LED I 8°

Power LED 220/240 V 50/60 Hz

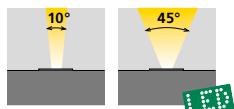
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	35	A1 A2 A3 A4 A5	301466
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	35	A1 A2 A3 A4 A5	301463



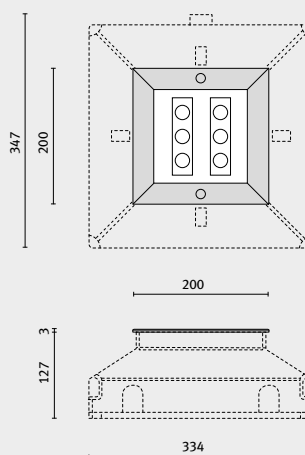
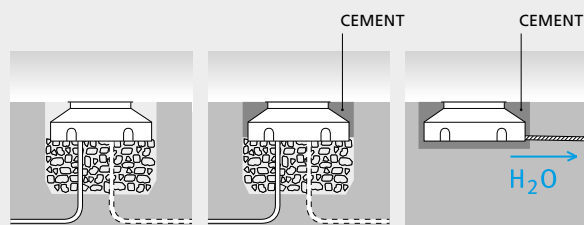
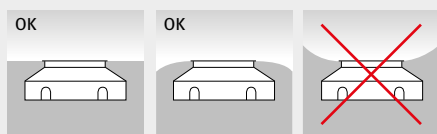
STEEL SQUARE 20 - 6 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	35	A1 A2 A3 A4 A5	301472
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	35	A1 A2 A3 A4 A5	301469



If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL SQUARE 20

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL SQUARE 20

GU5,3 1x20 W HRG

STEEL SQUARE 20/A IMAX 15°

GU6,5 1x20 W MT

Range of class I in-ground luminaires,
consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm
- Extra pure (99.85%) anodised aluminium asymmetric reflector
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



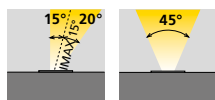
The halogen version has an adjustable lamp.



WATER STOP



Δ 2200 kg
< 10 km/h



lampholder	w	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 20

Halogen

GU5,3	1x20 W	HRG	SS1	I	67	•	IK10 20J xx9	•	79	A1 A2 A3 A4	301459	
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STEEL SQUARE 20/A IMAX 15°

Discharge - electronic ballast 220/240 V 50/60 Hz

GU6,5	1x20 W	MT	SS1	I	67	•	IK10 20J xx9	•	63	A1 A2 A3 A4	301460	
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description	colour	code
Recessed fixing kit STEEL SQUARE 20		310369

SS1

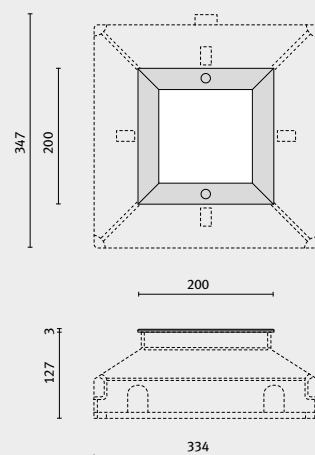
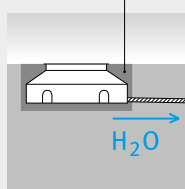
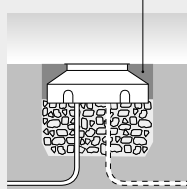
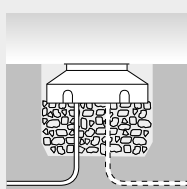
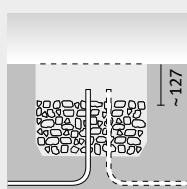
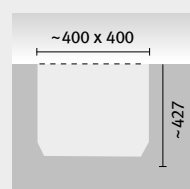


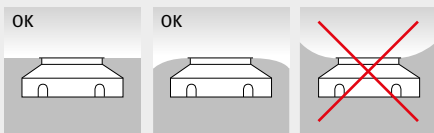
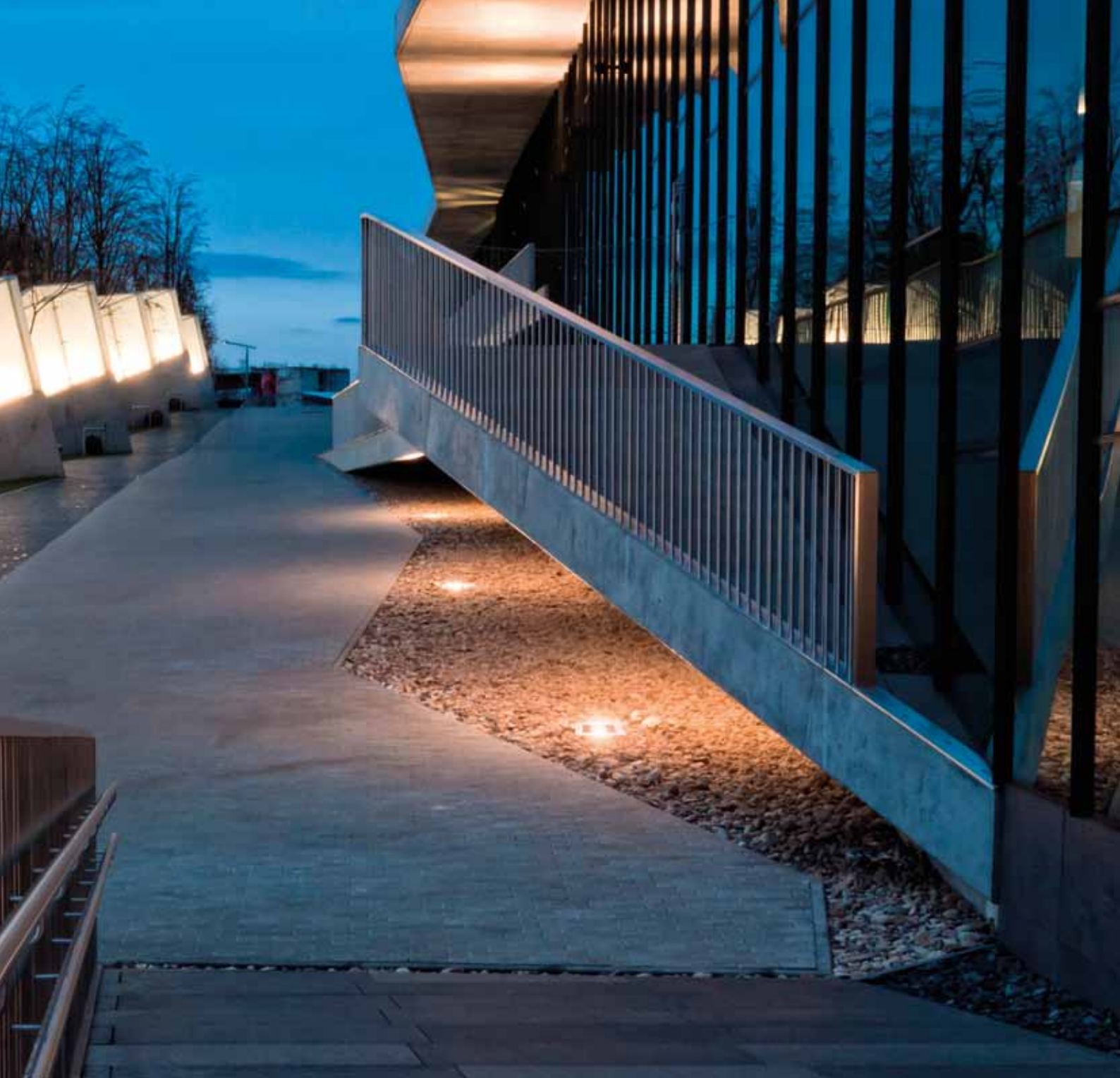
COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A gear body
- B recessed fixing kit





- A1 No Touch Area
- A2 Area subject to foot traffic
- A3 Area subject to vehicle traffic
- A4 Area subject to vehicle traffic Plus
- A5 Area subject to foot traffic Touch



STEEL SQUARE 28 LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL SQUARE 28 SIDE - 6 LED I 8°



6 LED - 6,6 W

STEEL SQUARE 28 SIDE - 6 LED ELL 10°X45°



6 LED - 6,6 W

STEEL SQUARE 28 - 12 LED I 8°



12 LED - 13,2 W

STEEL SQUARE 28 - 12 LED ELL 10°X45°



12 LED - 13,2 W

STEEL SQUARE 28 - 18 LED I 8°



18 LED - 19,8 W

STEEL SQUARE 28 - 18 LED ELL 10°X45°



18 LED - 19,8 W

Range of class I in-ground LED luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm
- Anodised extruded aluminium profile for correct dissipation of the LED light source
- The STEEL SQUARE 28 - LED I versions are characterised by narrow beam lenses with 8° opening
- The STEEL SQUARE 28 LED E 10X45° versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
- The LEDs can be directed independently by rotating the individual bars or simultaneously by rotating the bar support plate
- The SIDE versions have the LED-holder profile positioned at the side
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



lampholder W ILCOS colour class IP Kelvin $\uparrow$ $\geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL SQUARE 28 SIDE - 6 LED I 8°

Power LED 220/240 V 50/60 Hz

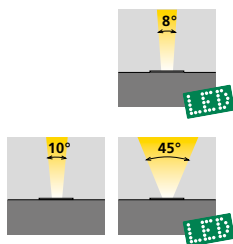
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	34	A1 A2 A3 A4 A5	301485
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	34	A1 A2 A3 A4 A5	301482

STEEL SQUARE 28 SIDE - 6 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 6 LED - 6,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	34	A1 A2 A3 A4 A5	301491
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	34	A1 A2 A3 A4 A5	301488

If information about Kelvin degrees is provided, this means that the lamp is included.



The LEDs are mounted on bars that are adjustable independently and even the plate on which the bars are mounted can be adjusted by 10°.



warm light - 3000 K

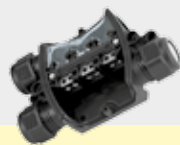


cool light - 6000 K

description	colour	code
Recessed fixing kit STEEL SQUARE 28		310374

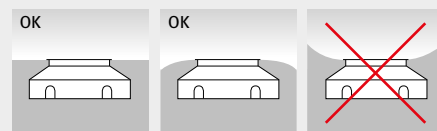
SS1+WHL

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

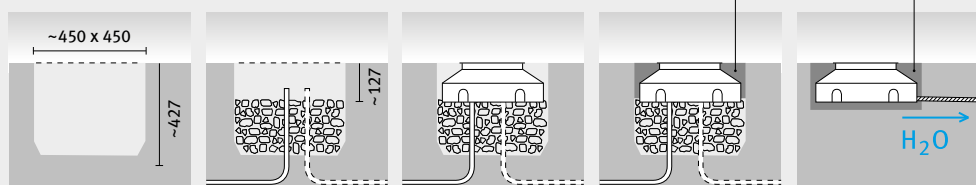


COMPLETE UNIT

1A+1B = please order 2 codes

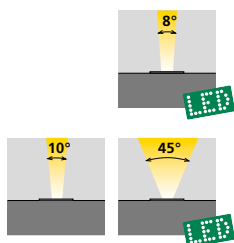
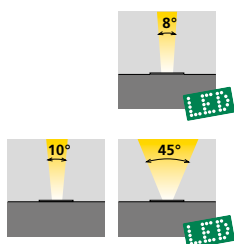
COMPONENTS

- A** gear body
B recessed fixing kit





Δ 2800 kg
< 10 km/h



lampholder W ILCOS colour class IP Kelvin Δ $\uparrow$ $\cos \phi$ $\geq 0,9$ EEI C° EN 60598-2-13 code notes

STEEL SQUARE 28 - 12 LED I 8°

Power LED 220/240 V 50/60 Hz

n. 12 LED - 13,2 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	37	A1 A2 A3 A4 A5	301486
n. 12 LED - 13,2 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	37	A1 A2 A3 A4 A5	301483

STEEL SQUARE 28 - 12 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 12 LED - 13,2 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	37	A1 A2 A3 A4 A5	301492
n. 12 LED - 13,2 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	37	A1 A2 A3 A4 A5	301489

STEEL SQUARE 28 - 18 LED I 8°

Power LED 220/240 V 50/60 Hz

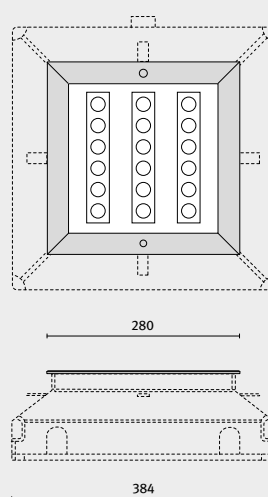
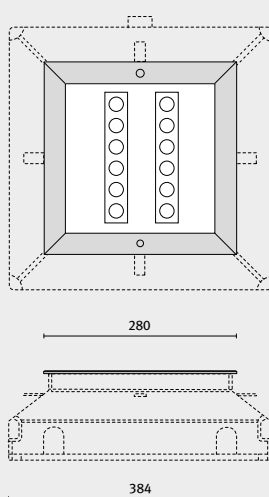
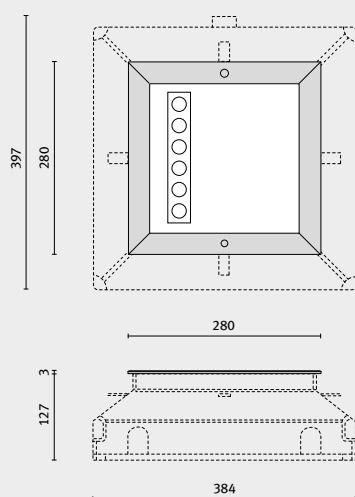
n. 18 LED - 19,8 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	40	A1 A2 A3 A4 A5	301487
n. 18 LED - 19,8 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	40	A1 A2 A3 A4 A5	301484

STEEL SQUARE 28 - 18 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 18 LED - 19,8 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	40	A1 A2 A3 A4 A5	301493
n. 18 LED - 19,8 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	40	A1 A2 A3 A4 A5	301490

If information about Kelvin degrees is provided, this means that the lamp is included.



A1 A2 A3 A4 A5
No Touch Area
Area subject to foot traffic
Area subject to vehicle traffic
Area subject to vehicle traffic Plus
Area subject to foot traffic Touch

STEEL SQUARE 28

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL SQUARE 28

	GX24q-3	1x26 W FSM
	RX7s	1x35 W MD

STEEL SQUARE 28 SIDE

	GX24q-3	1x26 W FSM
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STEEL SQUARE 28/A IMAX 15°

STEEL SQUARE 28/A IMAX 45°

	RX7s	1x35 W MD
	G8,5	1x50 W MT

Range of class I in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm - painted internally in the fluorescent S and C/EW discharge versions
- Extra pure (99.85%) anodised symmetrical reflectors with Imax 15° or Imax 45°
- Silicone gaskets
- Stainless steel screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 2800 kg
< 10 km/h



WATER STOP

Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

description	colour	code
Recessed fixing kit STEEL SQUARE 28		310374

SS1

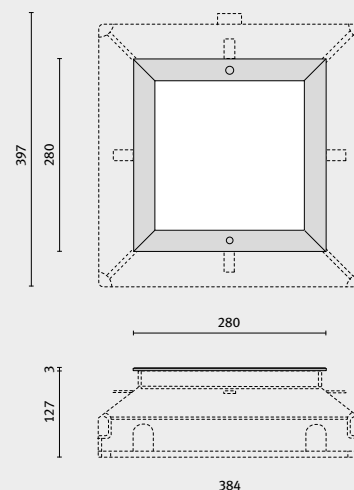


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
- B** recessed fixing kit





STEEL SQUARE 28 has an etched glass diffuser. All other versions (asymmetric) have an extra clear transparent glass diffuser, so as to ensure high lighting engineering performance.

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \varphi \geq 0,9$	EEL	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 28

Fluorescent - electronic ballast 220/240 V 50/60 Hz

GX24q-3	1x26 W	FSM	SS1	I	67	•	IK10 20J xx9	•	47	A1 A2 A3 A4	301473	
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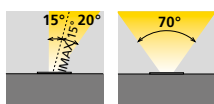
Discharge - electronic ballast 220/240 V 50/60 Hz

RX7s	1x35 W	MD	SS1	I	67	•	3000 IK10 20J xx9	•	75	A1 A2 A3 A4	301479	
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STEEL SQUARE 28 SIDE

Fluorescent - electronic ballast 220/240 V 50/60 Hz

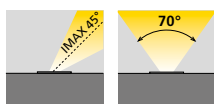
GX24q-3	1x26 W	FSM	SS1	I	67	•	IK10 20J xx9	•	45	A1 A2 A3 A4	301474	
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STEEL SQUARE 28/A IMAX 15°

Discharge - electronic ballast 220/240 V 50/60 Hz

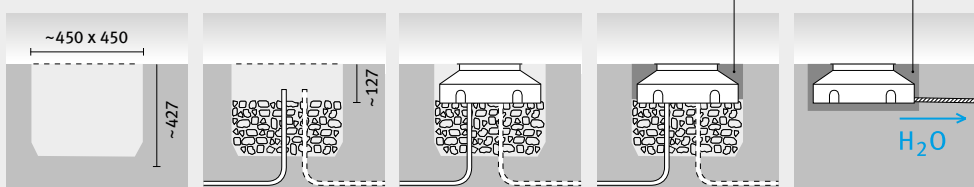
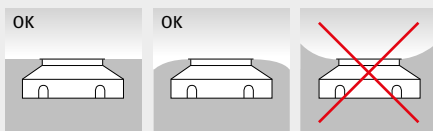
RX7s	1x35 W	MD	SS1	I	67	•	3000 IK10 20J xx9	•	65	A1 A2 A3 A4	301480	
G8,5	1x35 W	MT	SS1	I	67	•	IK10 20J xx9	•	78	A1 A2 A3 A4	301475	
G8,5	1x50 W	MT	SS1	I	67	•	3000 IK10 20J xx9	•	91	A1 A2	301477	



STEEL SQUARE 28/A IMAX 45°

Discharge - electronic ballast 220/240 V 50/60 Hz

RX7s	1x35 W	MD	SS1	I	67	•	3000 IK10 20J xx9	•	61	A1 A2 A3 A4	301481	
G8,5	1x35 W	MT	SS1	I	67	•	IK10 20J xx9	•	75	A1 A2 A3 A4	301476	
G8,5	1x50 W	MT	SS1	I	67	•	3000 IK10 20J xx9	•	86	A1 A2	301478	



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL SQUARE 34 LED

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

STEEL SQUARE 34 SIDE - 8 LED I 8°

	n. 8 LED - 8,8 W
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STEEL SQUARE 34 SIDE - 8 LED ELL 10°X45°

	8 LED - 8,8 W
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STEEL SQUARE 34 - 16 LED I 8°

	16 LED - 17,6 W
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STEEL SQUARE 34 - 16 LED ELL 10°X45°

	16 LED - 17,6 W
--	-----------------

STEEL SQUARE 34 - 24 LED I 8°

	24 LED - 26,4 W
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STEEL SQUARE 34 - 24 LED ELL 10°X45°

	24 LED - 26,4 W
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Range of class I in-ground LED luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm
- Anodised extruded aluminium profile for correct dissipation of the LED light source
- The STEEL SQUARE 34 - LED I versions are characterised by narrow beam lenses with 8° opening
- The STEEL SQUARE 34 LED E 10X45° versions are characterised by elliptical lenses with 10°x45° ellipsoid beam
- The LEDs can be directed independently by rotating the individual bars or simultaneously by rotating the bar support plate
- The SIDE versions have the LED-holder profile positioned at the side
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi$ ≥ 0,9	EEI	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 34 SIDE - 8 LED I 8°

Power LED 220/240 V 50/60 Hz

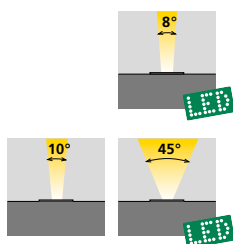
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	32	A1 A2 A3 A4 A5	301504
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	32	A1 A2 A3 A4 A5	301501

STEEL SQUARE 34 SIDE - 8 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 8 LED - 8,8 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	32	A1 A2 A3 A4 A5	301510
n. 8 LED - 8,8 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	32	A1 A2 A3 A4 A5	301507

If information about Kelvin degrees is provided, this means that the lamp is included.



