MINI Roll Over

8409716

MINI Roll Over - LED 3000K 2 Openings

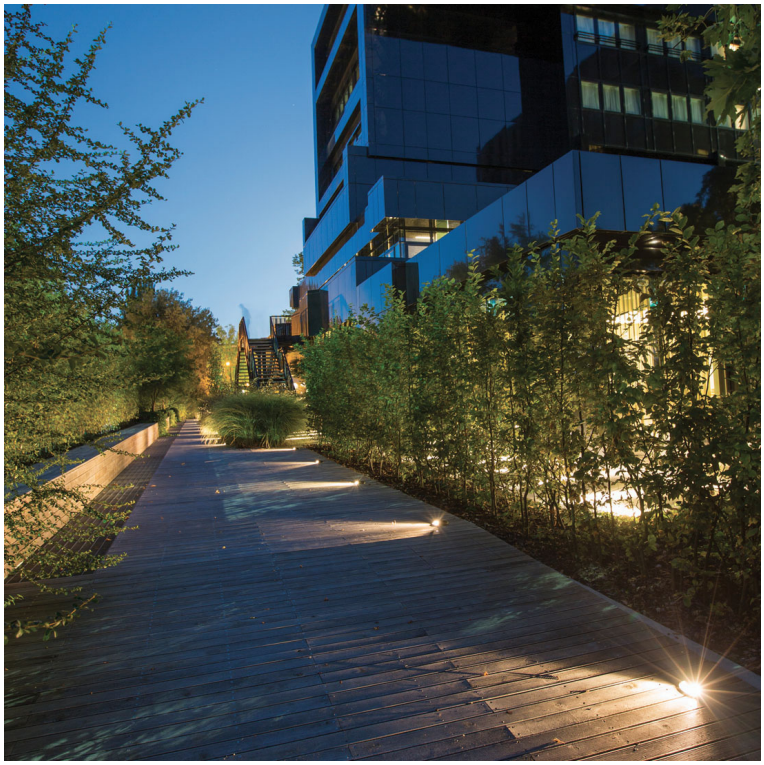
Lighting information

Source power type	LED
Colour temperature	3000K
CRI	>80
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh
Photobiological safety	RG1@0,1m

Source power	3,00 W
Nominal flux	380 lm

Plug-in power	4,20 W
Real flux	110 lm
Maximum intensity	30 cd/klm
Beam angle	2 Openings

Power Supply Unit	220 ÷ 240V
Operating frequency	50/60 Hz
Power factor	0,60
Dimmable	Not dimmable
Safety class	I
Wiring	External
Cable section	3 x 1,00 mm^2
Cable length	1.000 mm;
Cable type	H07RN-F



Protection Rating	P68 Full Dry (2m)
Breaking Strength	IK 10

Energy efficiency class	A/A+/A++
Diffuser type	Sandblasted extra-clear glass
Diffuser thickness	7 mm

Colours

Standard colour

● .01 Black

Colours available on request

○ .02 White ● .06 Grey ● .07 Corten
● .08 Anthracite

Platek®

PLATEK s.r.l.
Via Paderno, 19 | 25050 Rodengo Saiano (BS) ITALY
P.IVA 03320290178 | Codice fiscale 03007130176
Registro delle Imprese di Brescia n. 03007130176 REA 311057
Capitale sociale Euro 1.000.000,00 i.v. Società con unico socio

Last update:28/08/2020

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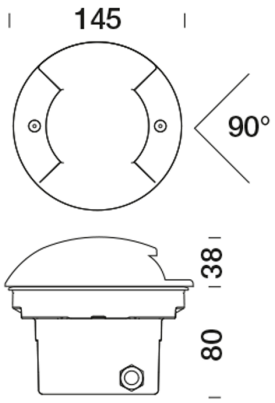
Product features

Die-cast body made of aluminum alloy with very low copper content. Closing flange in AISI 316 stainless steel. The product is subjected to galvanic anodizing treatment divided into distinct phases: mechanical satin finishing, surface degreasing, anodic oxidation and finally fixing. Subsequently the product is painted by performing a double pass in-line process, which allows you to generate a single thick protective layer which then generates barrier against atmospheric agents and UV rays. This allows to achieve corrosion resistance performance in salt spray. IP68 Degree of protection with Full Dry system which avoids condensing inside the product. Outer casing Installation cast in concrete with a 20-30 cm gravel drainage bed. Only an IP68 connection to the power supply can guarantee the same protection to the appliance. Outer casing and connector to be ordered separately.

