MESH

3250216

MESH Floor H. 800 mm - LED 3000K 87°

Lighting information

Source power type	LED
Colour temperature	3000K
CRI	>90
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh

Source power	10,00 W
Nominal flux	1050 lm

Plug-in power	12,00 W
Real flux	295 lm
Maximum intensity	545 cd/klm
Beam angle	87°

Power Supply Unit	220 ÷ 240V
Operating frequency	50/60 Hz
Power factor	0,95
Dimmable	Not dimmable
Safety class	I
Wiring	External
Cable section	3 x 1,00 mm^2
Cable length	3.000 mm;
Cable type	H05RN-F
Connector	IP44 shuko plug

Protection Rating	IP65
Breaking Strength	IK 07

Energy efficiency class	A/A+/A++
Diffuser type	Polycarbonate
Diffuser thickness	3 mm

Colours

Standard colour

○ .02 White ● .09 Bronze

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:02/09/2020

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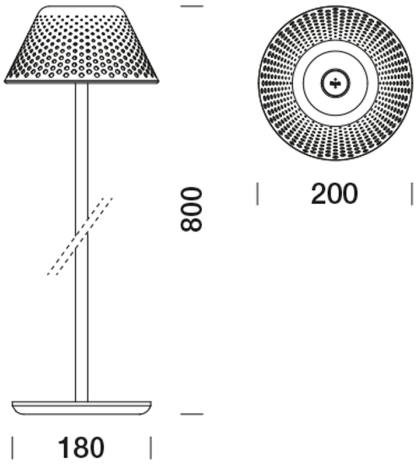
Product features

Head made of turned steel and base in die-cast aluminium with very low copper content. Rod made of steel (Mesh) or aluminium (Mesh XL). Rod made of steel. Polycarbonate opal diffuser screen. 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 the creation of 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.

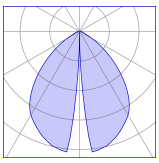
Technical dimensions



Technical shipping information

Net weight	2,70 kg
Gross weight	4,50 kg
Packaging width	930,00 mm
Packaging height	240,00 mm
Packaging depth	250,00 mm

Lighting information



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Lighting Simulation

h. 800 mm . 3000K

simulation made with MESH Piantana H. 800 mm 12,0 W 3000K	
Optics:	87°
Code:	3250216
Distance between products:	3 m

Plug-in power	12,00 W
Real flux	295 lm
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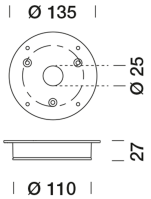
Mechanical accessories



9005165
Floor fixing plate

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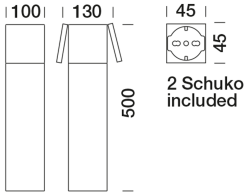
Electrical accessories



8910502
Service post H 500 mm (.08 anthracite)

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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.

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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