

Last information update: November 2024

Product configuration: S816

S816: Floodlight with flange - Warm White - Integrated power supply - DALI - Wide Flood - Class II



Product code

S816: Floodlight with flange - Warm White - Integrated power supply - DALI - Wide Flood - Class II

Technical description

Floodlight with LED lamp fitted with a Wide Flood optic. Consisting of an optical assembly made of EN1706AC 46100LF aluminium alloy and a forged steel flange for installation on cylindrical-conical poles. The optical assembly is subjected to a multi-step, pre-treatment process in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The optical assembly is fitted with a 5 mm thick tempered sodium-calcium glass cover. The product can be positioned at 340° on the vertical plane and 90° on the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. The product is fitted with a 7m cable hidden inside the flange and can be installed on cylindrical-conical poles using the slots in the flange. A monochrome LED circuit is located inside the product with an Opti Beam Reflector optic system. The power supply unit and DALI protocol are included in the product code. Option of using all the optic accessories that can be mounted directly on the product or via an accessory holder frame. All external screws are made of A2 stainless steel.

Installation

Pole installations can be made using two M10 screws included in the end product code.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

4.6

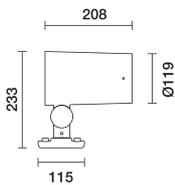
Mounting

pole-top side entry

Notes

S807, S808, S809, S810, S811, S812, S813, S814, S815: Opti Beam Lens S816, S817, S818, S819, S820, S821: Opti Beam Reflectors Insulation class II These products can be used at a maximum ambient temperature of 50°C.

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1431	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	16.1	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
lm source:	1960	Lamp code:	LED
W source:	14	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	88.9	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	73	Power factor:	See installation instructions
Beam angle [°]:	46°	Inrush current:	5 A / 220 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 81 luminaires B16A: 130 luminaires C10A: 135 luminaires C16A: 221 luminaires
Colour temperature [K]:	2700	Minimum dimming %:	1
MacAdam Step:	2	Control:	DALI-2

Polar

