Palco InOut

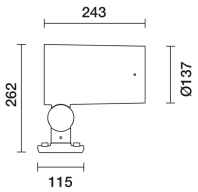
Design Artec Studio | **iGuzzini**

Last information update: February 2025

Product configuration: S843
S843: Floodlight with flange - Neutral White - Integrated power supply - DALI - Spot - Class II

Product code
S843: Floodlight with flange - Neutral 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	Weight (Kg)
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	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.

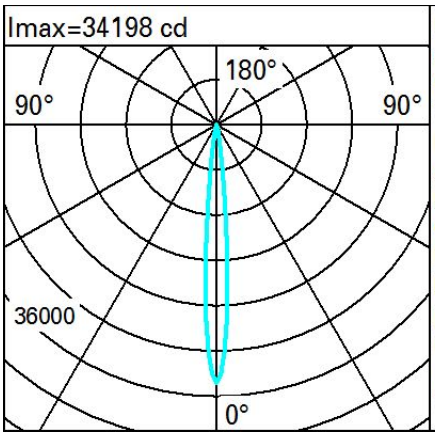
Complies with EN60598-1 and pertinent regulations

IK07 IP66

Technical data

lm system:	1308
W system:	18.1
lm source:	2180
W source:	15
Luminous efficiency (lm/W, real value):	72.3
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	60
Beam angle [°]:	10°
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	2
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Intervallo temperatura ambiente:	from -30°C to 50°C.
Power factor:	See installation instructions
Inrush current:	15 A / 360 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 14 luminaires B16A: 23 luminaires C10A: 23 luminaires C16A: 39 luminaires
Minimum dimming %:	10
Overvoltage protection:	10kV Common mode & 6kV Differential mode
Control:	DALI-2

Polar



CIE
nL 0.60
98-100-100-100-60
UGR <10-<10
DIN
A.61
UTE
0.60A+0.00T
F"1=977
F"1+F"2=995
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @