



NANO Floodlight



9405011

NANO Floodlight - 1 LED 3000K 14°

Lighting information

Source power type	1 LED
Colour temperature	3000K
CRI	>80
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh
Photobiological safety	RG1@1,2m

Source power	2,00 W
Nominal flux	250 lm

Plug-in power	2,70 W
Real flux	175 lm
Maximum intensity	12720 cd/klm
Beam angle	14°

Power Supply Unit	24V
Operating frequency	DC
Dimmable	PWM
Safety class	III
Wiring	External
Cable section	2 x 0,50 mm ²
Cable length	5.000 mm;
Cable type	rubber+FEP
Connector	To be ordered separately

Protection Rating	IP66
Breaking Strength	IK 08

Energy efficiency class	A/A+/A++
Diffuser type	Transparent extra-clear glass
Diffuser thickness	6 mm

Colours

Standard colour

● .01 Black ● .06 Grey

Colours available on request

○ .02 White ● .04 Green Forest ● .07 Corten
● .08 Anthracite ● .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:01/03/2022

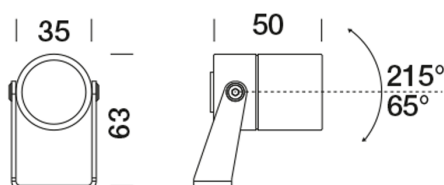


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Product features

Body and external locking flange manufactured aluminium alloy. Supplied with electronic power surge protection. Nano with constant-current transformer 24V, to be wired in parallel. NANO XL and XXL to be powered directly at 230V. For all versions grub screws in A4 stainless steel. Subjected to galvanic anodizing treatment divided into distinct phases: mechanical satin finishing, surface degreasing, anodic oxidation and final sealing. The product is painted following a continuous two step paint process (epoxy-based primer + polyester-based colour finish), which allows to generate a single thick protective coating which then generates a protective barrier against atmospheric agents and UV rays. Before fixing the diffuser on the Platek products a Pre-treatment using an atmospheric pressure plasma process is carried out on the surface. The process activates the ionic load on the surface exactly where it is needed, thus promoting the best silicone grip possible and removing any residual release of agents for a longer lasting seal. The next steps are the coating of silicone and the assembly of the diffuser on the lighting fixture, with an automated process to guarantee the perfect sealing of the lamp. IP68 protection with Full Dry system which avoids condensation inside the product.

Technical dimensions



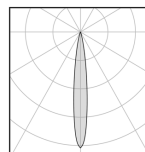
Technical shipping information

Net weight	0,40 kg
Gross weight	0,50 kg
Packaging width	150,00 mm
Packaging height	70,00 mm
Packaging depth	100,00 mm

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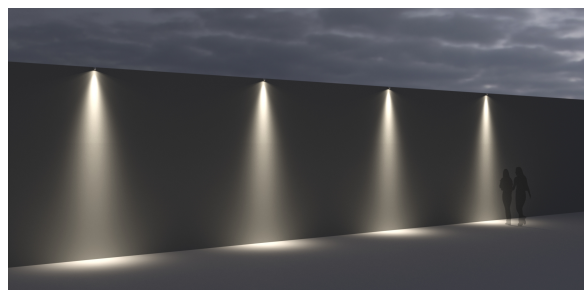
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Plug-in power	2,70 W
Real flux	175 lm
Maximum intensity	12720 cd/klm
Beam angle	14°

Lighting Simulation



Spot beam angle

simulation made with NANO Floodlight 2,7 W 3000K

Optics:	14°
Code:	9405011
Distance between products:	4 m
Wall height:	4 m

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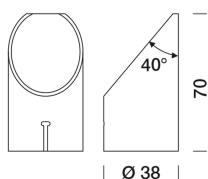


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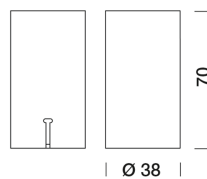
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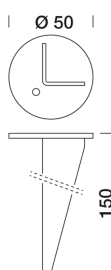
Mechanical accessories



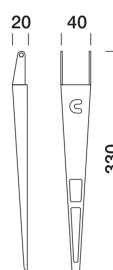
8935210
Visor



8935211
Tube shield



9005100
Stainless steel spike for floodlight



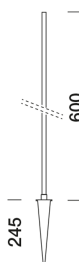
9005101
H. 285 mm stainless steel spike for floodlight



9005105
Anchor belt



9005250
H. 300 mm rod with aluminium spike



9005252
H. 600 mm rod with aluminium spike



9005255
H. 1100 mm rod with aluminium spike

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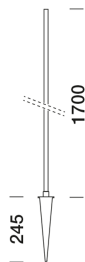


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Mechanical accessories



9005260

H. 1700 mm rod with aluminium spike

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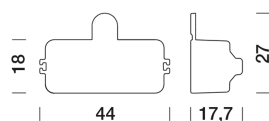


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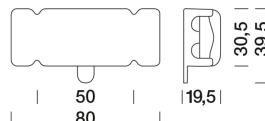
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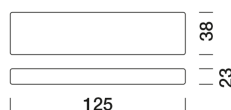
Electrical accessories



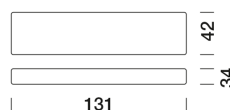
8917006
IP68 connector for 2x0,75 mm² cable



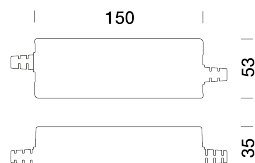
8917012
IP68 connector for 4x1,5 mm² cable



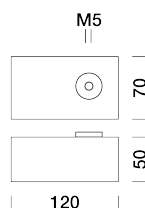
8956104
IP20 Power supply (24V DC - 30W)



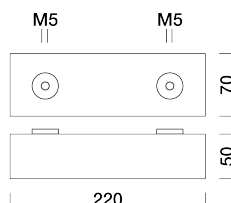
8956172
IP67 Power supply (24V DC - 30W)



8956021
Power supply DALI (24V DC - 60W) IP67



8952021
Junction box for one floodlight (Connector 8917014 included)



8952022
Junctuion box for two floodlights
(Connector 8917004 included)

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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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