The LEDs are mounted on bars that are adjustable independently and even the plate on which the bars are mounted can be adjusted by 10°.



warm light - 3000 K



cool light - 6000 K

description	colour	code
Recessed fixing kit STEEL SQUARE 34		310379

SS1+WHL



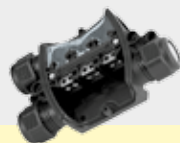
COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

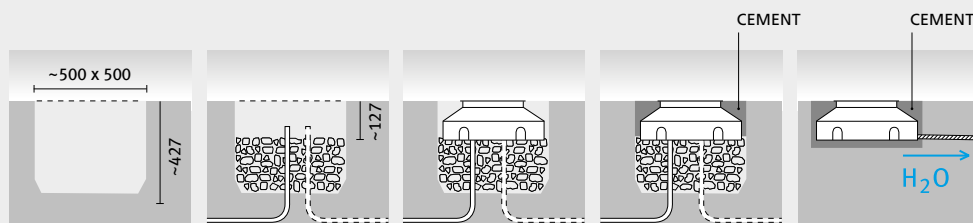
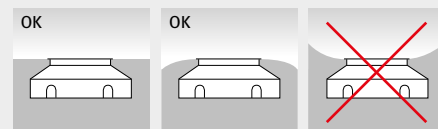
- A gear body
- B recessed fixing kit

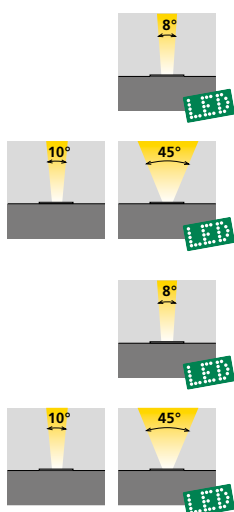
Quick!



QUICK versions

The QUICK versions allow quick installation: they are supplied with the lamp assembled and the WATER STOP system. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.



STEEL SQUARE 34 - 16 LED | 8°Power LED 220/240 V 50/60 Hz

n. 16 LED - 17,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	35	A1	A2	A3	A4	A5	301505
n. 16 LED - 17,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	35	A1	A2	A3	A4	A5	301502

STEEL SQUARE 34 - 16 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 16 LED - 17,6 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	35	A1	A2	A3	A4	A5	301511
n. 16 LED - 17,6 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	35	A1	A2	A3	A4	A5	301508

STEEL SQUARE 34 - 24 LED | 8°

Power LED 220/240 V 50/60 Hz

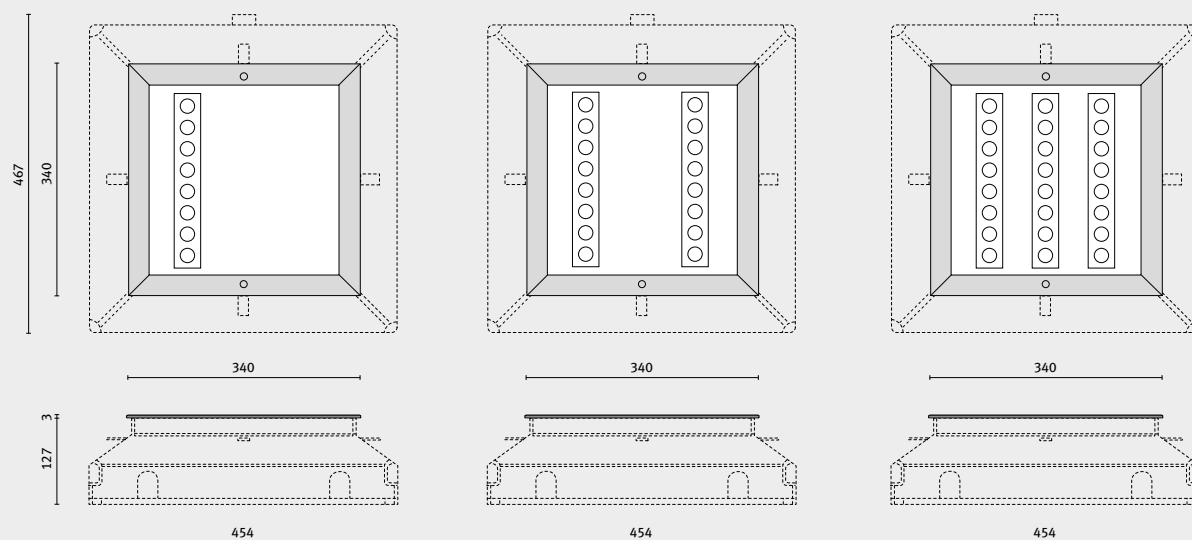
n. 24 LED - 26,4 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	36	A1	A2	A3	A4	A5	301506
n. 24 LED - 26,4 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	36	A1	A2	A3	A4	A5	301503

STEEL SQUARE 34 - 24 LED ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 24 LED - 26,4 W	SS1+WHL	I	67	• 6000	IK10 20J xx9	36	A1	A2	A3	A4	A5	301512
n. 24 LED - 26,4 W	SS1+WHL	I	67	• 3000	IK10 20J xx9	36	A1	A2	A3	A4	A5	301509

If information about Kelvin degrees is provided, this means that the lamp is included.



A1	A2	A3	A4	A5
No Touch Area				
	Area subject to foot traffic			
		Area subject to vehicle traffic		
			Area subject to vehicle traffic Pluss	
				Area subject to foot traffic Touch

STEEL SQUARE 34

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

STEEL SQUARE 34 SIDE

 GX24q-4 1x42 W FSM

STEEL SQUARE 34

 GX24q-4 1x42 W FSM

 RX7s 1x70 W MD

STEEL SQUARE 34/A IMAX 15°

STEEL SQUARE 34/A IMAX 45°

 RX7s 1x70 W MD

 G8,5 1x70 W MT

Range of class I in-ground luminaires, consisting of:

- Black painted anodised die-cast aluminium body
- Optic compartment separate from the power compartment for better heat control
- Precision-cast stainless steel trim
- Extra-clear tempered flat glass diffuser - thickness 12 mm - painted internally in the fluorescent S and C/EW discharge versions
- Extra pure (99.85%) anodised symmetrical reflectors with Imax 15° or Imax 45°
- Silicone gaskets
- Stainless steel fastening screws
- WATER STOP connection system to the watertight network
- Technopolymer recessed fixing kit designed to encourage water drainage through the WATER DRAIN system. The recessed fixing kit is also equipped with a removable cover, with two spirit levels inside to facilitate the installation of the recessed fixing kit
- The luminaire requires recessed fixing kit which must be ordered separately



Δ 2200 kg
< 10 km/h



WATER STOP

description	colour	code
Recessed fixing kit STEEL SQUARE 34		310379

SS1

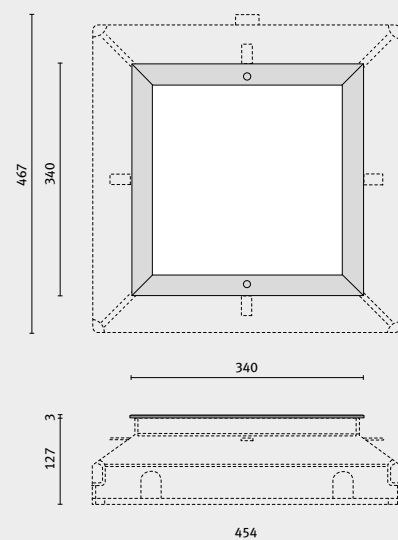


COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

- A** gear body
B recessed fixing kit





STEEL SQUARE 34 has an etched glass diffuser. All other versions (asymmetric) have an extra clear transparent glass diffuser, so as to ensure high lighting engineering performance.

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi \geq 0,9$	EEL	C°	EN 60598-2-13	code	notes
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STEEL SQUARE 34

Fluorescent - electronic ballast 220/240 V 50/60 Hz

GX24q-4	1x42 W	FSM	SS1	I	67	•	IK10 20J xx9	•	58	A1 A2 A3 A4	301494	
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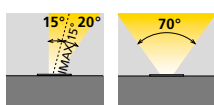
Discharge - electronic ballast 220/240 V 50/60 Hz

RX7s	1x70 W	MD	SS1	I	67	•	IK10 20J xx9	•	113	A1	301498	
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STEEL SQUARE 34 SIDE

Fluorescent - electronic ballast 220/240 V 50/60 Hz

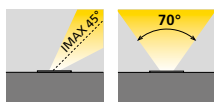
GX24q-4	1x42 W	FSM	SS1	I	67	•	IK10 20J xx9	•	60	A1 A2 A3 A4	301495	
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STEEL SQUARE 34/A IMAX 15°

Discharge - electronic ballast 220/240 V 50/60 Hz

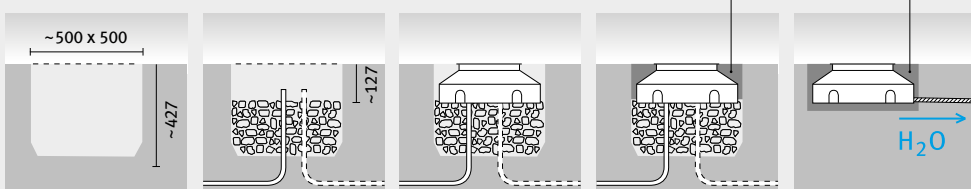
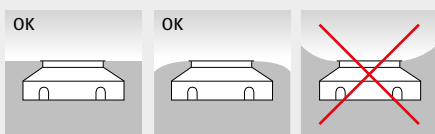
RX7s	1x70 W	MD	SS1	I	67	•	IK10 20J xx9	•	116	A1	301499	
G8,5	1x70 W	MT	SS1	I	67	•	IK10 20J xx9	•	113	A1	301496	



STEEL SQUARE 34/A IMAX 45°

Discharge - electronic ballast 220/240 V 50/60 Hz

RX7s	1x70 W	MD	SS1	I	67	•	IK10 20J xx9	•	116	A1	301500	
G8,5	1x70 W	MT	SS1	I	67	•	IK10 20J xx9	•	113	A1	301497	

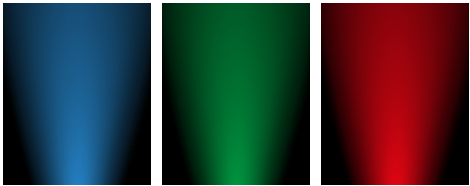


A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch

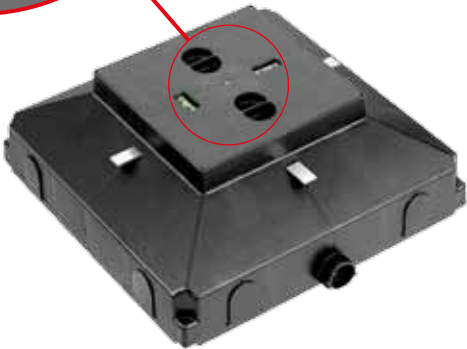
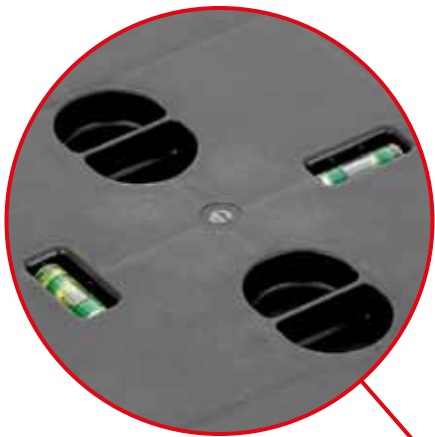
STEEL SQUARE

ACCESSORIES

description	colour	code
Color filter blue STEEL SQUARE 20	BL1	310373
Color filter green STEEL SQUARE 20	GN1	310372
Color filter red STEEL SQUARE 20	RD1	310370
Color filter amber STEEL SQUARE 20	AM1	310371
Color filter blue STEEL SQUARE 28	BL1	310378
Color filter green STEEL SQUARE 28	GN1	310377
Color filter red STEEL SQUARE 28	RD1	310375
Color filter amber STEEL SQUARE 28	AM1	310376
Color filter blue STEEL SQUARE 34	BL1	310383
Color filter green STEEL SQUARE 34	GN1	310382
Color filter red STEEL SQUARE 34	RD1	310380
Color filter amber STEEL SQUARE 34	AM1	310381
Recessed fixing kit STEEL SQUARE 20		310369
Recessed fixing kit STEEL SQUARE 28		310374
Recessed fixing kit STEEL SQUARE 34		310379



	Diffuser BL1 STEEL SQUARE 20 cod. 310373	Diffuser GN1 STEEL SQUARE 20 cod. 310372	Diffuser RD1 STEEL SQUARE 20 cod. 310370
STEEL SQUARE 20 cod. 301459	•	•	•
STEEL SQUARE 20/A IMAX 15° cod. 301460	•	•	•
STEEL SQUARE 28 SIDE cod. 301474			
STEEL SQUARE 28/A IMAX 15° cod. 301480 - 301475 - 301477			
STEEL SQUARE 28/A IMAX 45° cod. 301481 - 301476 - 301478			
STEEL SQUARE 34 SIDE cod. 301495			
STEEL SQUARE 34/A IMAX 15° cod. 301496 - 301499			
STEEL SQUARE 34/A IMAX 45° cod. 301500 - 301497			



All STEEL SQUARE recessed fixing kits are equipped with a cover with a spirit level to facilitate correct position during installation.



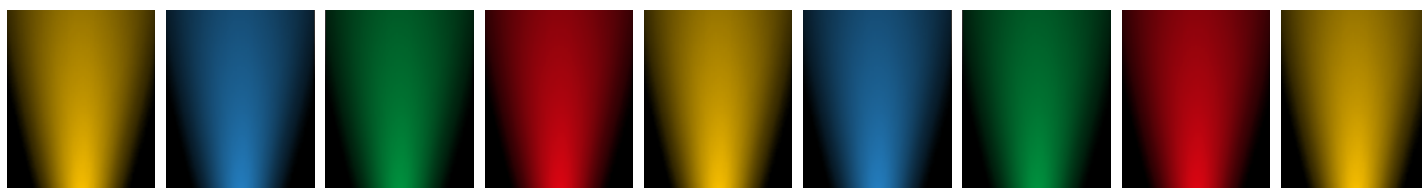
310369



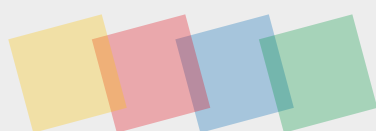
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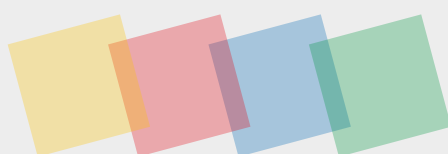
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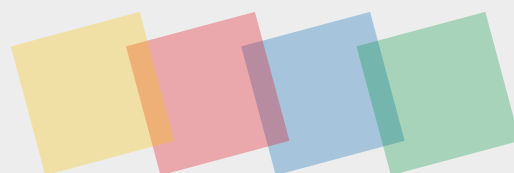
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	•	•	•	•				
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310371 **310370** **310373** **310372**



310376 **310375** **310378** **310377**



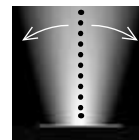
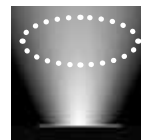
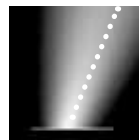
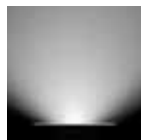
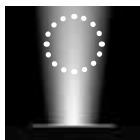
310381 **310380** **310383** **310382**

STEEL SQUARE

SUMMARY OF FEATURES



	Luminaire resistant to walk-over	Luminaire resistant to drive-over	WATER STOP connection
 STEEL SQUARE 20 SIDE - 3 LED I 8°	•	•	•
 STEEL SQUARE 20 SIDE - 3 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 20 - 3 LED I 8°	•	•	•
 STEEL SQUARE 20 - 3 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 20 - 6 LED I 8°	•	•	•
 STEEL SQUARE 20 - 6 LED ELL 10°X45°	•	•	•
STEEL SQUARE 20	•	•	•
STEEL SQUARE 20/A IMAX 15°	•	•	•
 STEEL SQUARE 28 SIDE - 6 LED I 8°	•	•	•
 STEEL SQUARE 28 SIDE - 6 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 28 - 12 LED I 8°	•	•	•
 STEEL SQUARE 28 - 12 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 28 - 18 LED I 8°	•	•	•
 STEEL SQUARE 28 - 18 LED ELL 10°X45°	•	•	•
STEEL SQUARE 28	•	•	•
STEEL SQUARE 28 SIDE	•	•	•
STEEL SQUARE 28/A IMAX 15°	•	•	•
STEEL SQUARE 28/A IMAX 45°	•	•	•
 STEEL SQUARE 34 SIDE - 8 LED I 8°	•	•	•
 STEEL SQUARE 34 SIDE - 8 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 34 - 16 LED I 8°	•	•	•
 STEEL SQUARE 34 - 16 LED ELL 10°X45°	•	•	•
 STEEL SQUARE 34 - 24 LED I 8°	•	•	•
 STEEL SQUARE 34 - 24 LED ELL 10°X45°	•	•	•
STEEL SQUARE 34	•	•	•
STEEL SQUARE 34 SIDE	•	•	•
STEEL SQUARE 34/A IMAX 15°	•	•	•
STEEL SQUARE 34/A IMAX 45°	•	•	•



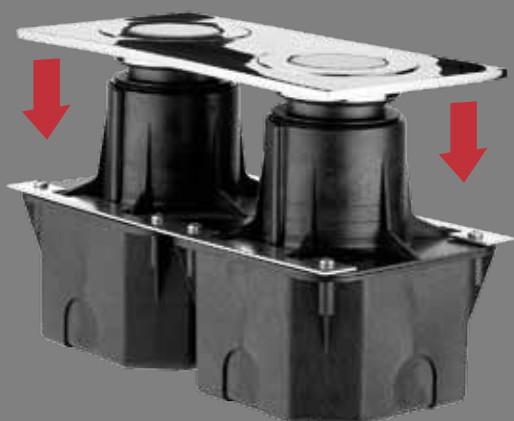
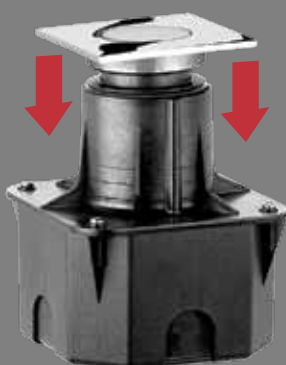
WATER DRAIN system	LED versions	QUICK versions	Circular optic	Symmetric optic	Asymmetric optic	Elliptical optic	Adjustable optics
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•							•
•					A15°/M		
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•		•	C/EW 100°	S/EW 100°			
•					•		
•		•			A15°/W		
•		•			A45°/W		
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•	•	•	C/I 8°				•
•	•	•				ELL 10° x 45°	•
•			C/EW 100°	S/EW 100°			
•					•		
•					A15°/W		
•					A45°/W		

STEEL MINI



> Depth of recessed fixing kit 137 mm

> LED



STEEL MINI QUADRO

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

	1 LED 6° - 2,4 W
	1 LED 45° - 2,4 W
	9 LED 120° - 1,5 W

Series of class III inground luminaires comprising of:

- Housing in self-extinguishing techno-polymer
- Clear glass cover
- Precision-cast stainless steel cover
- Silicone seal
- Stainless steel fastening screws
- Each luminaire is supplied with two IP68 cable clamps allowing through power connection
- STEEL MINI QUADRO is available with 9 LEDs with a 12 V direct current supply, or with 1 power LED with a stabilised 700 mA direct current supply, to be exclusively connected in line, without interrupting the secondary circuit
- RGB power versions available upon request
- STEEL MINI QUADRO is preset for individual or continuous line power supply (see diagram)
- The luminaire comprises a body with lamps and the appropriate recessing kit. (see accessories)

○○○

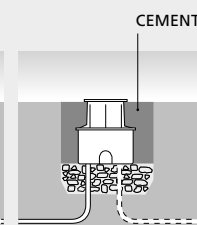
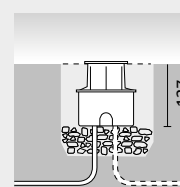
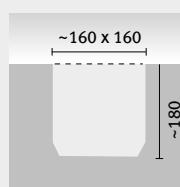
SS1+WHL



COMPLETE UNIT

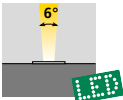
1A+1B = please order 2 codes

COMPONENTS	CODES
A gear body	
B recessed fixing kit	> pag. 243





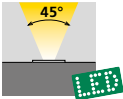
lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ $\geq 0,9$	EEL	C°	EN 60598-2-13	code	notes
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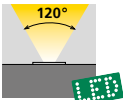
STEEL MINI QUADRO

Power LED

n. 1 LED - 6° 2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001162
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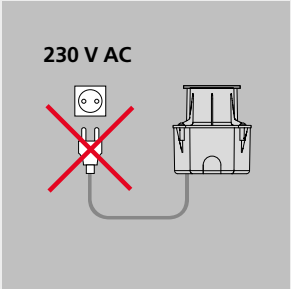
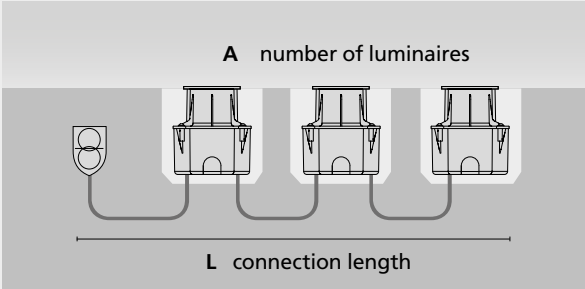
n. 1 LED - 45° 2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001164
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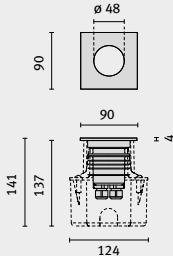
LED voltage

n. 9 LED - 120° 1,5 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	35	A1 A2 A5	001160
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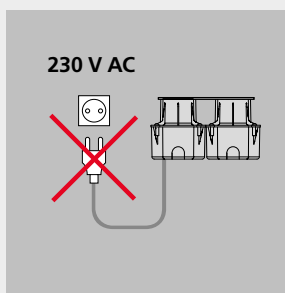
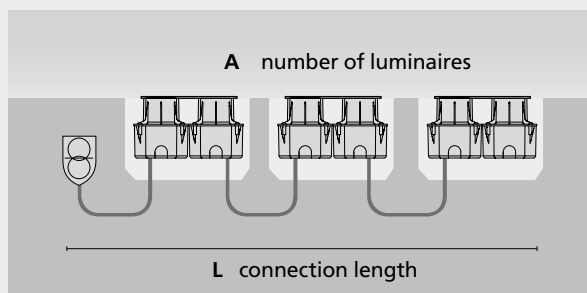
If information about Kelvin degrees is provided, this means that the lamp is included.



