



MINI ONE Downlight

1010615

MINI ONE Downlight - 1 LED 3000K 76°

DISCONTINUED
Item available until stocks are exhausted.
Please check availability with our sales department.



Lighting information

Source power type	1 LED
Colour temperature	3000K
CRI	>80
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh

Source power	6,00 W
Nominal flux	780 lm

Plug-in power	7,50 W
Real flux	615 lm
Maximum intensity	690 cd/klm
Beam angle	76°

Power Supply Unit	220 ÷ 240V
Operating frequency	0/50/60 Hz
Power factor	0,60
Dimmable	Not dimmable
Safety class	I
Luminaires of B16A MCB	Max 50
Inrush current	20A 170?sec
Wiring	Internal

Protection Rating	IP65
Breaking Strength	IK 07

Energy efficiency class	A/A+/A++
Diffuser type	Serigraphed extra-clear glass
Diffuser thickness	5 mm

Colours

Standard colour

.06 Grey .08 Anthracite

Colours available on request

.01 Black .02 White .07 Corten
 .09 Bronze



Platek®

PLATEK s.r.l.
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Capitale sociale Euro 1.000.000,00 i.v. Società con unico socio

Last update:04/02/2022



MINI ONE Downlight

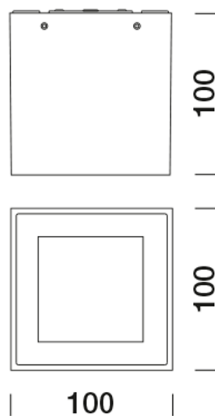
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Product features

Die-cast body and flange made of aluminum alloy with very low copper content. No visible screws. 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. Pre-treatment with atmospheric pressure plasma is carried out on the surface before gluing of the diffuser on Platek products.

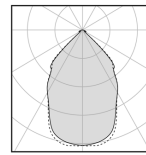
Technical dimensions



Technical shipping information

Net weight	0,95 kg
Gross weight	1,10 kg
Packaging width	160,00 mm
Packaging height	160,00 mm
Packaging depth	140,00 mm

Lighting information



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Beam angle	76°

Lighting Simulation



Wide beam angle

simulation made with MINI ONE Downlight 7,5 W 3000K

Optics:	76°
Code:	1010615
Distance from wall:	3 m
Distance between products:	3 m
Wall height:	3 m

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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.

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.

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