

Last information update: February 2025

Product configuration: S842

S842: Floodlight with flange - Warm White - Integrated power supply - DALI - Spot - Class II

**Product code**

S842: Floodlight with flange - Warm White - Integrated power supply - DALI - Spot - Class II

Technical description

Floodlight with LED lamp fitted with a Spot 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 345° on the vertical plane and 90° on the 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 Lens 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)

6.28

Mounting

pole-top side entry

Notes

S840, S841, S842, S843, S844, S845, S846, S847: Opti Beam Lens S848, S849, S850, S851: 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**

Im system:	1290	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	18.1	Lamp code:	LED
Im source:	2150	Number of lamps for optical assembly:	1
W source:	15	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	71.3	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	60	Inrush current:	15 A / 360 µs
Beam angle [°]:	10°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 14 luminaires B16A: 23 luminaires C10A: 23 luminaires C16A: 39 luminaires
CRI (minimum):	80	Minimum dimming %:	10
Colour temperature [K]:	3000	Overvoltage protection:	10kV Common mode & 6kV Differential mode
MacAdam Step:	2	Control:	DALI-2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