STEEL MINI QUADRO	L	A	
9 LED 12 V - 1,5 W	max 120 m	max 6	12 V DC
1 LED - 2,4 W	max 100 m	max 5	700 mA DC



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL MINI DUPLEX	L	A	
9+9 LED 12 V - 3 W	max 120 m	max 3	12 V DC
1+1 LED - 4,8 W	max 100 m	max 2	700 mA DC



STEEL MINI DUPLEX

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

	1+1 LED 6° - 2,4 W+2,4 W
	1+1 LED 45° - 2,4 W+2,4 W
	9+9 LED 120° - 1,5 W+1,5 W

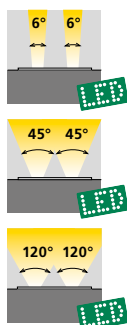
Series of class III inground luminaires comprising of:

- Housing in self-extinguishing techno-polymer
- Clear glass cover
- Precision cast stainless steel cover
- Silicone seal
- Stainless steel fastening screws
- Each luminaire is complete with two + two IP68 cable clamps allowing through wiring connection
- STEEL MINI DUPLEX is available with 9+9 LEDs with a 12 V Direct Current supply, or with power LEDs at stabilised 700 mA DC supply, to be exclusively connected in line without interrupting the secondary circuit between the two luminaires
- RGB power versions available upon request

- STEEL MINI DUPLEX is preset for individual or continuous line power supply (see diagram)
- The luminaire comprises a body with lamps and the appropriate recessing kit. (see accessories)



lampholder	W	ILCOS	colour	class	IP	Kelvin	↑	Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
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STEEL MINI DUPLEX

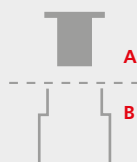
Power LED

n. 1+1 LED - 6° 2,4 W+2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001152
n. 1+1 LED - 45° 2,4 W+2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001154

LED voltage

n. 9+9 LED - 120° 1,5 W+1,5 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	35	A1 A2 A5	001150
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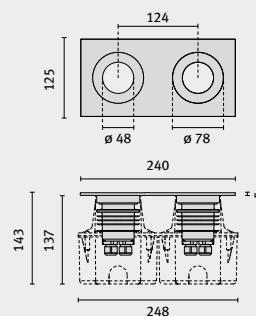
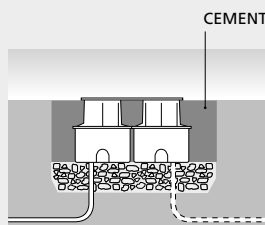
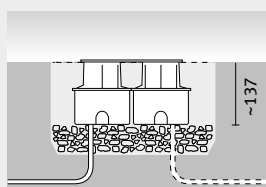
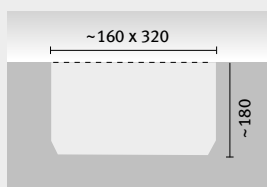
If information about Kelvin degrees is provided, this means that the lamp is included.



COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS	CODES
A gear body	
B recessed fixing kit	> pag. 243



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL MINI VISA 90°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

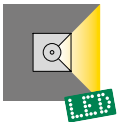
	1 LED 140° - 1,2 W
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Series of class III inground luminaires
comprising of:

- Housing in self-extinguishing techno-polymer
- Diffuser in UV stabilized transparent polycarbonate
- Precision-cast stainless steel cover
- Silicone seal
- Stainless steel fastening screws
- Each luminaire is supplied with two IP68 cable clamps allowing through wiring connection
- STEEL MINI VISA is available with 1 LED for VISA 90° or 2 LEDs for VISA 180°; stabilised direct current supply 350 mA , to be exclusively connected in line without interrupting the secondary circuit
- STEEL MINI VISA is preset for individual or continuous line power supply (see diagram)
- The luminaire comprises a body with lamps and the appropriate recessing kit. (see accessories)



lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEI	C°	EN 60598-2-13	code	notes
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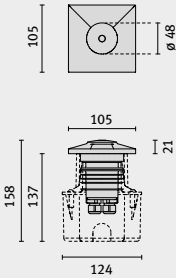
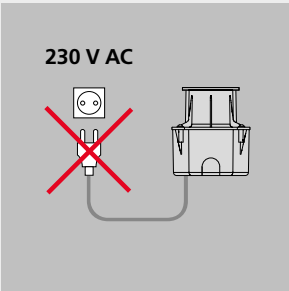
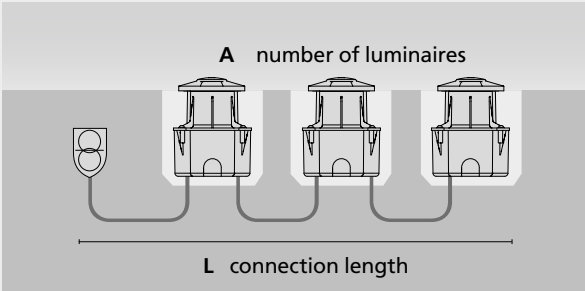
STEEL MINI VISA 90°

Power LED

n. 1 LED - 140° 1,2 W	SS1+WHL	III	67	•	4000	IK09 10J xx7	37	A1 A2 A5	001170
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If information about Kelvin degrees is provided, this means that the lamp is included.

SS1+WHL



STEEL MINI VISA 90°	L	A	
1 LED - 1,2 W	100 m	max 6	350 mA DC

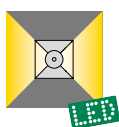


STEEL MINI VISA 180°

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION



2 LED 140° - 2,4 W

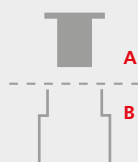


STEEL MINI VISA 180°

Power LED

lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi$ $\geq 0,9$	EEI	C°	EN 60598-2-13	code	notes
n. 2 LED - 140°	2,4 W	SS1+WHL	III	67	•	4000	IK09 10J xx7	39	A1 A2 A5		001175	

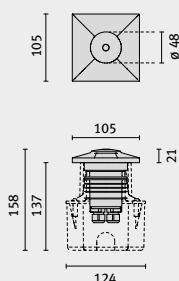
If information about Kelvin degrees is provided, this means that the lamp is included.



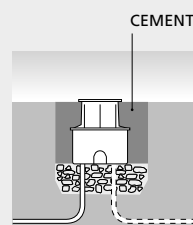
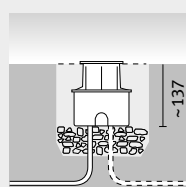
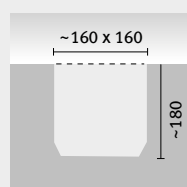
COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS	CODES
A gear body	
B recessed fixing kit	> pag. 243



STEEL MINI VISA 180°	L	A	
2 LED - 2,4 W	100 m	max 3	350 mA DC



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



STEEL MINI ROUND

LUMINAIRE THAT REQUIRES A
FIXING KIT FOR INSTALLATION

	1 LED - 6° 2,4 W
	1 LED - 45° 2,4 W
	9 LED - 120° 1,5 W

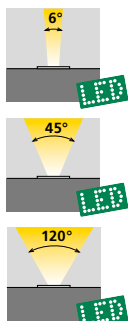
Series of class III inground luminaires comprising of:

- Housing in self-extinguishing techno-polymer
- Clear glass cover
- Precision-cast stainless steel cover
- Silicone seal
- Stainless steel fastening screws
- Each luminaire is supplied with two IP68 cable clamps allowing through power connection
- STEEL MINI ROUND is available with 9 LEDs with a 12 V direct current supply, or with 1 power LED with a stabilised 700 mA direct current supply, to be exclusively connected in line, without interrupting the secondary circuit

- RGB power versions available upon request
- STEEL MINI ROUND is preset for individual or continuous line power supply (see diagram)
- The luminaire comprises a body with lamps and the appropriate recessing kit. (see accessories)



lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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STEEL MINI ROUND

Power LED

n. 1 LED - 6° 2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001177
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n. 1 LED - 45° 2,4 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	40	A1 A2 A5	001179
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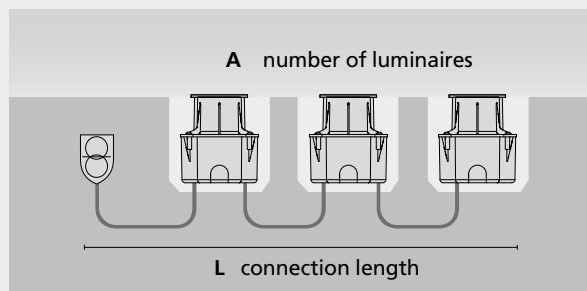
LED voltage

n. 9 LED - 120° 1,5 W	SS1+WHL	III	67	• 6000	IK07 2J xx5	35	A1 A2 A5	001181
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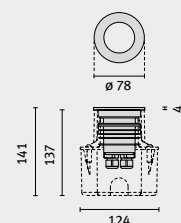
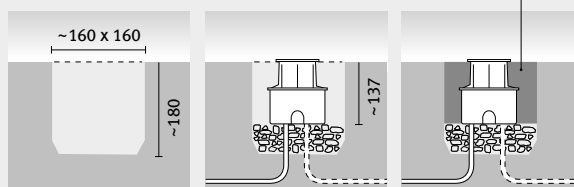
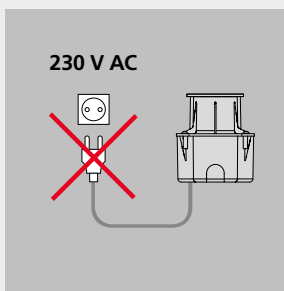
If information about Kelvin degrees is provided, this means that the lamp is included.

SS1+WHL

SS1+WHL



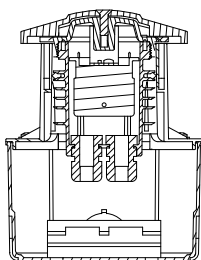
STEEL MINI ROUND	L	A	
9 LED 12 V - 1,5 W	max 120 m	max 6	12 V DC
1 LED - 2,4 W	max 100 m	max 5	700 mA DC



STEEL MINI

ACCESSORIES

- Single recessed fixing kit (for Steel Mini Quadro and Steel Mini Visa) and double recessed fixing kit (for Steel Mini Duplex) in self-extinguishing techno-polymer
- Box IP67, for recessed installation, with 9W and 40W electronic LED converter, stabilized output current 12V DC, to be installed in a protected area (see instructions)
- Box IP67, for recessed installation, with 17W electronic LED converter, stabilized output current 700mA DC, to be installed in a protected area (see instructions)
- Box IP67, for recessed instalment, with 10W electronic LED converter, constant output current 350 mA DC, to be installed in a protected area (see instructions)



description	colour	code
Single recessed fixing kit		000350
Double recessed fixing kit		000351
Kit IP67 driver kit with voltage 220/240 V 12 V 8 W		000352
Kit IP67 driver kit with current 220/240 V 700 mA 16 W		000353
Kit IP67 driver kit with current 220/240 V 350 mA 10 W		000354

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

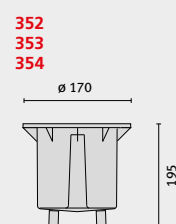
- A** gear body
B recessed fixing kit



350



351



352
353
354

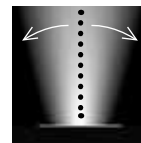
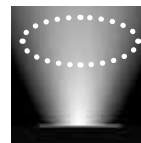
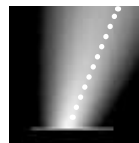
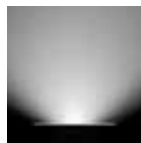
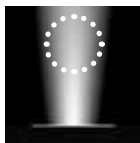
A1 No Touch Area
A2 Area subject to foot traffic
A3 Area subject to vehicle traffic
A4 Area subject to vehicle traffic Plus
A5 Area subject to foot traffic Touch

STEEL MINI

SUMMARY OF FEATURES



		Luminaire resistant to walk-over	Luminaire resistant to drive-over	WATER STOP connection
	STEEL MINI QUADRO	•		
	STEEL MINI DUPLEX	•		
	STEEL MINI VISA 90°	•		
	STEEL MINI VISA 180°	•		
	STEEL MNI ROUND	•		



WATER DRAIN system	LED versions	QUICK versions	Circular optic	Symmetric optic	Asymmetric optic	Elliptical optic	Adjustable optics
	•		C/I - C/M - C/EW				•
	•		C/I - C/M - C/EW				•
	•						
	•						
	•		C/I - C/M - C/EW				•



STEEL MOVI



> Depth of recessed fixing kit
630 mm

> LED



STEEL MOVI

3 LED - 3,3 W

6 LED - 6,6 W

Motorised, in-ground luminaire, which only appears when its light is required. When off, MOVI disappears, allowing maximum freedom of use of spaces. It consists of:

- Polyester powder-painted die-cast aluminium body
- Precision cast stainless steel trim and cover
- Available with 3 LEDs or 6 LEDs with 10°x45° elliptical lens to ensure correct distribution of the luminous flux on the ground
- Technopolymer diffuser
- EPDM gaskets
- Stainless steel fastening screws

- Technopolymer recessed fixing kit
- WATER STOP connection system to the watertight network
- Requires drainage
- Cascade connection possible
- Caution: it is advisable to check the area where the luminaire descends into the ground, to ensure it is clean and free from stones and other debris
- Normal fertilisers available for green areas may harm the aesthetic finish of the product, so take great care when using them

lampholder W ILCOS colour class IP Kelvin C° EEI code notes

STEEL MOVI ELL 10°X45°

Power LED 220/240 V 50/60 Hz

n. 3 LED - 3,3 W	SS1+WHL	I	67	• 4000	IK08 5J xx5	34	A2÷A3	301393
n. 6 LED - 6,6 W	SS1+WHL	I	67	• 4000	IK08 5J xx5	34	A2÷A3	301392

If information about Kelvin degrees is provided, this means that the lamp is included.

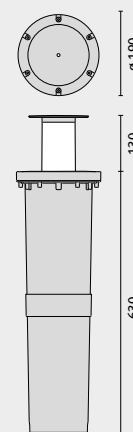
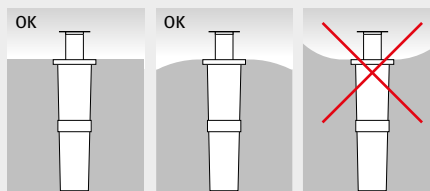
Quick!

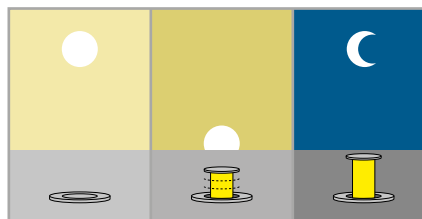


QUICK versions

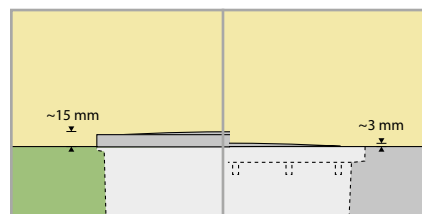
The QUICK versions allow quick installation: they are supplied with the lamp assembled and junction box. It is therefore not necessary to open the luminaire, but simply connect external power to have a working luminaire.

SS1+WHL

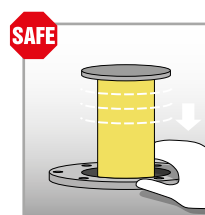
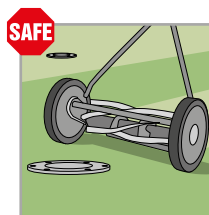




Wiring option: if STEEL MOVI is connected to a photocell or time clock, the switching can be automated.



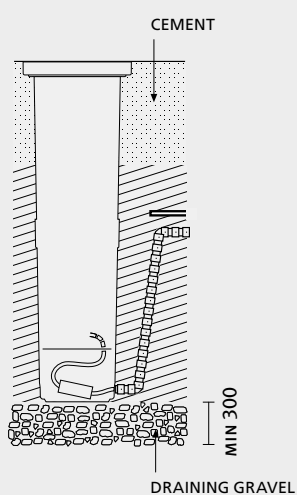
By using the additional plastic ring, you have the possibility to mount STEEL MOVI to ground level.



With the correct mounting of STEEL MOVI in a grassed area when recessed, grass can be cut easily without any obstacles.

Should an object impede closure of STEEL MOVI as it is retracting, the protective metallic cover will detach ensuring the main body of the fitting still descends inside its housing. Once obstacle is removed, the metal cover can easily be re-attached.

When a weight is placed on top of the STEEL MOVI, restricting its upward movement, the fitted safety sensor restricts the movement of the fitting. When weight is removed it will operate normally.



LED

WAYLIGHT

Prisma Architectural design



WAYLIGHT is a system of inground luminaires in five different lengths, designed for continuous connections. With WAYLIGHT, it is possible to create illuminated lines of any length, by placing several luminaires in a continuous line. All luminaires are available with symmetrical or asymmetrical light emission, with fluorescent lamps or LEDs in white and blue.

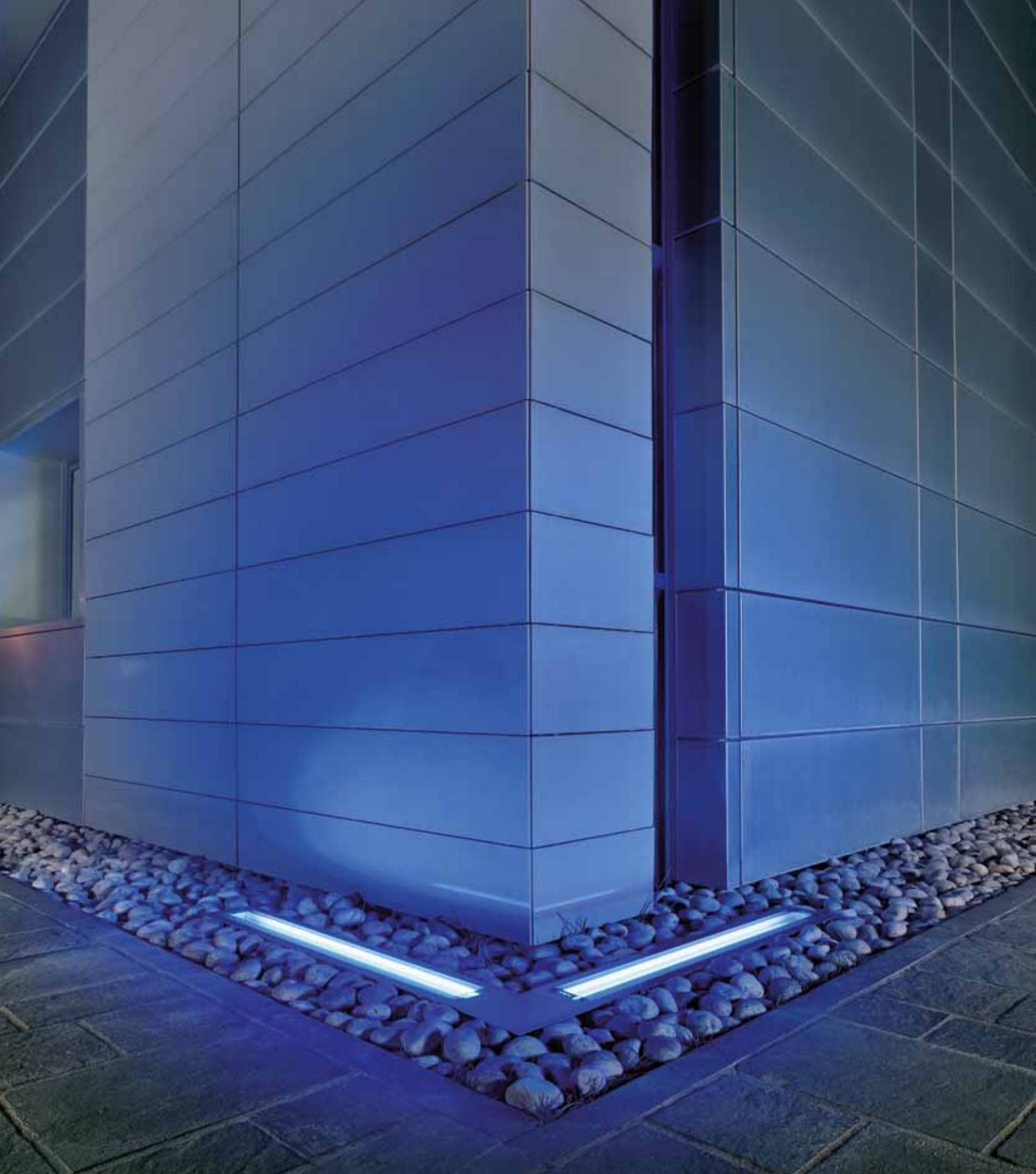
In the WAYLIGHT system, simplicity in shape and high level performance go hand in hand to provide a source of lighting for buildings and other vertical structures, especially in public areas. Custom length luminaires may be realized upon request.

