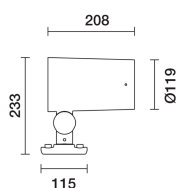


Last information update: January 2025

Product configuration: S831

S831: Floodlight with flange - Warm White - Integrated power supply - DALI - Very Wide Flood - Class II

**Product code**

S831: Floodlight with flange - Warm White - Integrated power supply - DALI - Very Wide Flood - Class II

Technical description

Floodlight with LED lamp fitted with a Very 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

S822, S823, S824, S825, S826, S827: Opti Beam Lens S828, S829, S830, S831, S832, S833: Opti Beam Reflectors Insulation class II These products can be used at a maximum ambient temperature of 35°C.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2512	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	26.5	Lamp code:	LED
Im source:	2990	Number of lamps for optical assembly:	1
W source:	24	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	94.8	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 35°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	84	Inrush current:	5 A / 50 µs
Beam angle [°]:	80°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	80	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	2700	Control:	DALI-2
MacAdam Step:	2		

max=1796 cd

90° 180° 90°

1500

0°

CIE
 nL 0.84
 90-100-100-100-84
 UGR 23.8-23.8

DIN
 A.61

UTE
 0.84A+0.00T
 F"1=899
 F"1+F"2=999
 F"1+F"2+F"3=1000

CIBSE
 LG3 L<1500 cd/m² at 65°