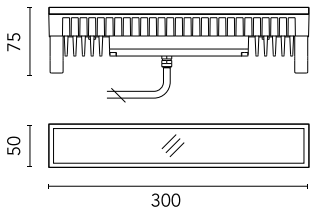
K12 In

Square luminaire for installation in wall and ground – recessed.
Configuration: die-cast aluminium structure, EN AB-47100 alloy (low copper content). Glass diffuser fixed to the aluminium body through a robotic gluing system.
Double layer coating for high resistance to corrosion: the aluminium components are painted with a double coat using powders which are compliant with QUALICOAT standards: a first layer of epoxy powder (with excellent chemical and mechanical resistance) and a second finishing layer of polyester powder (resistant to UV rays and atmospheric agents). The entire painting process of the aluminium fitting starts from components which have been sandblasted in advance to make the surface more porous and increase the adherence of the paint. Ares effects alkaline and acid washing to clean the surfaces completely, then rinses with demineralised water to remove any residue particles, subsequently a chemical conversion treatment is done to protect against rusting.
Protection rating: IP67
In compliance with EN 60598-1 standards
Class of insulation: III
Installation: the luminaire is equipped with 300mm of cable for a quick connection. K12 Power LED is equipped with a dc/dc highly efficient converter that removes electromagnetic interference and allows parallel wiring. The whole range is protected against polarity reversal and sudden voltage peak. Outdoor use requires suitable flexible cables. Installation requires a dedicated box to be ordered separately. It is important to provide a >200mm gravel layer or a drain system (for concrete surface) to ensure good drainage and to avoid water stagnation.
We recommend the use of a connection system with a protection degree greater than or equal to the protection degree of the luminaire.
During the installation and the maintenance of the fixtures it is important to be careful and avoid damages on the paint coating.
Damages on the coating exposed to outdoor conditions or water, could cause corrosion.
Chemical substances affect the anticorrosion covering protection.

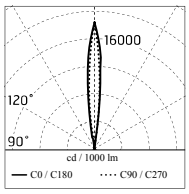


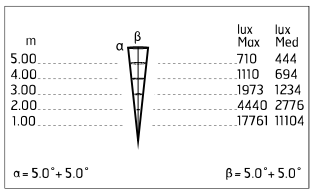
Main specifications

Power (W)	9.3	**Mountings**	Ground recessed, Wall recessed
System power (W)	11.8	**Environment**	Outdoor
CCT (K)	3000K		
CRI	80		
Net lumen (lm)	916		

Optical

Lighting type	Direct
LED type	Power LED
Light distribution	Symmetric
Optical type	Spot





Electrical

Frequency (Hz)	50-60	**Insulation class**	III
Voltage (V)	24		
Dimmable	No		
Driver type	Not dimmable		
Emergency	Without		

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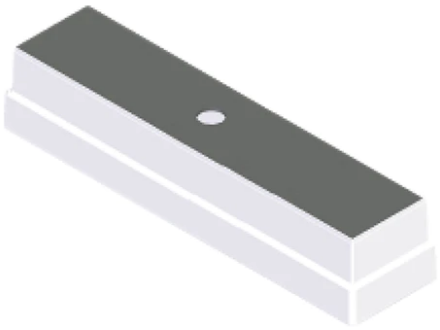

Box for Installation K12Ln
183

Suction Cup K12
153

Power Supply 20W 220÷240V/24Vdc Ip67
147

Power Supply 50W 120÷240V/24Vdc Ip67
155

Power Supply 70W 220÷240V/24Vdc Ip67
110

2 Way Terminal Block 2 Poles Ip68 H2O Stop
269