All luminaires are designed according to the EN 60598-2-13 2008 standard.



WAYLIGHT is also available in emergency models (WAYLIGHT 650/S EM/1P - WAYLIGHT 950/S EM/1P).

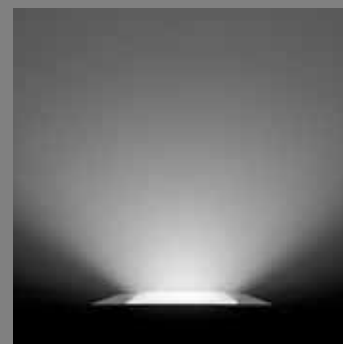




WAYLIGHT luminaires are designed to prevent humidity and condensation inside the luminaire bodies under particular thermal conditions. This safeguards the wiring, which is clearly an advantage as far as luminaire safety and reliability are concerned.

Consult the technical department for any questions about variations of the standard luminaires.

WAYLIGHT system is available as standard in five lengths, for alternative options please contact our technical department.



All WAYLIGHT models are available with symmetrical light emission.



All WAYLIGHT models are available with asymmetrical light emission, which involves partially screening the diffuser.



Fluorescent T5 lamps can give WAYLIGHT interesting shades of coloured light, and add a decorative touch to the light output of fluorescent light.

The WAYLIGHT 420, 650 and 950 models are available with LEDs in white and blue (other colours upon request).

Series of walkover in-ground luminaires for illumination of vertical structures.

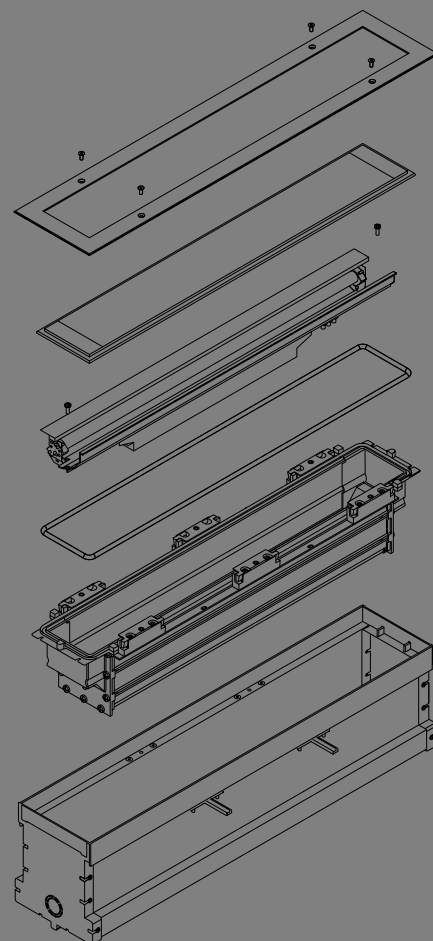
- Housing in extruded aluminium
- End caps in die-cast aluminium
- Decorative frame in stainless steel
- 8mm thick clear toughened glass cover with silk screening finish
- Transparent silicone gasket between housing and diffuser
- Reflectors for Asymmetrical and Symmetrical set-ups in silver/satin finished anodized aluminium
- Wiring with fluorescent lamps or LEDs in white or blue; other colours upon request

- The 420 model is also available with a wiring for metal halide discharge lamps
- Stainless steel locking screws
- Watertight connection systems and device for cascade wiring connections
- For more details, consult the Prisma Architectural Technical Office
- The luminaire is assembled by putting together the cabled structure and the matching recessed fixing kit

- Recessed fixing kit in self-extinguishing extruded techno-polymer V-2, to be ordered separately. A protective cover is supplied with the recessed fixing kit. After masonry work is done, remove cover for installation of luminaire.

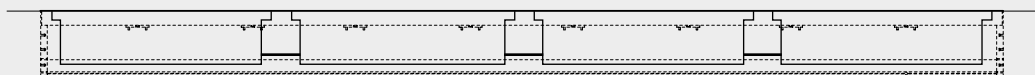
DESCRIPTION		MAXIMUM LIMIT APPLICATION load following CEI EN 60598-2-13 standards	GLASS TEMPERATURE °C	SPECIAL AREAS RESTRICTIONS (GLASS TEMPERATURE)
WAYLIGHT 420	3 LED 45° 3,2 W	Driveover, no limitations (20 kN)	40°	no
	1x24 W FSD	Driveover, no limitations (20 kN)	55°	yes
WAYLIGHT 420/A	6 LED x 7,5 W	Driveover, no limitations (20 kN)	35°	no
	10 LED x 1,2 W	Driveover, no limitations (20 kN)	35°	no
	2x20 W MT	Driveover, no limitations (20 kN)	80°	yes
WAYLIGHT 420/S	2x20 W MT	For pedestrians or bicycles only (20 kN)	90°	yes
WAYLIGHT 650/A	12 LED x 15 W	Driveover, no limitations (20 kN)	35°	no
	20 LED x 2,4 W	Driveover, no limitations (20 kN)	35°	no
	1x24 W FDH	Driveover, no limitations (20 kN)	45°	yes
WAYLIGHT 650/S	1x24 W FDH	Driveover, no limitations (20 kN)	50°	yes
WAYLIGHT 950/A	18 LED x 22,5 W	Driveover, no limitations (20 kN)	35°	no
	1x39 W FDH	Driveover, no limitations (20 kN)	50°	yes
WAYLIGHT 950/S	1x39 W FDH	Driveover, no limitations (20 kN)	55°	yes
WAYLIGHT 1250/A	1x54 W FDH	Driveover, no limitations (20 kN)	55°	yes
WAYLIGHT 1250/S	1x54 W FDH	Driveover, no limitations (20 kN)	60°	yes
WAYLIGHT 1550/A	1x80 W FDH	Driveover, no limitations (20 kN)	45°	yes
WAYLIGHT 1550/S	1x80 W FDH	Driveover, no limitations (20 kN)	50°	yes

No limitations for fixture projection



The WAYLIGHT system can also be wall mounted. In this case, the asymmetrical models are recommended.

It is possible to wire several WAYLIGHT luminaires in a continuous connection, even inside a single fixing kit, made according to specifications for the project. For more details, consult the technical department.





WAYLIGHT 420

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

WAYLIGHT 420

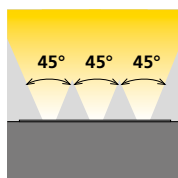
	3 LED 45° - 7,2 W
	2G11 1x24 W FSD

WAYLIGHT 420/A

	10 LED - 1,2 W
	6 LED - 7,5 W
	GU6,5 2x20 W MT

WAYLIGHT 420/S

	GU6,5 2x20 W MT
--	-----------------



In the 420 model, the LEDs have a 45° beam



Designed according to the EN 60598-2-13 2008 standard

lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ	EEI	C°	EN 60598-2-13	code	notes
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WAYLIGHT 420

Power LED 220/240 V 50/60 Hz

3 LED 45° - 7,2 W	SS1+WHL	I	67	•	•	6000	IK09 10J xx7	40	A1 A2 A3 A4 A5	307207	
2G11 1x24 W FSD	SS1	I	67	•	•		IK09 10J xx7	A2÷A3 55	A1 A2 A3 A4	3072085	

WAYLIGHT 420/A

Power LED 220/240 V 50/60 Hz

6 LED - 7,5 W	SS1+WHL	I	67	•	•	6000	IK09 10J xx7	35	A1 A2 A3 A4 A5	307202	
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LED voltage 220/240 V 50/60 Hz

10 LED - 1,2 W	SS1+WHL	I	67	•	•	6000	IK09 10J xx7	35	A1 A2 A3 A4 A5	307204	
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Discharge - electronic ballast 220/240 V 50/60 Hz

GU6,5 2x20 W MT	SS1	I	67	•	•		IK09 10J xx7	•	A1 A2 A3 A4	3072005	
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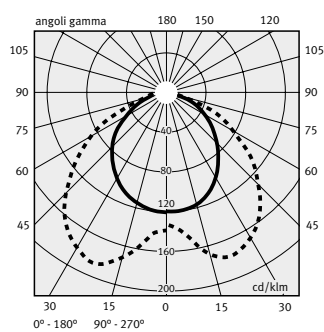
WAYLIGHT 420/S

Discharge - electronic ballast 220/240 V 50/60 Hz

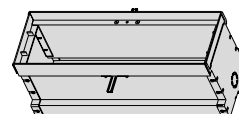
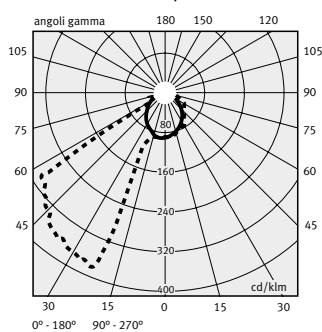
GU6,5 2x20 W MT	SS1	I	67	•	•		IK09 10J xx7	•	A1 A2	3072055	
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If information about Kelvin degrees is provided, this means that the lamp is included.

WAYLIGHT 420
1x24 W FSD



WAYLIGHT 420/A
10 LED - 1,2 W



description	colour	code
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Recessed fixing kit L420		310001
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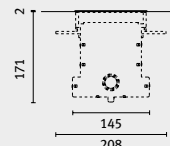
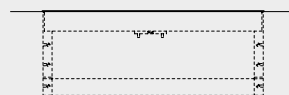
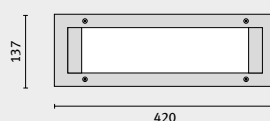
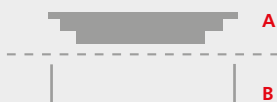
SS1 SS1+WHL SS1+BLL

COMPLETE UNIT

1A+1B = please order 2 codes

COMPONENTS

A	gear body
B	recessed fixing kit



A1	A2	A3	A4	A5
No Touch Area	Area subject to foot traffic	Area subject to vehicle traffic	Area subject to vehicle traffic Plus	Area subject to foot traffic Touch



WAYLIGHT 650 WAYLIGHT 950

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

WAYLIGHT 650/A

	12 LED - 15 W
	20 LED - 2,4 W
	1x24 W FDH

WAYLIGHT 650/S WAYLIGHT 650/S EM/1P

	1x24 W FDH
--	------------

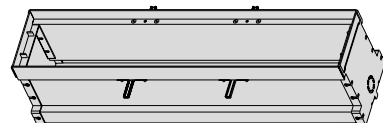
WAYLIGHT 950/A

	18 LED - 22,5 W
	1x39 W FDH

WAYLIGHT 950/S WAYLIGHT 950/S EM/1P

	1x39 W FDH
--	------------

Designed according to the
EN 60598-2-13 2008 standard



description	colour	code
Recessed fixing kit L650		310002
Recessed fixing kit L950		310003

SS1

SS1+WHL

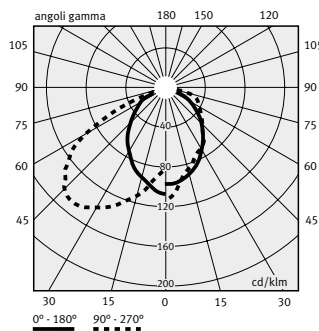
COMPLETE UNIT

1A+1B = please order 2 codes

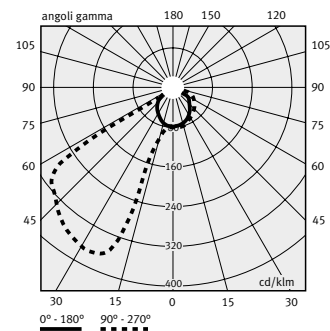
COMPONENTS
A gear body
B recessed fixing kit



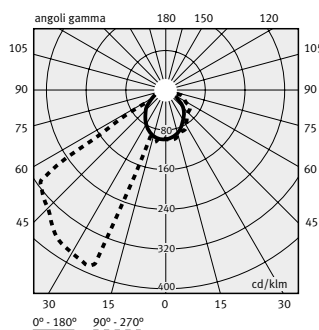
WAYLIGHT 650/A
1x24 W T5 FH FD



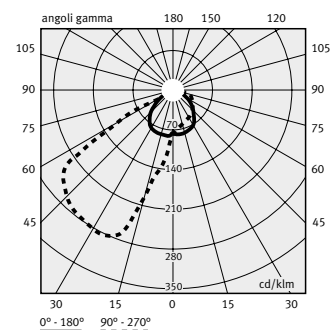
WAYLIGHT 650/A
12 LED - 15 W



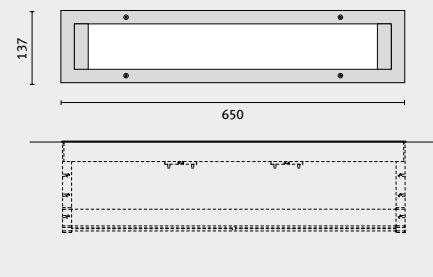
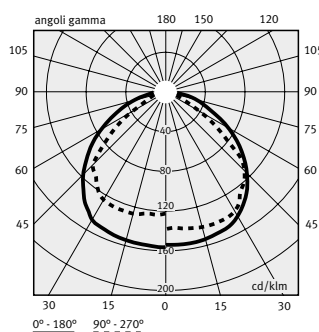
WAYLIGHT 650/A
20 LED - 2,4 W



WAYLIGHT 950/A
18 LED - 22,5 W



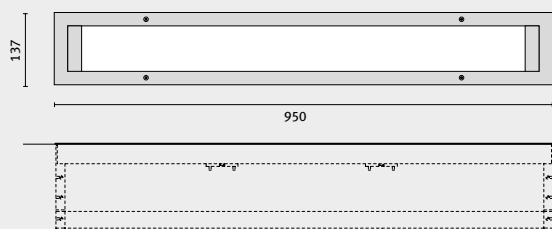
WAYLIGHT 950/S
1x39 W T5 FDH





lampholder	W	ILCOS	colour	class	IP	Kelvin	Cos φ ≥ 0,9	EEL	C°	EN 60598-2-13	code	notes
WAYLIGHT 650/A												
LED voltage 220/240 V 50/60 Hz												
20 LED - 2,4 W		SS1+WHL	I	67	• •	6000	IK09 10J xx7		35	A1 A2 A3 A4 A5	307213	
Power LED 220/240 V 50/60 Hz												
12 LED - 15 W		SS1+WHL	I	67	• •	6000	IK09 10J xx7		35	A1 A2 A3 A4 A5	307211	
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x24 W	FDH	SS1	I	67	• •	IK09 10J xx7	• A2	45	A1 A2 A3 A4	3072095	
WAYLIGHT 650/S												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x24 W	FDH	SS1	I	67	• •	IK09 10J xx7	• A2	50	A1 A2 A3 A4	3072145	
WAYLIGHT 650/S EM/1P												
Emergency - electronic ballast												
G5	1x24 W	FDH	SS1	I	67	• •	IK09 10J xx7	A2÷A3	50	A1 A2 A3 A4	3073435	⬇
WAYLIGHT 950/A												
Power LED 220/240 V 50/60 Hz												
18 LED - 22,5 W		SS1+WHL	I	67	• •	6000	IK09 10J xx7		35	A1 A2 A3 A4 A5	307217	
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x39 W	FDH	SS1	I	67	• •	IK09 10J xx7	• A2	50	A1 A2 A3 A4	3072155	
WAYLIGHT 950/S												
Fluorescent - electronic ballast 220/240 V 50/60 Hz												
G5	1x39 W	FDH	SS1	I	67	• •	IK09 10J xx7	• A2	55	A1 A2 A3 A4	3072185	
WAYLIGHT 950/S EM/1P												
Emergency - electronic ballast												
G5	1x39 W	FDH	SS1	I	67	• •	IK09 10J xx7	• A2	55	A1 A2 A3 A4	3072265	⬇

If information about Kelvin degrees is provided, this means that the lamp is included.



1 emergency - 1 hour	2 emergency - 2 hours	3 emergency - 3 hours	A1	A2	A3	A4	A5
No Touch Area							
Area subject to foot traffic							
Area subject to vehicle traffic							
Area subject to vehicle traffic Plus							
Area subject to foot traffic Touch							

WAYLIGHT 1250

WAYLIGHT 1550

LUMINAIRE THAT REQUIRES A FIXING KIT FOR INSTALLATION

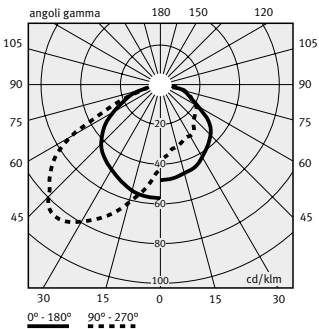
WAYLIGHT 1250/A	WAYLIGHT 1250/S
 G5	1x54 W FDH

WAYLIGHT 1550/A	WAYLIGHT 1550/S
 G5	1x80 W FDH

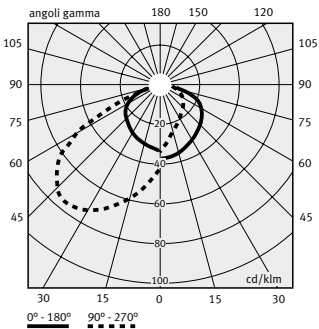
Designed according to the
EN 60598-2-13 2008 standard



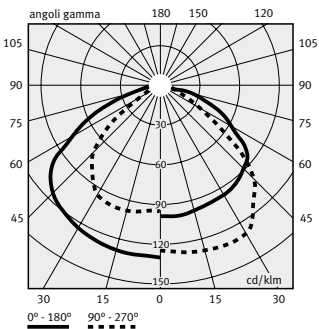
WAYLIGHT 1250/A
1x54 W T5 FDH



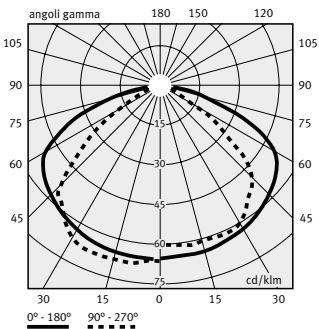
WAYLIGHT 1550/A
1x80 W T5 FDH



WAYLIGHT 1250/S
1x54 W T5 FDH

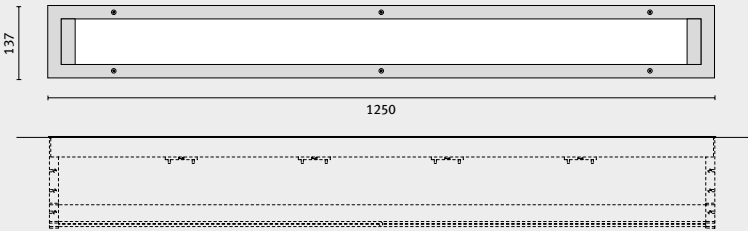


WAYLIGHT 1550/S
1x80 W T5 FDH



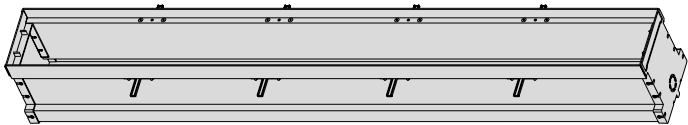
SS1

COMPLETE UNIT	
1A+1B = please order 2 codes	
COMPONENTS	
A	gear body
B	recessed fixing kit

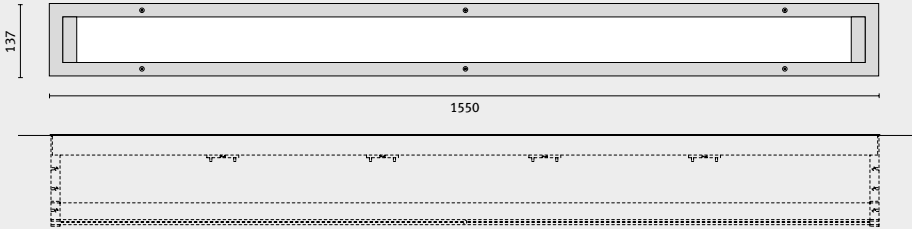
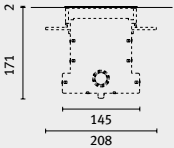




lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi$ $\geq 0,9$	EEL	C°	EN 60598-2-13	code	notes
WAYLIGHT 1250/A															
Fluorescent - electronic ballast 220/240 V 50/60 Hz															
G5	1x54 W	FDH	SS1	I	67	•	•		IK09 10J xx7	•	A2	55	A1 A2 A3 A4	3072195	
WAYLIGHT 1250/S															
Fluorescent - electronic ballast 220/240 V 50/60 Hz															
G5	1x54 W	FDH	SS1	I	67	•	•		IK09 10J xx7	•	A2	60	A1 A2 A3 A4	3072205	
WAYLIGHT 1550/A															
Fluorescent - electronic ballast 220/240 V 50/60 Hz															
G5	1x80 W	FDH	SS1	I	67	•	•		IK09 10J xx7	•	A2	45	A1 A2 A3 A4	3072215	
WAYLIGHT 1550/S															
Fluorescent - electronic ballast 220/240 V 50/60 Hz															
G5	1x80 W	FDH	SS1	I	67	•	•		IK09 10J xx7	•	A2	50	A1 A2 A3 A4	3072225	



description	colour	code
Recessed fixing kit L1250		310004
Recessed fixing kit L1550		310005



- A1A2A3A4A5
- No Touch Area
- Area subject to foot traffic
- Area subject to vehicle traffic
- Area subject to vehicle traffic Plus
- Area subject to foot traffic Touch



TARGET

design R. Fiorato, F. Pagliarini



The fitting's body can be adjusted to the desired position.