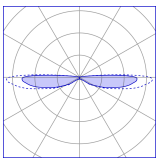
Technical dimensions



Technical shipping information

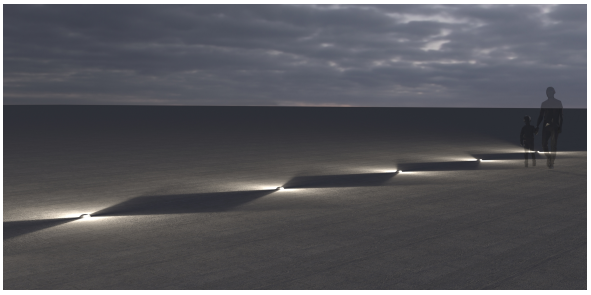
Net weight	1,45 kg
Gross weight	1,60 kg
Packaging width	140,00 mm
Packaging height	170,00 mm
Packaging depth	170,00 mm

Lighting information



Plug-in power	4,20 W
Real flux	110 lm
Maximum intensity	30 cd/klm
Beam angle	2 Openings

Lighting Simulation



2 Openings

simulation made with MINI Roll Over 4,2 W 3000K	
Optics:	2 Openings
Code:	8409716
Distance between products:	3,5 m

Plug-in power	4,20 W
Real flux	110 lm
Maximum intensity	30 cd/klm
Beam angle	2 Openings

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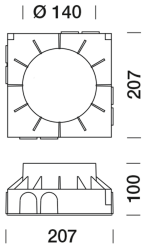
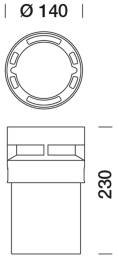
Mechanical accessories



8945015
Recessed box Ø 140 mm H. 100 mm with square base 200 mm



8945020
Recessed box Ø 140 mm H. 230 mm

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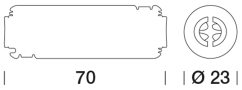
Electrical accessories

8917004
IP68 IN/OUT connector for 3x4 mm2 cable



8917014
IP68 connector for 3x1,5 mm2 cable

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The process of galvanisation and multi-coating protection
Platek goes well beyond the standards required for conventional protection processes, making use of its longstanding and in-depth expertise in aluminium alloys. All the aluminium components of the products - extruded, die-cast or turned - are subjected to a galvanic anodizing process in the phase following mechanical processing. The process increases their wear resistance and improves the adhesion of the paint. Galvanization involves three distinct phases: mechanical satin finishing and surface degreasing, anodic oxidation and fixing. After the first phase that eliminates any impurities, the aluminium body is immersed in special electrolytic tanks, in which the aluminium surface is transformed into aluminium oxide, which makes the metal more resistant. To respond optimally to the needs of the global market, all Platek products undergo a two-layer painting process. After preparation with washing and rinsing in accordance with the strictest environmental standards, the product is coated with an epoxy primer which guarantees, in addition to anodizing, an excellent degree of protection. The final step is the preparation of the polyester powder which gives the final velvety finish of the component. These last two phases, being done in a continuous cycle, form a single high-thickness layer that is resistant to the action of UV rays and atmospheric agents. This process allows corrosion resistance in salt fog that far exceeds the average standards of the market to be achieved.

The gluing process and plasma treatment
One of the most complex and delicate aspects in outdoor lighting products is the fitting of glass onto the lighting body. This must ensure over time an excellent degree of insulation from atmospheric agents, even in harsh environmental conditions, to maintain a stable performance with zero maintenance. The gluing process of the glass on Platek products is managed at an automated workstation, preceded by a pre-treatment of the surfaces with atmospheric pressure plasma. Pre-treatment modifies the characteristics and ionic properties of the treated surfaces, activates the polar materials at strategic points, removes any residue of detaching agents, such as silicones and oils with a precision microcleaning, favouring excellent wettability of the bonded surfaces and a stable seal in time. The gluing process of the glass with specific plasma treatment allows a bonding force four times greater than similar products to be obtained. The shaping of the surfaces is followed by the application of the silicone and the assembly of the glass onto the lighting body using an automated process that guarantees perfect sealing of the lamp.

Electric and thermal protection
The final piece of the Platek puzzle is its scrupulous research into the reliability of its LED products. Precisely to cater for growing market demand Platek has introduced their own electrical protection PCBs, increasing their products resistance to electrostatic discharges and power surges. Furthermore, where possible, additional (NTC) thermal protections are used, which communicate with the power supplies, regulating the electric supply to the Platek LEDs so they operate at a suitable temperature.

Test at a temperature of 40°C
In order to meet customer demand on the subject of regulation surrounding heat resistance, Platek has installed a thermal chamber to test its products and all the components at an operating temperature of 40°C (far above the 25°C required by regulatory standards), so as to certify its correct operation in outdoor environments, even equatorial and tropical. The thermal protections only intervene when the temperature is in excess of this by reducing the current to the LEDs.

Precise LED selection
All LEDS used by Platek, once assembled by trusted personnel are tested with suitable instruments to check the colour specification required by Platek standards. The choice of using only 3 McAdams colour steps and with a CRI value exceeding 90, provide a high level of light quality that is difficult to find in the world of outdoor lighting. As far as LED products are concerned, Platek has adopted a system of protection against electrostatic discharge along the entire production chain of electronic components to increase the resistance of circuits to power surges.

Product Warranty
Everything stated in the competitive benefits and in the thermal tests, has allowed Platek to offer a 3-year warranty on the whole product which is extended to 5 years on the LED circuit. The warranty starts from the date indicated on the invoice and is provided directly by Platek, without the need register the purchase on dedicated web sites.

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