LED models (both 3000 K and 6000 K) with lenses that create different beam widths are available.



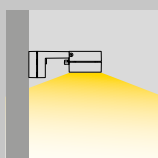
TARGET



TARGET MAXI



TARGET MAXI PLUS



If mounted with the optical axis perpendicular to the ground, there is no upward dispersion of light.



TARGET DETEK comes with an integrated movement sensor.

Range of indoor/outdoor wall mounted adjustable floodlights with clear toughened glass and die-cast aluminium housing. The TARGET is designed for use with LED, fluorescent and HID metal halide lamps. It is also available with a motion detector (TARGET DETEK).

TARGET MAXI and TARGET MAXI PLUS can also accommodate LED, fluorescent or metal halide light sources. TARGET MAXI PLUS has a long double-jointed arm that makes it suitable for lighting in shop windows and signs.

TARGET MAXI and TARGET are suitable for directional lighting in showrooms, exhibition centres and homes – where the fitting can be adjusted and used as an uplighter for indirect lighting.

TARGET MAXI

TARGET MAXI PLUS

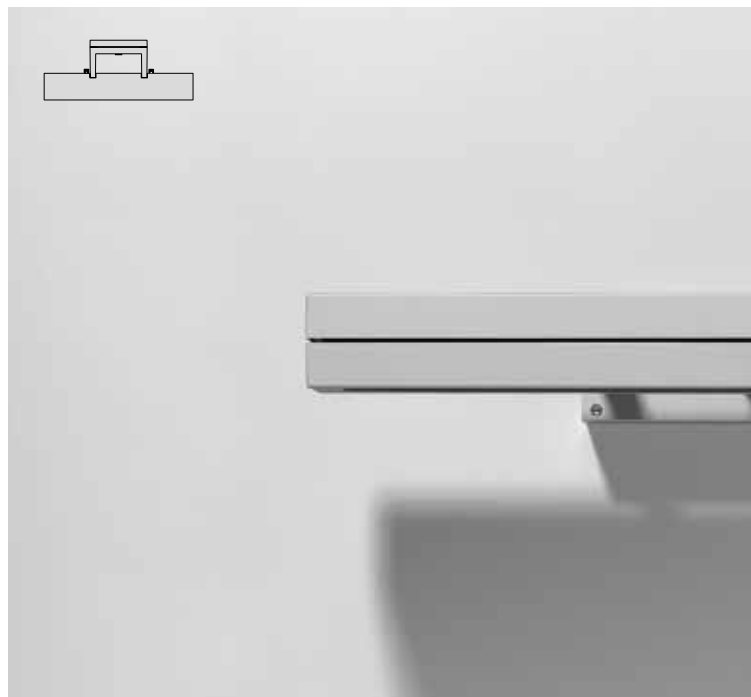
TARGET MAXI

TARGET MAXI PLUS

	G5	1x24 W FDH
	G5	2x24 W FDH
	G12	2x35 W MT

Range of wall mounted floodlights, comprising:

- Cable compartment in painted, die-cast aluminium
- Optical compartment in painted, die-cast aluminium
- Reflector in anodised aluminium for the discharging model
- Polished optics to direct the light beam for fluorescent models
- Diffuser in clear tempered glass
- Silicone gasket
- JM and fluorescent models have an electronic power supply unit
- 3000 K and 6000 K white LED models are available with lenses to direct the light beam by 12°, 25°, 45° and for elliptical directioning 15°/45°
- TARGET MAXI PLUS models are fitted with a painted die-cast aluminium arm



lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi$ ≥ 0,9	EEL	code	notes
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TARGET MAXI

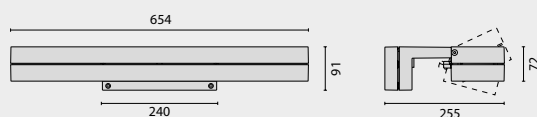
Fluorescent - electronic ballast 220/240 V 50/60 Hz

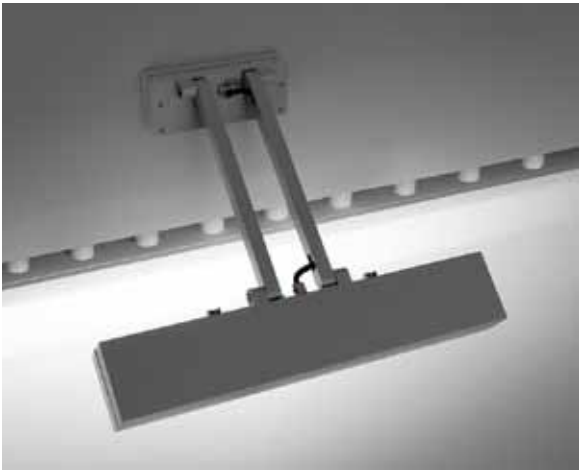
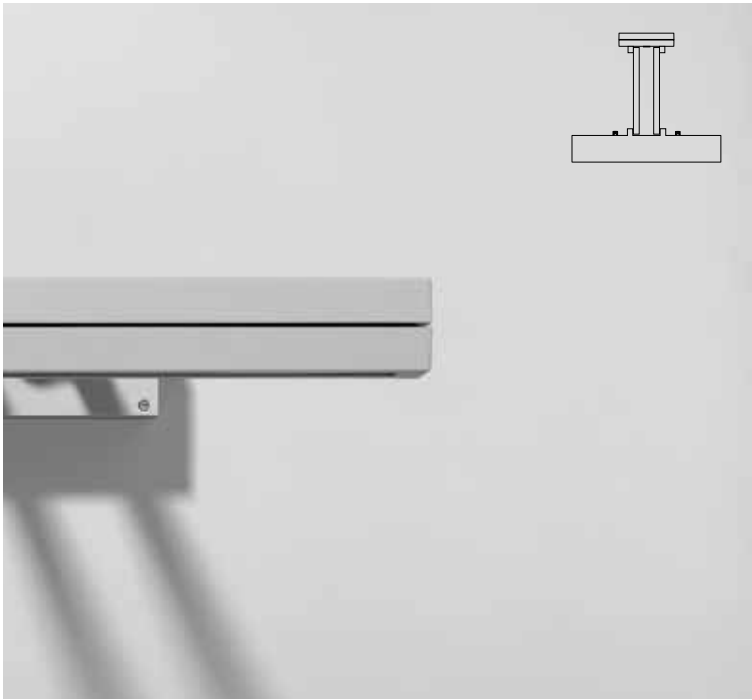
G5	2x24 W	FDH	WH1	I	65	•		IK09 10J xx7	•	A2		7004835	
G5	1x24 W	FDH	WH1	I	65	•		IK09 10J xx7		A2÷A3		7004805	
G5	1x24 W	FDH	GR2	I	65	•		IK09 10J xx7		A2÷A3		7004815	
G5	2x24 W	FDH	GR2	I	65	•		IK09 10J xx7	•	A2		7004845	
G5	1x24 W	FDH	AN3	I	65	•		IK09 10J xx7		A2÷A3		7004825	
G5	2x24 W	FDH	AN3	I	65	•		IK09 10J xx7	•	A2		7004855	

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	2x35 W	MT	WH1	I	65	•		IK09 10J xx7	•	A2		7004775	
G12	2x35 W	MT	GR2	I	65	•		IK09 10J xx7	•	A2		7004785	
G12	2x35 W	MT	AN3	I	65	•		IK09 10J xx7	•	A2		7004795	

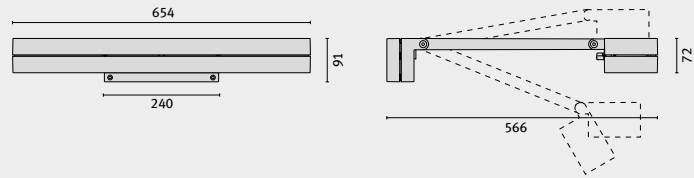
WH1 GR2 AN3





The double-jointed arm of the MAXI PLUS model allow the user to adjust the position of the floodlight for lighting signs, panels and shop windows.

lampholder	W	ILCOS	colour	class	IP			Kelvin		$\cos \varphi \geq 0,9$	EEL	code	notes
TARGET MAXI PLUS													
Fluorescent - electronic ballast 220/240 V 50/60 Hz													
G5	1x24 W	FDH	WH1	I	65	•		IK09 10J xx7		A2÷A3		7004925	
G5	2x24 W	FDH	WH1	I	65	•		IK09 10J xx7	•	A2		7004955	
G5	1x24 W	FDH	GR2	I	65	•		IK09 10J xx7		A2÷A3		7004935	
G5	2x24 W	FDH	GR2	I	65	•		IK09 10J xx7	•	A2		7004965	
G5	2x24 W	FDH	AN3	I	65	•		IK09 10J xx7	•	A2		7004975	
G5	1x24 W	FDH	AN3	I	65	•		IK09 10J xx7		A2÷A3		7004945	
Discharge - electronic ballast 220/240 V 50/60 Hz													
G12	2x35 W	MT	WH1	I	65	•		IK09 10J xx7	•	A2		7004895	
G12	2x35 W	MT	GR2	I	65	•		IK09 10J xx7	•	A2		7004905	
G12	2x35 W	MT	AN3	I	65	•		IK09 10J xx7	•	A2		7004915	





TARGET MAXI LED TARGET MAXI PLUS LED

TARGET MAXI LED 12° TARGET MAXI PLUS LED 12°

	24 LED 12° - 28,8 W 3000 K
	24 LED 12° - 28,8 W 6000 K

TARGET MAXI LED 25° TARGET MAXI PLUS LED 25°

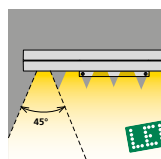
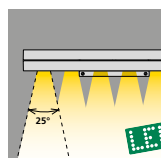
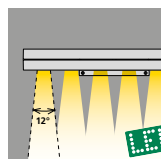
	24 LED 25° - 28,8 W 3000 K
	24 LED 25° - 28,8 W 6000 K

TARGET MAXI LED 45° TARGET MAXI PLUS LED 45°

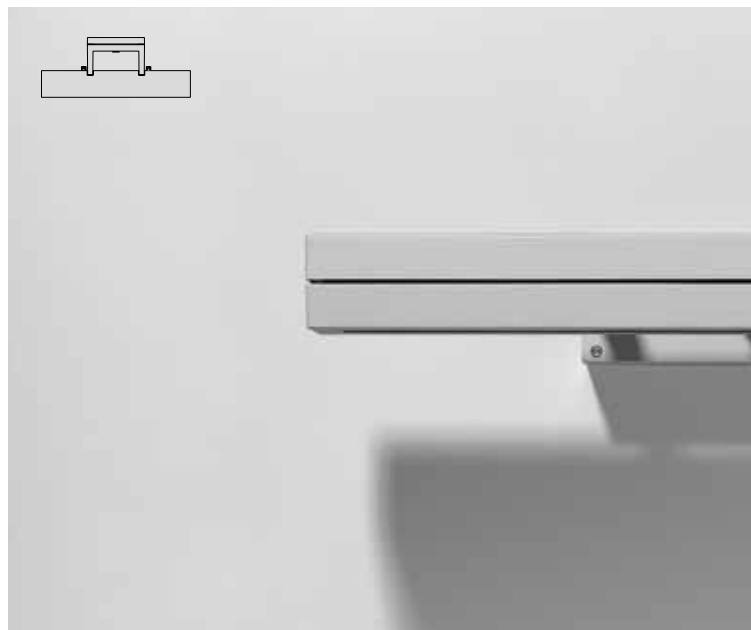
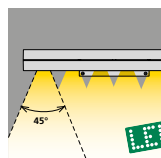
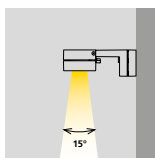
	24 LED 45° - 28,8 W 3000 K
	24 LED 45° - 28,8 W 6000 K

TARGET MAXI LED 15/45° TARGET MAXI PLUS LED 15/45°

	24 LED 15/45° - 28,8 W 3000 K
	24 LED 15/45° - 28,8 W 6000 K



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beam for
wall washer
applications



lampholder	W	ILCOS	colour	class	IP	Kelvin	$\cos \phi$ $\geq 0,9$	EEL	code	notes
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TARGET MAXI LED 12°

Power LED 220/240 V 50/60 Hz

24 LED 12° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•	302334
24 LED 12° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•	302337
24 LED 12° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•	302338
24 LED 12° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•	302335
24 LED 12° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•	302339
24 LED 12° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•	302336

TARGET MAXI LED 25°

Power LED 220/240 V 50/60 Hz

24 LED 25° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•	302340
24 LED 25° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•	302343
24 LED 25° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•	302344
24 LED 25° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•	302341
24 LED 25° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•	302345
24 LED 25° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•	302342

TARGET MAXI LED 45°

Power LED 220/240 V 50/60 Hz

24 LED 45° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•	302349
24 LED 45° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•	302346
24 LED 45° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•	302347
24 LED 45° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•	302350
24 LED 45° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•	302348
24 LED 45° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•	302351

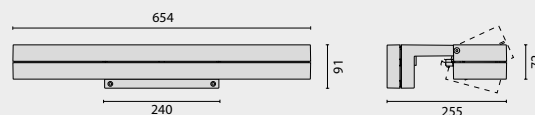
TARGET MAXI LED 15/45°

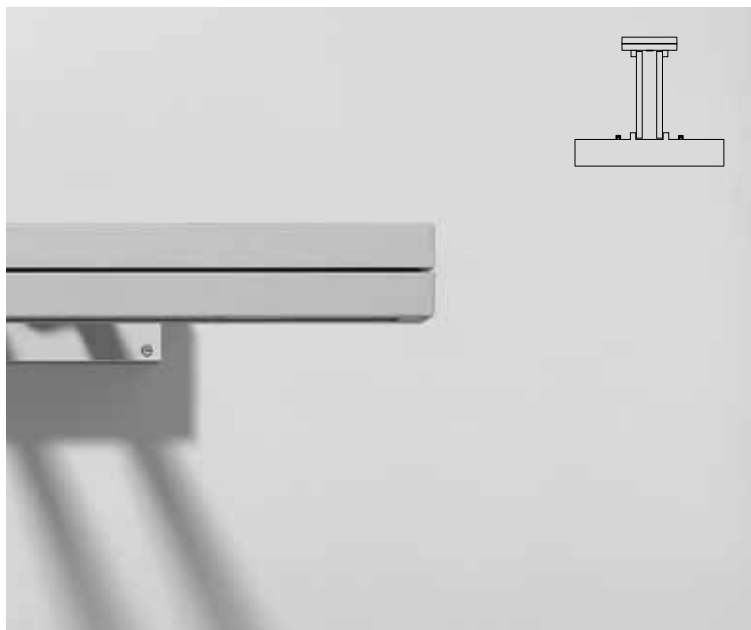
Power LED 220/240 V 50/60 Hz

24 LED 15/45° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•	302355
24 LED 15/45° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•	302352
24 LED 15/45° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•	302356
24 LED 15/45° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•	302353
24 LED 15/45° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•	302357
24 LED 15/45° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•	302354

If information about Kelvin degrees is provided, this means that the lamp is included.

○○○	○○○	●●●
WH1+WHL	GR2+WHL	AN3+WHL





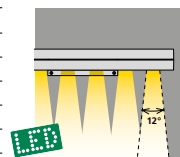
The LED models come with four different beam widths.

lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos ϕ $\geq 0,9$	EEI	code	notes
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TARGET MAXI PLUS LED 12°

Power LED 220/240 V 50/60 Hz

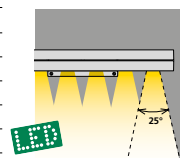
24 LED 12° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•						302358	
24 LED 12° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•						302361	
24 LED 12° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•						302362	
24 LED 12° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•						302359	
24 LED 12° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•						302363	
24 LED 12° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•						302360	



TARGET MAXI PLUS LED 25°

Power LED 220/240 V 50/60 Hz

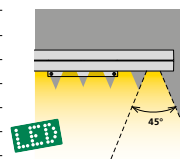
24 LED 25° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•						302367	
24 LED 25° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•						302364	
24 LED 25° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•						302368	
24 LED 25° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•						302365	
24 LED 25° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•						302369	
24 LED 25° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•						302366	



TARGET MAXI PLUS LED 45°

Power LED 220/240 V 50/60 Hz

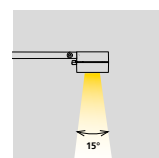
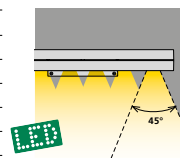
24 LED 45° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•						302370	
24 LED 45° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•						302373	
24 LED 45° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•						302371	
24 LED 45° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•						302374	
24 LED 45° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•						302372	
24 LED 45° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•						302375	



TARGET MAXI PLUS LED 15/45°

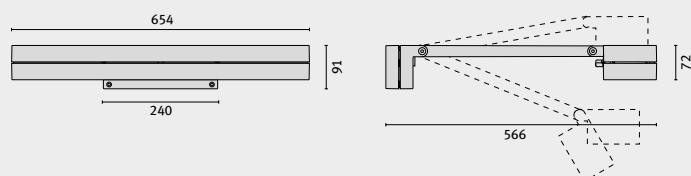
Power LED 220/240 V 50/60 Hz

24 LED 15/45° - 28,8 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	•						302379	
24 LED 15/45° - 28,8 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	•						302376	
24 LED 15/45° - 28,8 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	•						302377	
24 LED 15/45° - 28,8 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	•						302380	
24 LED 15/45° - 28,8 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	•						302381	
24 LED 15/45° - 28,8 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	•						302378	



elliptical
beam for
wall washer
applications

If information about Kelvin degrees is provided, this means that the lamp is included.





TARGET

TARGET LED

TARGET DETEK

TARGET

	R7s	max 1x200 W HDG
	GX24q-4	1x42 W FSM
	G12	1x35 W MT
	G12	1x70 W MT

TARGET DETEK

	R7s	max 1x200 W HDG
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TARGET LED 12°

	12 LED 12° - 14,4 W 3000 K
	12 LED 12° - 14,4 W 6000 K

TARGET LED 25°

	12 LED 25° - 14,4 W 3000 K
	12 LED 25° - 14,4 W 6000 K

TARGET LED 45°

	12 LED 45° - 14,4 W 3000 K
	12 LED 45° - 14,4 W 6000 K

TARGET LED 15/45°

	12 LED 15/45° - 14,4 W 3000 K
	12 LED 15/45° - 14,4 W 6000 K

Wall mounted floodlights:

- Painted die-cast aluminium wiring compartment
- Painted die-cast aluminium lamp compartment
- Reflector in anodised aluminium
- Clear toughened glass cover
- Silicone gaskets
- The JM versions come with an electronic power supply
- 3000 K and 6000 K white LED models are available with lenses to direct the light beam by 12°, 25°, 45° and for elliptical directioning 15°/45°
- TARGET DETEK comprising of an integrated motion sensor suitable for resistive or inductive load
- Regulation of the turn-off time from 6 seconds to 20 minutes
- Tripping threshold from 5 lux to daylight level
- Vertical detection angle equal to 360°, horizontal angle 100°
- Visa, visor accessory available in painted aluminium, for directional lighting
- Techno-polymer peg available for anchoring to the ground

lampholder	W	ILCOS	colour	class	IP		Kelvin		Cos φ ≥ 0,9	EEL	code	notes
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TARGET

Halogen

R7s	max 1x200 W HDG	WH1	I	65	•	IK09 10J xx7	700179
R7s	max 1x200 W HDG	GR2	I	65	•	IK09 10J xx7	700180
R7s	max 1x200 W HDG	AN3	I	65	•	IK09 10J xx7	700181

Fluorescent - electronic ballast 220/240 V 50/60 Hz

GX24q-4	1x42 W	FSM	WH1	I	65	•	IK09 10J xx7	•	A2	700449
GX24q-4	1x42 W	FSM	GR2	I	65	•	IK09 10J xx7	•	A2	700450
GX24q-4	1x42 W	FSM	AN3	I	65	•	IK09 10J xx7	•	A2	700451

Discharge - electronic ballast 220/240 V 50/60 Hz

G12	1x70 W	MT	WH1	I	65	•	IK09 10J xx7	•	700185
G12	1x35 W	MT	WH1	I	65	•	IK09 10J xx7	•	700182
G12	1x35 W	MT	GR2	I	65	•	IK09 10J xx7	•	700183
G12	1x70 W	MT	GR2	I	65	•	IK09 10J xx7	•	700186
G12	1x35 W	MT	AN3	I	65	•	IK09 10J xx7	•	700184
G12	1x70 W	MT	AN3	I	65	•	IK09 10J xx7	•	700187

TARGET DETEK

Halogen

R7s	max 1x200 W HDG	WH1	I	65	•	IK09 10J xx7	700501
R7s	max 1x200 W HDG	GR2	I	65	•	IK09 10J xx7	700502
R7s	max 1x200 W HDG	AN3	I	65	•	IK09 10J xx7	700503



description	colour	code
Visa	AN3	700190
Visa	GR3	700189
Visa	WH1	700188
Ground spike	BK1	700191

WH1

GR2

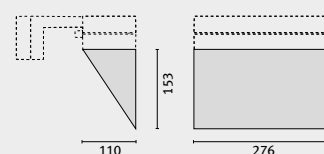
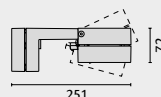
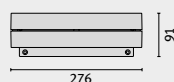
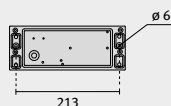
AN3

BK1

WH1+WHL

GR2+WHL

AN3+WHL





TARGET DETEK comes with an integrated movement sensor.



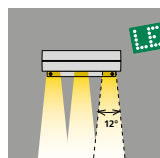
The LED models come with four different beam widths.



lampholder W ILCOS colour class IP Kelvin $\cos \varphi \geq 0,9$ EEI code notes

TARGET LED 12°

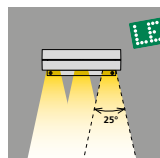
Power LED 220/240 V 50/60 Hz



12 LED 12° - 14,4 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	302313
12 LED 12° - 14,4 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	302310
12 LED 12° - 14,4 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	302311
12 LED 12° - 14,4 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	302314
12 LED 12° - 14,4 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	302315
12 LED 12° - 14,4 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	302312

TARGET LED 25°

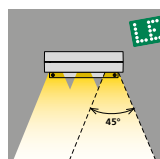
Power LED 220/240 V 50/60 Hz



12 LED 25° - 14,4 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	302316
12 LED 25° - 14,4 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	302319
12 LED 25° - 14,4 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	302317
12 LED 25° - 14,4 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	302320
12 LED 25° - 14,4 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	302318
12 LED 25° - 14,4 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	302321

TARGET LED 45°

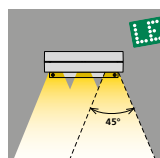
Power LED 220/240 V 50/60 Hz



12 LED 45° - 14,4 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	302322
12 LED 45° - 14,4 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	302325
12 LED 45° - 14,4 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	302326
12 LED 45° - 14,4 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	302323
12 LED 45° - 14,4 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	302324
12 LED 45° - 14,4 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	302327

TARGET LED 15/45°

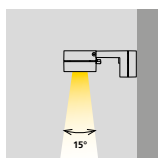
Power LED 220/240 V 50/60 Hz



12 LED 15/45° - 14,4 W	WH1+WHL	I	65	• 6000	IK09 10J xx7	302331
12 LED 15/45° - 14,4 W	WH1+WHL	I	65	• 3000	IK09 10J xx7	302328
12 LED 15/45° - 14,4 W	GR2+WHL	I	65	• 3000	IK09 10J xx7	302329
12 LED 15/45° - 14,4 W	GR2+WHL	I	65	• 6000	IK09 10J xx7	302332
12 LED 15/45° - 14,4 W	AN3+WHL	I	65	• 3000	IK09 10J xx7	302330
12 LED 15/45° - 14,4 W	AN3+WHL	I	65	• 6000	IK09 10J xx7	302333

If information about Kelvin degrees is provided, this means that the lamp is included.

elliptical
beam for
wall washer
applications



BASIC FLOOD

design Roberto Fiorato



Range of adjustable, wall mounted aluminium projectors with serigraphed glass diffuser. Available with symmetrical (S), asymmetrical (A) and circular (C) reflector in the versions for metal halide

lamps or in the version for fluorescent lamps with a reflection dish. The BASIC FLOOD series is ideal to light signs, facades and entrances in business and sales areas and public spaces.

BASIC FLOOD

	2G10	1x24 W FSS
	G24q-3	2x26 W FSQ

BASIC FLOOD/A		
BASIC FLOOD/S		
BASIC FLOOD/C		
	RX7s	1x70 W MD

- Outdoor wall mounted fixtures, comprising:
- Housing and ring in die-cast aluminium, painted
 - Aluminium reflector for fluorescent models
 - Symmetrical (S), asymmetrical (A) and circular (C) reflectors in pure polished oxidised aluminium
 - Diffuser in silk-screened clear glass for reflector models and frosted glass for fluorescent models
 - Polymer gasket
 - Stainless steel locking screws
 - Painted, die-cast, aluminium clamp for wall mounting

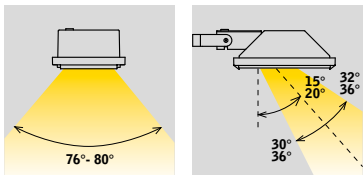


lampholder	W	ILCOS	colour	class	IP			Kelvin		Cos φ ≥ 0,9	EEI	code	notes
------------	---	-------	--------	-------	----	---	---	--------	---	-------------	-----	------	-------

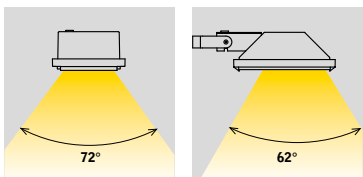
BASIC FLOOD

Fluorescent - electronic ballast 220/240 V 50/60 Hz													
2G10	1x24 W	FSS	GR3	I	65	•	IK06 1J xx3	•	A2	3009025			
2G10	1x24 W	FSS	AN3	I	65	•	IK06 1J xx3	•	A2	3009035			
G24q-3	2x26 W	FSQ	GR3	I	65	•	IK06 1J xx3	•	A2	3009045			
G24q-3	2x26 W	FSQ	AN3	I	65	•	IK06 1J xx3	•	A2	3009055			

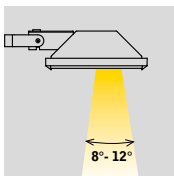
/A
asymmetrical
reflector



/S
symmetrical
reflector



/C
circular
reflector



BASIC FLOOD/A

Discharge - electronic ballast 220/240 V 50/60 Hz													
RX7s	1x70 W	MD	GR3	I	65	•	IK06 1J xx3	•		3009065			
RX7s	1x70 W	MD	AN3	I	65	•	IK06 1J xx3	•		3009075			

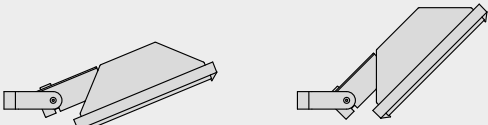
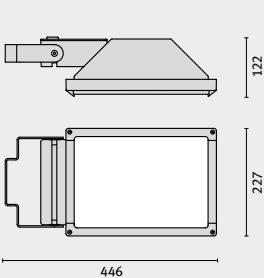
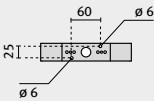
BASIC FLOOD/S

Discharge - electronic ballast 220/240 V 50/60 Hz													
RX7s	1x70 W	MD	GR3	I	65	•	IK06 1J xx3	•		3009085			
RX7s	1x70 W	MD	AN3	I	65	•	IK06 1J xx3	•		3009095			

BASIC FLOOD/C

Discharge - electronic ballast 220/240 V 50/60 Hz													
RX7s	1x70 W	MD	GR3	I	65	•	IK06 1J xx3	•		3009105			
RX7s	1x70 W	MD	AN3	I	65	•	IK06 1J xx3	•		3009115			

GR3 AN3



4seasons



Conception of the 4SEASONS system: **Francesco Iannone, Serena Tellini** - Consuline (Milan) - www.consuline.com

3D Rendering: Consuline (Milan) - www.consuline.com

Photographs were taken at the Parco Giardino Sigurtà in Valeggio sul Mincio (VR) - www.sigurta.it



2010



4SEASONS is an integrated system of information, technical specifications and luminaires designed specifically for parks, gardens and greenspaces. **4SEASONS** was created with the idea of suggesting different options for lighting engineering projects that make it possible to control and utilize shadows, in addition to respecting the natural areas.

4Seasons is not only a technical solution for lighting, it needs an emotional understanding and appreciation of the natural surrounding.



Artificially illuminating a natural object in the best way is to highlight its shape and unique characteristics, by evaluating its dimensions and possible growth and visualize its change through the seasons

Successful lighting can be achieved if the equilibrium between light and shadow is re-created.



The wrong lighting eliminates natural contrast and diminishes the beauty of nature.



Light and shadows are complementary elements in the natural environment, only when they are combined in the natural or artificially lit environment can we appreciate the full richness of nature.





Colour adds to the combination of light and dark to interpret a season or emphasize a particular element: nature becomes the scenography that surrounds life.

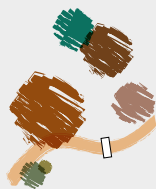
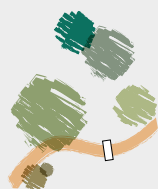


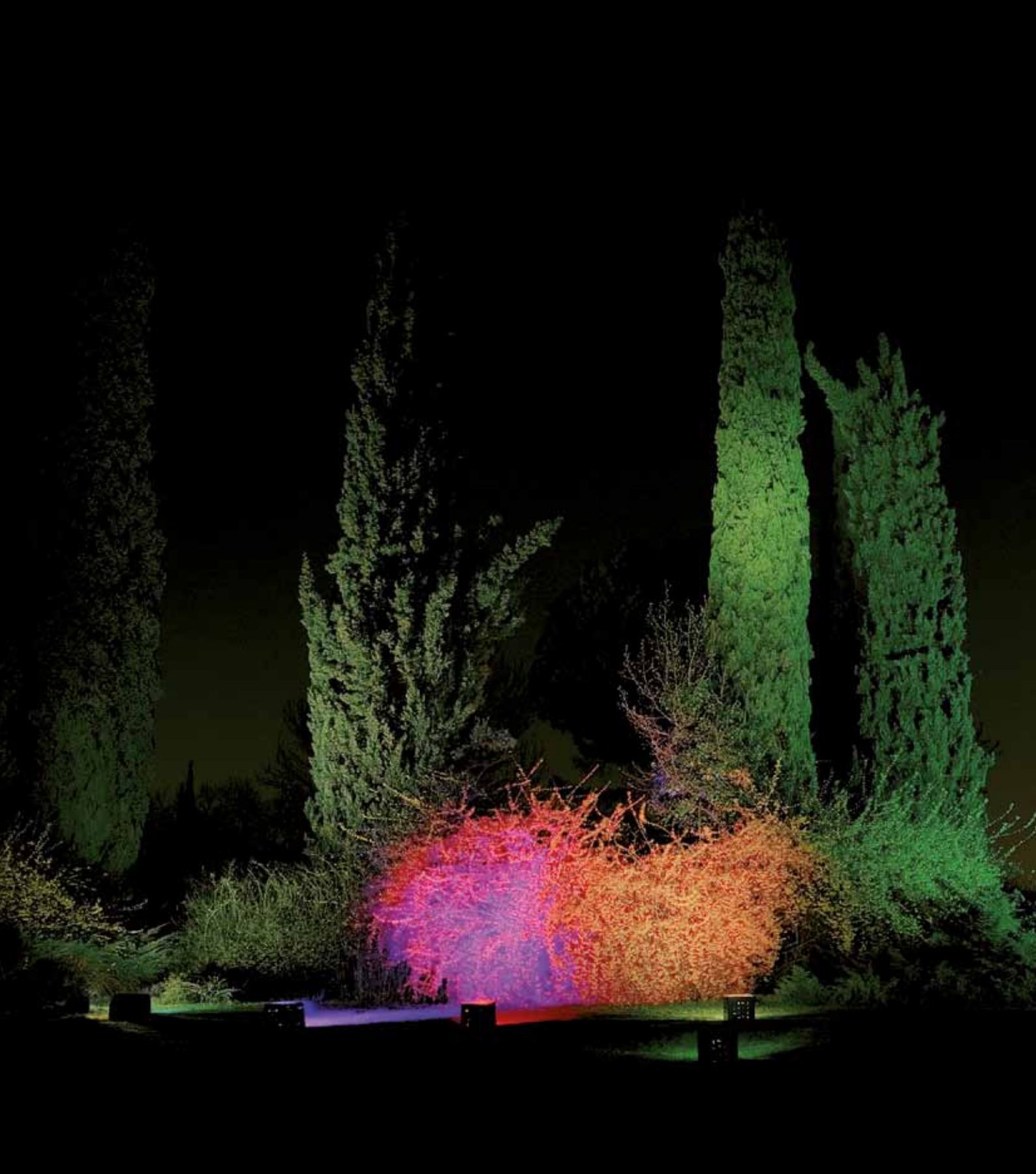
The range of **4SEASONS** luminaires includes several light emission alternatives, with infinite possibilities for changing colours and beam intensity.

Natural elements and coloured lighting can produce surprising, changing scenes. The change can follow and emphasize the modifications in seasonal conditions, or create a quick, continuous visual effect, like one that could be used for a festive evening.

Seasonal variations influence the appearance of parks and gardens. Each season coincides with a specific phase of the life cycle of the different trees, bushes and lawns that change colours and shapes all year long.

In this way, scenographic content becomes an integral part of the lighting engineering project.

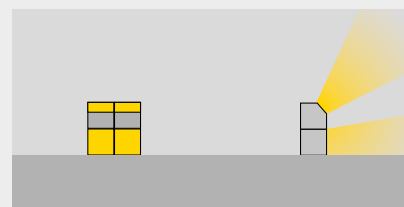
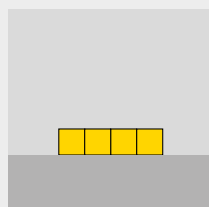




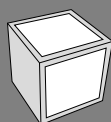
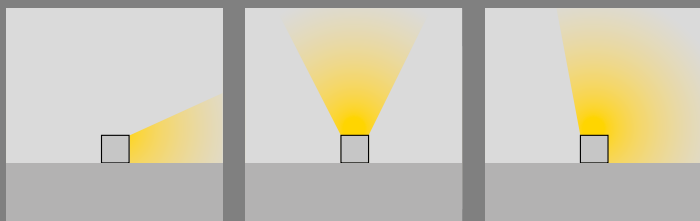
Thanks to the 4SEASONS luminaires, nocturnal lighting can be planned to change the dominant colour scheme and adapt to the different seasons.



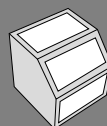
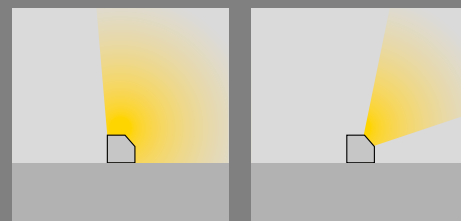
Luminaires from the 4SEASONS system can be mounted together or stacked as desired. Contact the Technical Service for customization requests.



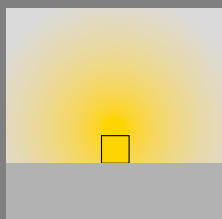
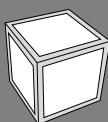
4SEASONS SYSTEM LUMINAIRES



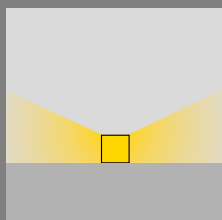
BOX is suitable to light trees and bushes with different heights and dimensions and is offered with a wide range of light sources. The light aperture is 90° from two open sides and has the option to blank one of the openings.



CUT is also suitable to light trees and bushes with different heights and dimensions, but has a greater flexibility in application, which is distinguished by its inclined cut. The light aperture is 90° from three open sides and has the option to blank one or two of the openings.



DECO is designed for the lighting of paths, patios and grazing light on ground surfaces providing decorative illumination. The light distribution can be altered by closing one or more of the five open sides.



NEW ANTI-GLARE VERSIONS

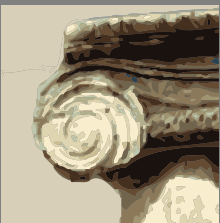
All **4SEASONS** fittings are designed to use specific screens for an application to alter the light distribution and create shadows. They have a wide variety of light sources with options for LED colour changing.

Technical descriptions, specifics on light sources, drawings of the screens and all the codes can be found from page 290 on.

LIGHTING TECHNIQUE

Here below, you'll find a few simple guidelines that are useful for those that want to learn more about lighting natural elements, even if you have very little experience.

- 1 Define the type of shape of the natural element you want to spotlight
- 2 Define the position of the points of light necessary for good quality lighting
- 3 Define the graphic personality of the natural element and choose the most suitable screens



1 - TYPES OF SHAPES

The shape and size of the natural element are determined to define the power and width of the light beam necessary for the best lighting characteristics. Each shape has different requirements, both in terms of direction and in terms of the number of luminaires necessary to illumine the whole surface of the tree.

2 - POSITION OF LIGHTS

It is well known that a tree's natural development is regulated by the golden ratio, which is followed even in the fields of art and architecture as a perfect and harmonious proportional relationship. This same pattern also determines the optimal position of the points of light with respect to

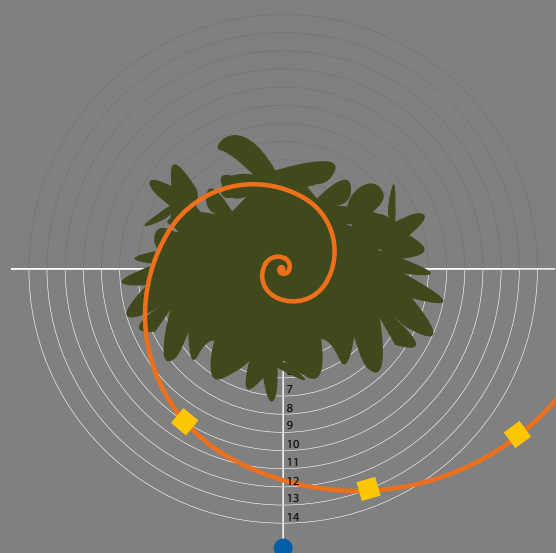
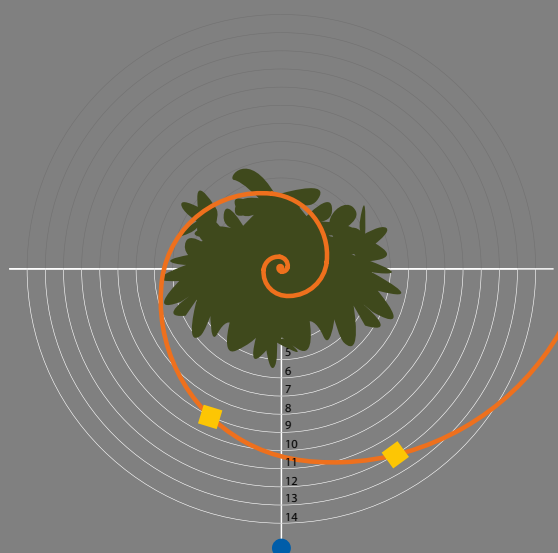


Picea Abies
Chamaecyparis Lawsoniana
Pseudotsuga Menziesii
Sequoia Sempervirens

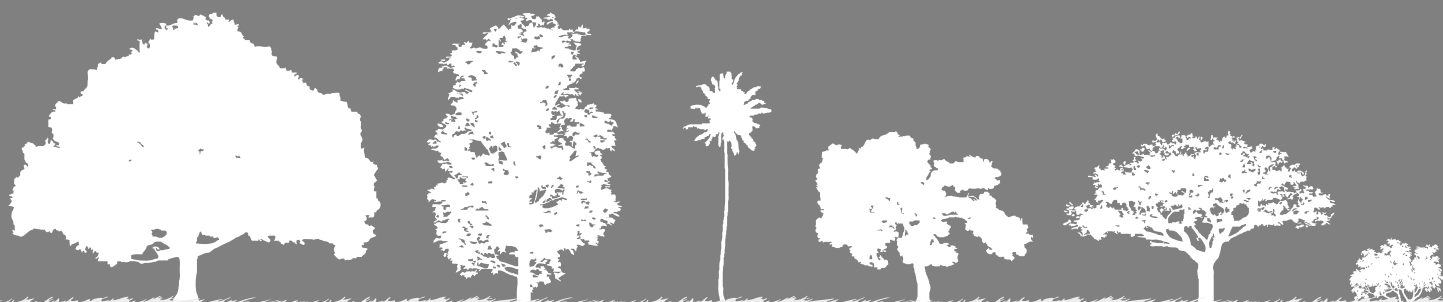
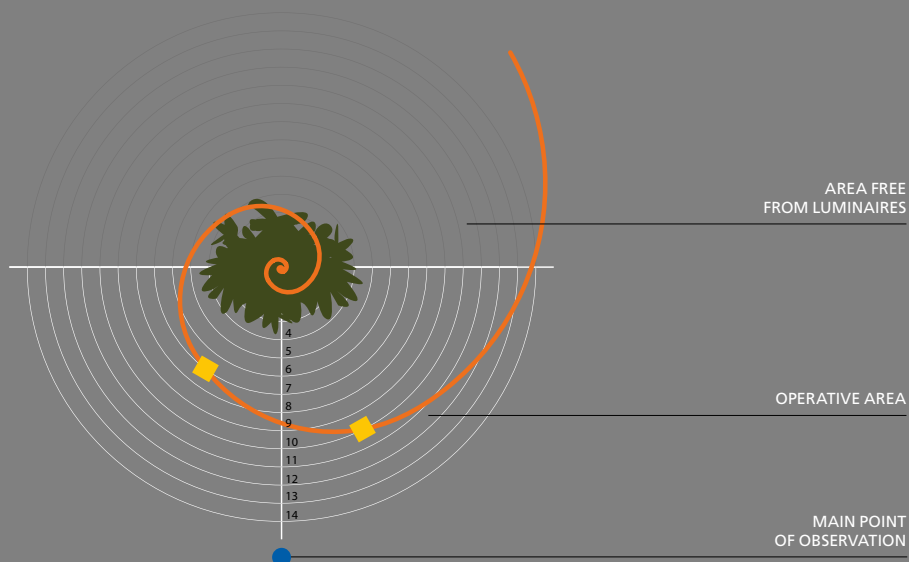
X Cupressocyparis Leylandii
Sequoiadendron Giganteum
Cryptomeria Japonica
Thuja Plicata

Acer Pseudo Platanus
Cedrus Deodara
Carpinus Betulus
Fagus Sylvatica

Salix x Chrysocoma
Alnus Pendula
Eucalyptus Camadulensis
Fagus Pendula



the size of the plant and the main point of view. In fact, the points of light should always be placed along the path in a spiral, which develops according to the golden ratio. To avoid glare, the light beam must never be pointed towards the point of observation.



Celtis Australis

Quercus Petraea
Broussonetia Papyrifera
Rhizophora Mangle

Populus X Gileadensis

Platanus Occidentalis
Ailanthus Altissima
Talia Cordata

Phoenix Dactilifera

Cocos Nucifera
Sabal Palmetto
Jubae Spectabilis

Acer Campestre

Olea Europaea
Delonix Regia
Fraxinus Excelsior

Quercus Suber

Carya Ovata
Albizzia Julibrissin
Ceiba Pentandra

Sambucus Nigra

Cornus Florida
Arbutus Unedu
Acacia Baileyana

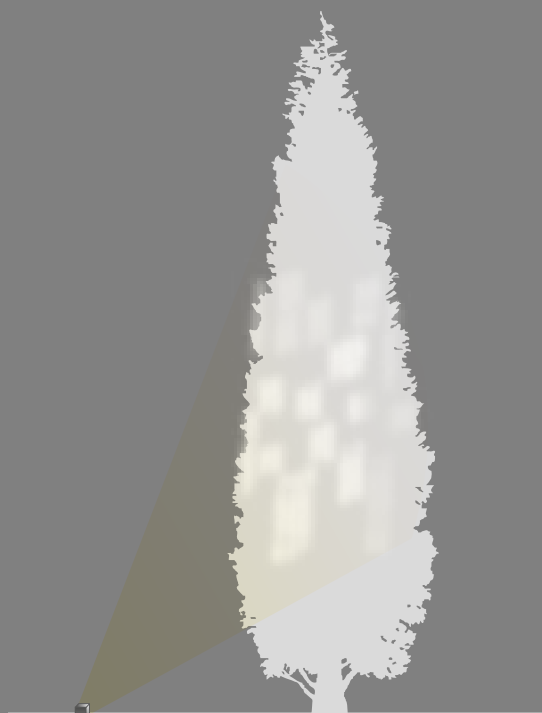
3 - THE GRAPHIC PERSONALITY AND THE USE OF SCREENS

Besides the shape and size, a natural element also has a graphic personality that can be emphasized with shadowing.

Screens of the 4SEASONS luminaires create a wide range of effects by combining light and dark, which transforms the lighting layout to tailor it to the personality of the natural element.

4SEASONS has several screens designed to bring out some typical personalities.

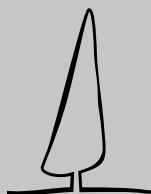
However, the screens can be used as desired, to discover creative new effects and generate new sensations.



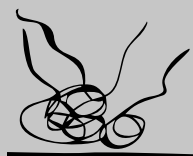
DYNAMIC



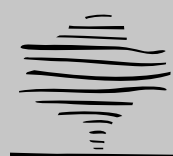
CONSTANT



MOBILE



CALM



OUTGOING



Trees with similar shapes can have different graphic personalities: dynamic, static, mobile or other.

The screens for 4SEASONS luminaires (Kit Shadow) are designed according to graphic personality to obtain the best light and shadow effects for the specific tree.

On the following sheets, there are a few parameters and typical personalities.

TECHNICAL DATA SHEETS

The technical data sheets contain solutions for optimal lighting of the main types of tree shapes, and for some natural elements found frequently in gardens.

For each natural element, the sheet suggests the best type of luminaire with the visualization of the most correct lighting arrangement and a few possible variations, in relation to the seasons or the screens.

There are obviously an infinite number of variables in the lighting project of a greenspace.

This range of basic solutions was not intended to be all inclusive. In the pages following the technical data sheets, there are a few examples that allow us to explore personalized solutions.



CRATAEGUS MOLLIS

page 282



PODOCARPUS

page 283



HIPPOCASTANUM

page 284



COCOS NUCIFERA

page 285



CARPINUS BETULUS

page 286



PICEA PUNGENS

page 287



HEDERA HELIX

page 288



SALIX TRIANDRA

page 289

SPRING
SUMMER
AUTUMN
WINTER



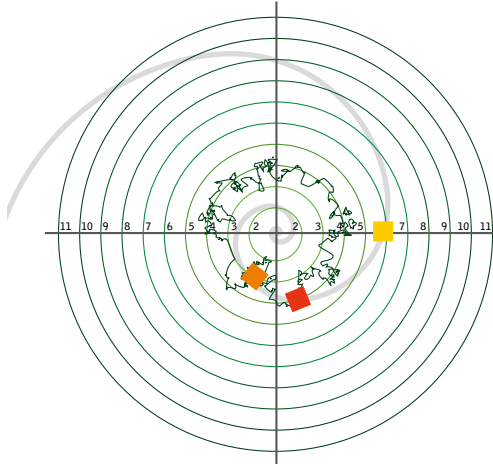
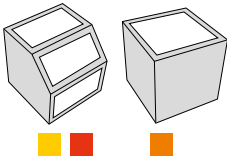
Each icon has four tiny coloured circles near it that very concisely represent the variations of the natural element in every season.

Technical data and product codes of luminaires and screens are on page 294.

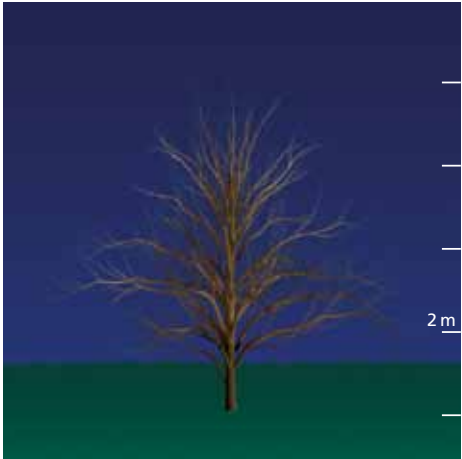
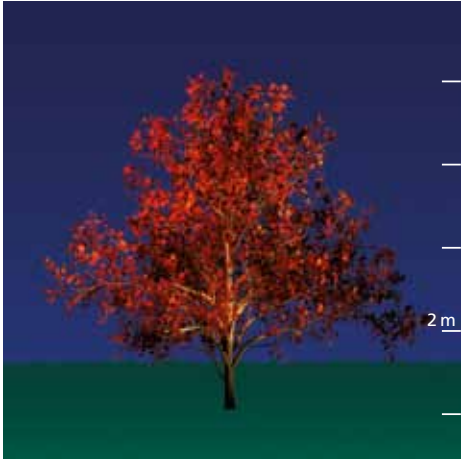
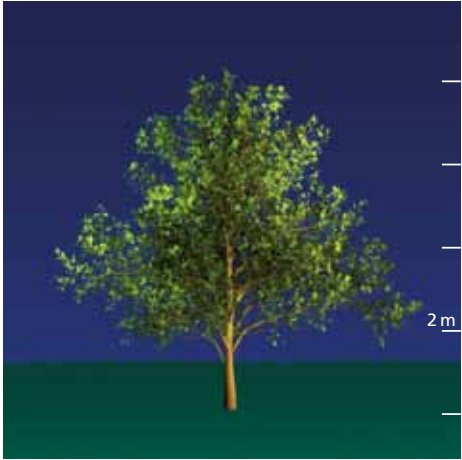


CRATAEGUS MOLLIS

Trees with similar shapes:
Quercus Pubescens
Robinia Pseudoacacia
Alnus Glutinosa



SOLID PERSONALITY



		
	CUT + Color 10 + 3 Dots C	
	CUT + Color 10 + 3 Dots C	
	BOX + Color 30 + 1 Stones + 1 Blind	

 Consumes max. 90W

Infinite lighting scenes are possible by projecting chromatic variations timed with the changing seasons. Every night brings a different scene in same sophisticated atmosphere.

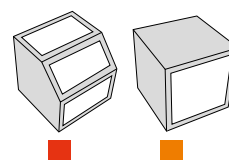
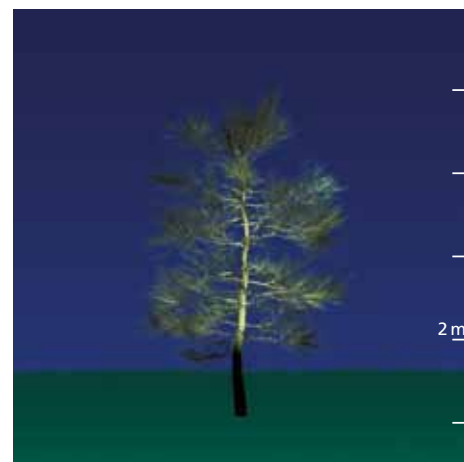
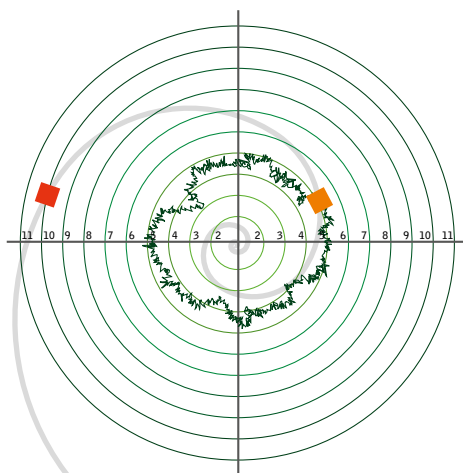
PODOCARPUS

Trees with similar shapes:

Platanus Occidentalis

Ailanthus Altissima

Talia Cordata



Dots



Stones



Blind



ORIENTAL PERSONALITY



Consumes
max. 12W

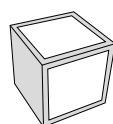
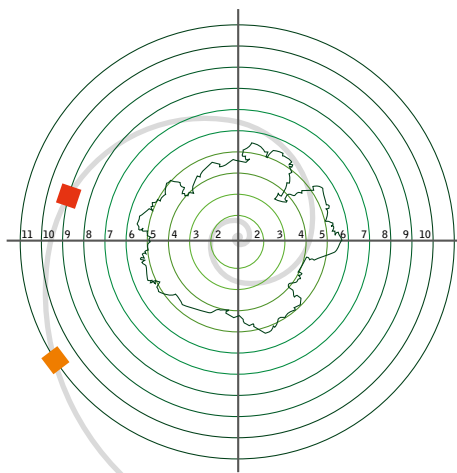
	CUT	+	Mini W30	+	3 Stones C
	BOX	+	Mini DL30	+	1 Dots + 1 Blind

When talking about leaves, non-deciduous is certainly not monotonous. The scenes change with the wind and the glinting light on the leaves, if two different colour temperatures are chosen for the illumination. A dance of white light.

HIPPOCASTANUM

Trees with similar shapes:

Cedrus Deodara
Carpinus Betulus
Fagus Sylvatica

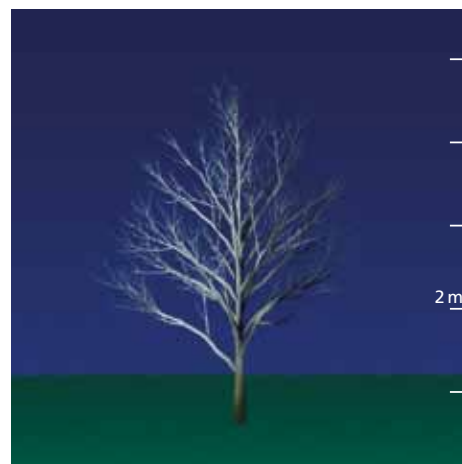
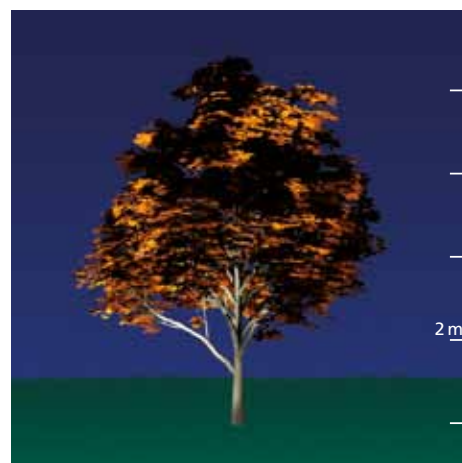
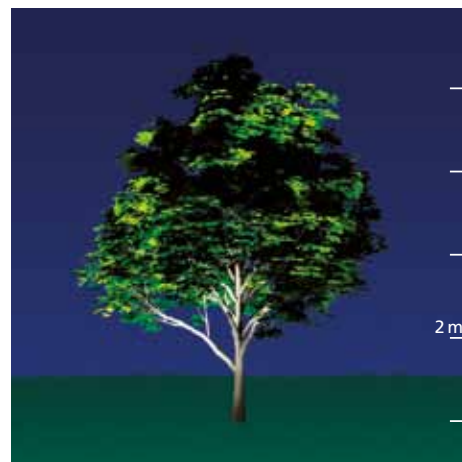


Stones

Dots



SOLID PERSONALITY



BOX	+	Park 40	+	2 Stones
BOX	+	Color 30	+	2 Dots



Consumes
max. 65W

Huge shapes are an advantage only when the light adds a delicate touch. Subtle lighting accents should always be preferred for large forms.



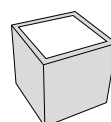
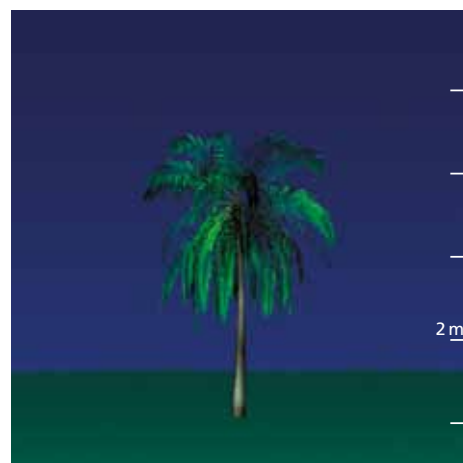
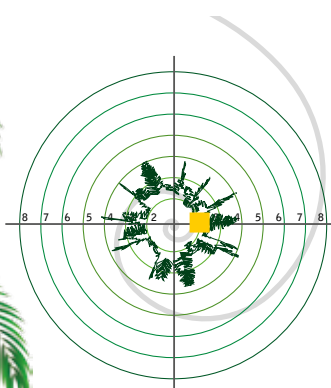
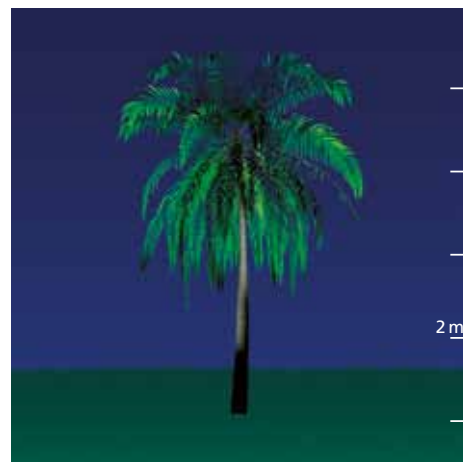
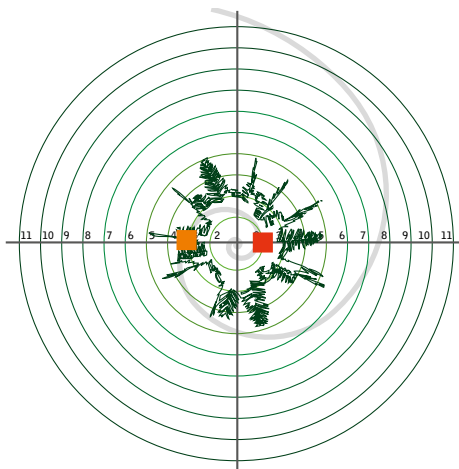
COCOS NUCIFERA

Trees with similar shapes:

Phoenix Dactilifera

Sabal Palmetto

Jubae Spectabilis



Dots



Stones



Blind



ORIENTAL PERSONALITY



Consumes
max. 40W

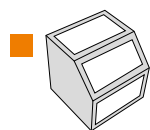
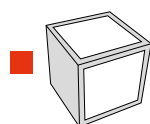
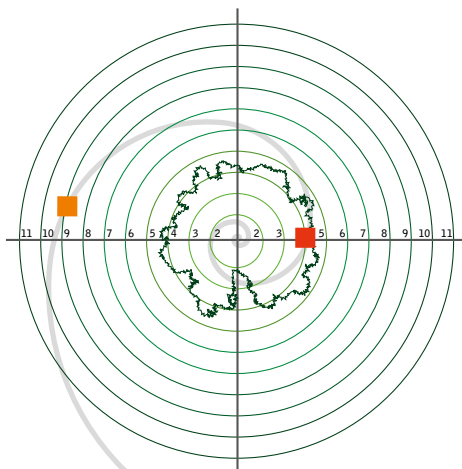
BOX	+	Garden 12	+	1 Dots + 1 Blind
BOX	+	Garden 12	+	1 Stones + 1 Blind
BOX	+	Garden 40	+	1 Stones + 1 Blind

When the tree's personality is very strong, lighting becomes a real challenge. Interpretation through lighting is a vital choice in developing nocturnal settings.

CARPINUS BETULUS

Trees with similar shapes:

Fraxinus Excelsior
Ulmus Minor
Pinus Nigra

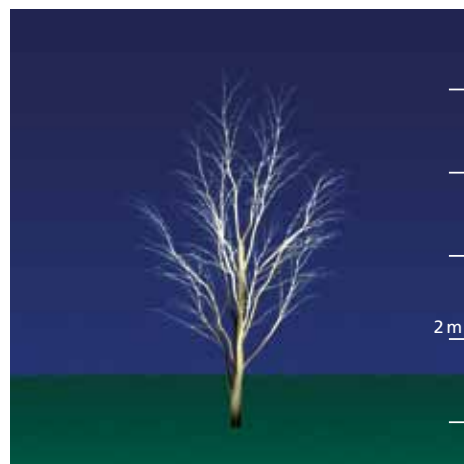
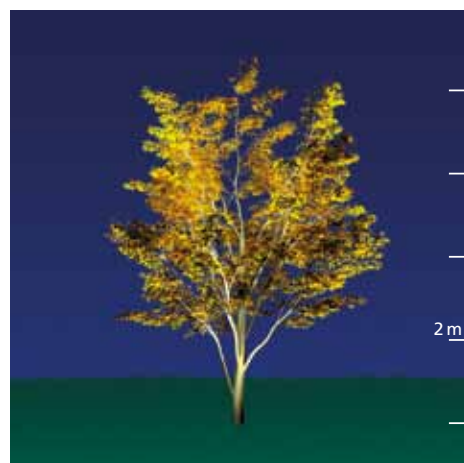
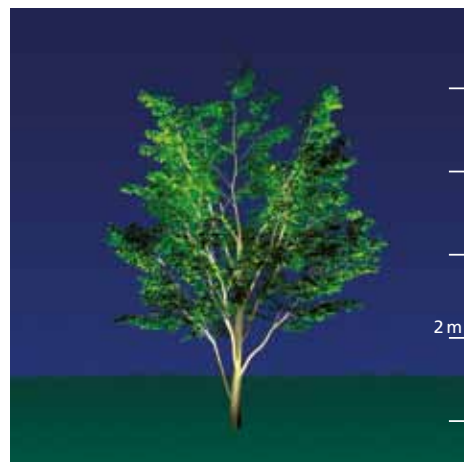


Crack

Scratch



MOBILE PERSONALITY



BOX + Garden 10 + 2 Scratch

CUT + Double W30 + 3 Crack C



Consumes
max. 32W

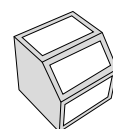
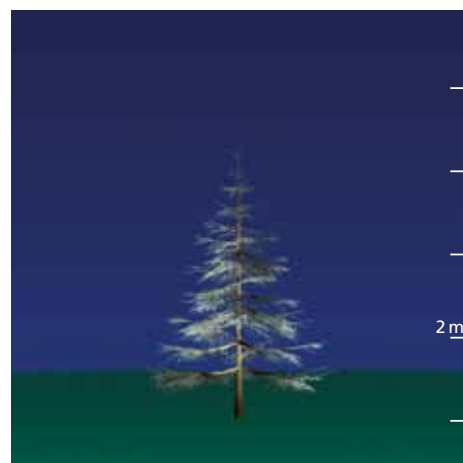
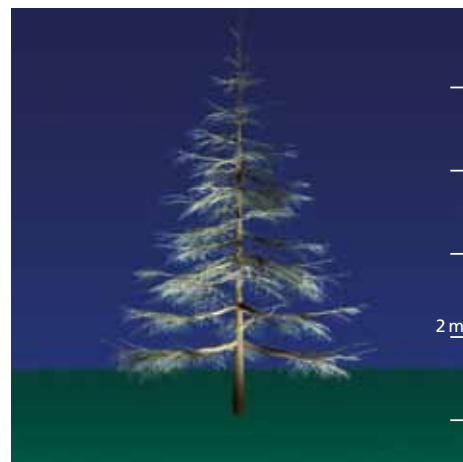
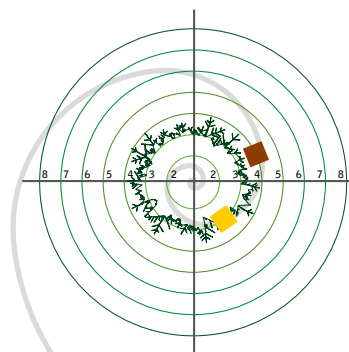
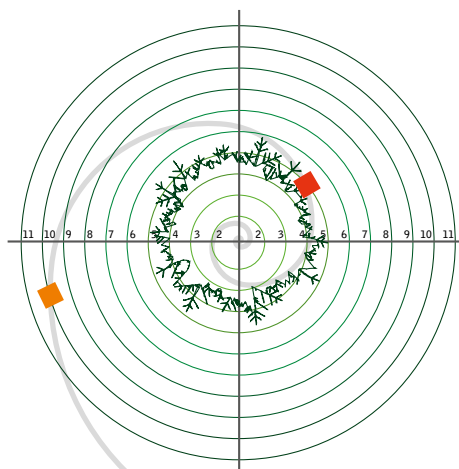
Light is able to capture the elegance of this majestic tree. Warm lighting plays up the colours of the leaves during the fall.



PICEA PUNGENS

Trees with similar shapes:

Chamaecyparis Lawsoniana
Pseudotsuga Menziesii
Sequoia Sempervirens



Flames



Waves



DYNAMIC PERSONALITY



Consumes
max. 70W

	CUT	+	Park 10	+	3 Flames C
	CUT	+	Park 40	+	3 Flames C
	CUT	+	Garden 10	+	3 Flames C
	CUT	+	Garden 10	+	3 Waves C

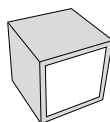
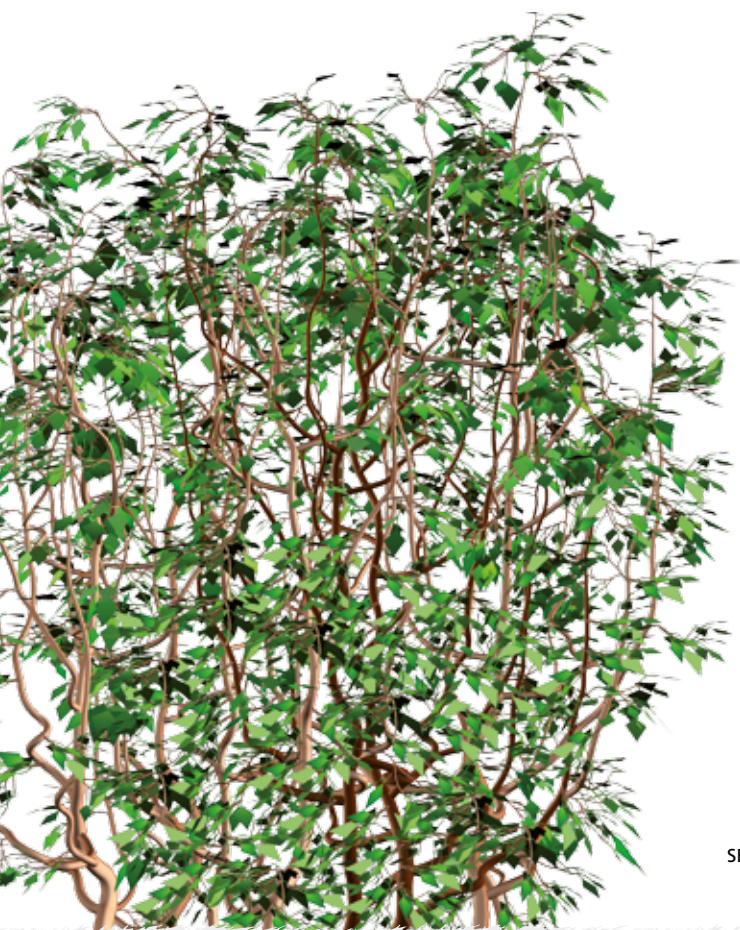
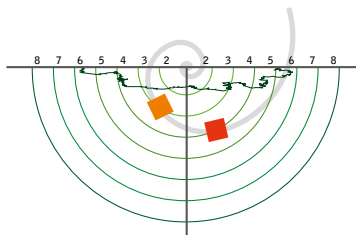
Composure can be emphasized by illumination only if the light finds a way to play on the branches in flickering, silvery effects.



HEDERA HELIX

Trees with similar shapes:

Lonicera Rampicante
Jasminum Nudiflorum
Hydrangea Petiolaris



More Lines



Blind



SERPENTINE PERSONALITY



Consumes
max. 15W

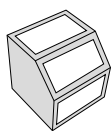
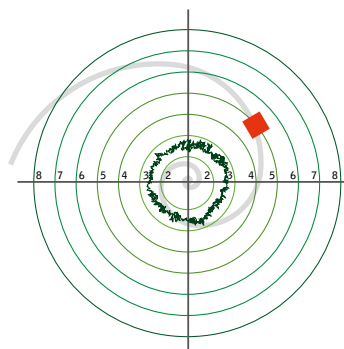
BOX	+	Mini C30	+	1 More Lines + 1 Blind
BOX	+	Mini C30	+	1 More Lines + 1 Blind

The border, the edge, the perimeter:
if highlighted with colour, any climbing plant
is no longer just a boundary. It becomes
a poetic statement surrounding the garden.

SALIX TRIANDRA

Trees with similar shapes:

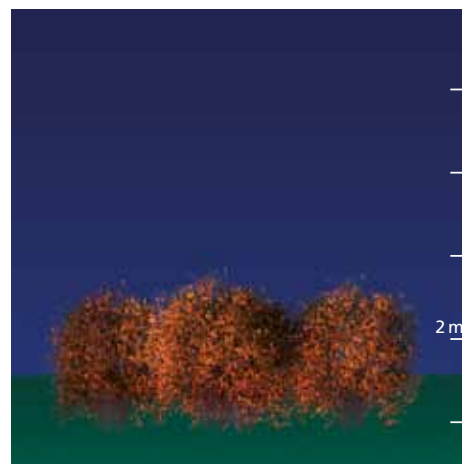
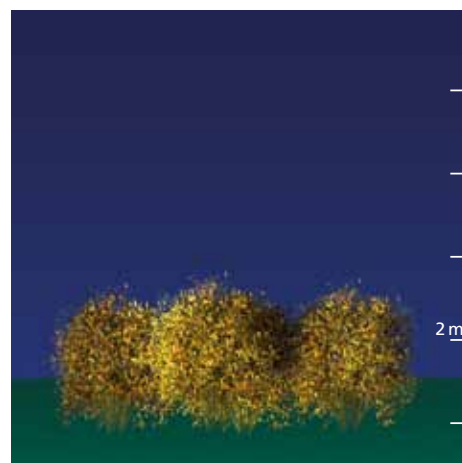
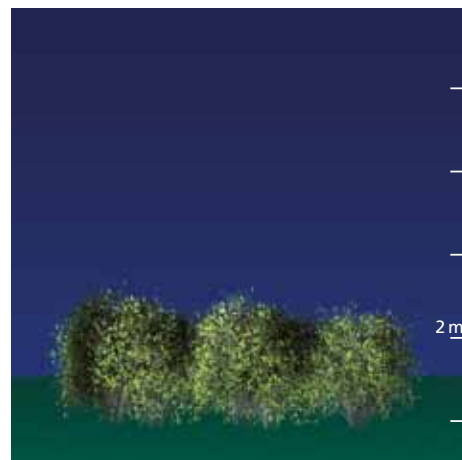
Osmanthus Fragens
Laburnum Anagyroides
Sorbus Hybrida



Crack



CALM PERSONALITY

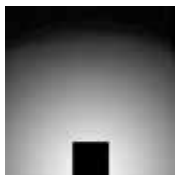


Consumes
max. 30W

CUT + Color 30 + 3 Crack C

The attractiveness of this tree arises from its upward direction: if enhanced with lively colours, it transforms the garden into a magical place.

THE LIGHT SOURCES



Mark 61

MARK

Designed for illuminating pedestrian walkways, bushes and hedges.

Non adjustable light source.



Park 10

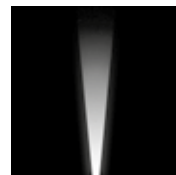


Park 40

PARK

Suitable for situations in which the distance from the light source to the spotlighted element is greater than 5 metres.

Controlled light diffusion, with beam of 10° or 40°. **Adjustable rotating** light source.



Garden 10

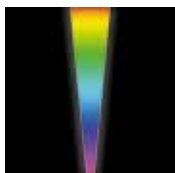


Garden 40

GARDEN

Suitable for situations in which the distance from the light source to the spotlighted element is **less than 5 metres**.

Controlled light diffusion, with beam of 10° or 40°. **Adjustable rotating** light source.



Color 10



Color 30



Color 45

COLOR

Suitable for situations in which the distance from the light source to the spotlighted element is **greater than 5 metres**.

Light colour can be programmed and modified. Controlled light diffusion, with beam of 10°, 30° or 45°.

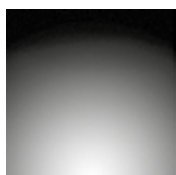
Adjustable rotating light source.



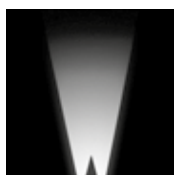
Double W180



Double W30



Double DL180



Double DL30



Double C180



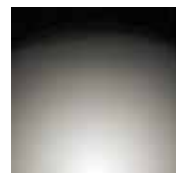
Double C30

DOUBLE

Suitable for situations in which the distance from the light source to the spotlighted element is **less than 3 metres**.

White light that can be either cool (DL) or warm (W). Light colour can be programmed and modified (C). Controlled light diffusion, with beam of 30°.

Two independently adjustable rotating light sources.



Mini W180



Mini W30



Mini DL180



Mini DL30



Mini C180



Mini C30

MINI

Suitable for situations in which the distance from the light source to the spotlighted element is **less than 3 metres**.

White light that can be either cool (DL) or warm (W).

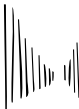
Light colour can be programmed and modified (C). Controlled light diffusion, with beam of 30°. **Adjustable rotating** light source.

The range of light sources available for the **4SEASONS** luminaires makes it possible to satisfy any lighting requirement. These brief descriptions define the characteristics of each single source.





THE SCREENS

DYNAMIC PERSONALITY		 Scales	 Flames	 Waves	 Scratch
CONSTANT PERSONALITY		 Lines	 More lines		
MOBILE PERSONALITY		 Stones	 Scratch	 Crack	
CALM PERSONALITY		 Waves	 Scratch	 Crack	 More lines
OUTGOING PERSONALITY		 Crack	 Dots		
RESERVED PERSONALITY		 Scales	 Stones	 Leaves	
ORIENTAL PERSONALITY		 Dots	 Mini dots	 Stones	
SOLID PERSONALITY		 Dots	 Stones		
SERPENTINE PERSONALITY		 Dots	 Scratch	 Waves	 More lines
ARCHITECTURAL PERSONALITY		 Dots	 Mini dots	 Waves	 More lines
FUTURE PERSONALITY		 Crack	 Stones	 Waves	

This table suggests the most suitable screens to draw attention to each graphic personality.



Crack



Crack Anti Glare

The Dots, Waves, Scales, Stones and Crack screens are available in **anti-glare** versions. The reduced hole surface avoids unwanted glare effects in particular conditions of use.



Light sources

description	class	IP	reference	code
Mark 61	GX24q-2 18 W	I	66 308021	MK6118
Mark 61	G12 35 W	I	66 308024	MK6135
Mark 61	E27 60 W	I	66 308025	MK6160
Park 10	GX8,5 35 W	I	66 308002	PK10
Park 40	GX8,5 35 W	I	66 308003	PK40
Garden 10	GX10 20 W	I	66 308004	GN10
Garden 40	GX10 20 W	I	66 308005	GN40
Color 10	LED RGB 30 W	III	66 308006	CO10
Color 30	LED RGB 30 W	III	66 308007	CO30
Color 45	LED RGB 30 W	III	66 308008	CO45
Double W180	2 LED 5,3 W	III	66 308015	DW180
Double W30	2 LED 5,3 W	III	66 308016	DW30
Double DL180	2 LED 5,3 W	III	66 308017	DDL180
Double DL30	2 LED 5,3 W	III	66 308018	DDL30
Double C180	LED RGB 6,8 W	III	66 308019	DC180
Double C30	LED RGB 6,8 W	III	66 308020	DC30
Mini W180	LED 5,3 W	III	66 308009	MW180
Mini W30	LED 5,3 W	III	66 308010	MW30
Mini DL180	LED 5,3 W	III	66 308011	MDL180
Mini DL30	LED 5,3 W	III	66 308012	MDL30
Mini C180	LED RGB 6,8 W	III	66 308013	MC180
Mini C30	LED RGB 6,8 W	III	66 308014	MC30



Screens

description	colour	reference	code
Dots	RB1	318010	DT
Mini dots	RB1	318012	MDT
Waves	RB1	318014	WA
Scales	RB1	318016	SC
Lines	RB1	318018	LI
Stones	RB1	318020	ST
Scratch	RB1	318022	SCH
Leaves	RB1	318024	LE
Flames	RB1	318026	FL
Crack	RB1	318028	CR
More lines	RB1	318030	ML
Grill	RB1	318032	GR
Blind	RB1	318034	BL
Dots C	RB1	318011	DTC
Mini dots C	RB1	318013	MDTC
Waves C	RB1	318015	WAC
Scales C	RB1	318017	SCC
Lines C	RB1	318019	LIC
Stones C	RB1	318021	STC
Scratch C	RB1	318023	SCHC
Leaves C	RB1	318025	LEC
Flames C	RB1	318027	FLC
Crack C	RB1	318029	CRC
More lines C	RB1	318031	MLC
Grill C	RB1	318033	GRC
Blind C	RB1	318035	BLC
Dots Anti glare	RB1	318044	DTG
Waves Anti glare	RB1	318043	WAG
Scales Anti glare	RB1	318045	SCG
Stones Anti glare	RB1	318046	STG
Crack Anti glare	RB1	318047	CRG

Accessories

description	colour	code
Ground plate/Fixing rods		318036
USB interface for DMX card		318037
IR multi-function remote control unit		318038
IR sensor		318039
IP67 driver kit with voltage 24V DC 70 W		310309

The **Grill** accessory is a protective, anti-vandalism grate that can be mounted in place of a screen to protect the underlying glass.

The **Blind** accessory is a blind screen that blocks the light beam.

The **USB interface for the DMX** card is a module that contains a software interface between the PC and the DMX communication protocol, used in the control system of the lights.

The **IR multi-function remote** makes it possible to manage and change the light emission of the light sources Color, Double C and Mini C by sending signals to a infra-red sensor.

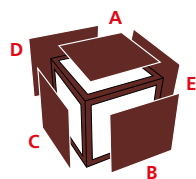
The **IR sensor** receives the commands and sends them to the light source management driver.



Screens and accessories with the C suffix are rectangular in shape and may be mounted only on the **Cut** luminaires. The screens with a **G** suffix can be mounted only on **Deco** luminaires with **Mark 61** light sources.

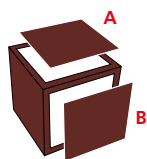
Anti glare screens: the reduced hole surface avoids unwanted glare effects in particular conditions of use.

Examples of compositions of order codes:



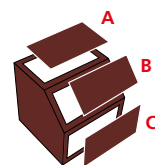
DECO - COMPLETE UNIT

Luminaire +	Light source	+ 5 screens
KIT4S DECO MK6118		GR GR GR GR GR
KIT4S DECO MK6135		BL GR GR GR GR
		A B C D E



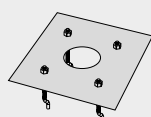
BOX - COMPLETE UNIT

Luminaire +	Light source	+ 2 screens
KIT4S BOX DDL180		MDT BL
KIT4S BOX GN40		GR GR
		A B



CUT - COMPLETE UNIT

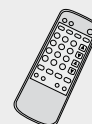
Luminaire +	Light source	+ 3 screens
KIT4S CUT DDL30		DTC DTC DTC
KIT4S CUT PK10		SCC SCC BLC
		A B C



318036



318037



318038



318039





For more information on the **4SEASONS** system, visit:

<http://www.architectural-pil.com/4seasons>.

In addition to many technical charts and animations, you will also find an interactive application that simulates a great variety of light effects that may be obtained with the screens of the **4SEASONS** system.

code	page	code	page	code	page	code	page	code	page	code	page
CODE INDEX											
000317	155	000868	71	006424	11	006761	147	008728	113	300833	185
000318	155	000869	71	006425	11	006762	147	008981	66	300834	185
000319	155	000896	120	006431	11	006763	147	009350	54	300872	179
000320	155	000897	120	006620	50	006784	156	009352	54	300873	179
000321	155	000898	120	006621	50	006785	156	009354	54	300874	179
000322	155	000899	120	006622	50	006786	156	009364	66	300875	179
000325	155	000913	64	006623	50	006787	156	009366	66	300878	74
000326	155	000915	64	006624	50	006788	156	009368	66	300879	74
000327	155	000916	64	006625	50	006789	156	009370	66	3008805	74
000328	155	000918	64	006632	48	006800	120	056406	10	3008815	74
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