Palco InOut

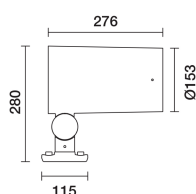**Design Artec Studio**   **iGuzzini**

Last information update: February 2025

Product configuration: S874
S874: Floodlight with flange - Warm White - Integrated power supply - DALI - Very Wide Flood - Class II - High Output

Product code
S874: Floodlight with flange - Warm White - Integrated power supply - DALI - Very Wide Flood - Class II - High Output

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 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 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. Supplied with a rubber pad for installation and cable passage.

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)
7.6

Mounting
pole-top side entry

Notes

Opti Beam Reflector 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   CE   UKCA   [S]   QCERT

Technical data

lm system:	6545	Life Time LED 2:	50,000h - L80 - B10 (Ta 40°C)
W system:	58.3	Lamp code:	LED
lm source:	7700	Number of lamps for optical assembly:	1
W source:	53		
Luminous efficiency (lm/W, real value):	112.3	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.) [%]:	85	Power factor:	See installation instructions
		Inrush current:	62 A / 202 µs
Beam angle [°]:	80°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires
CRI (minimum):	80		B16A: 10 luminaires
Colour temperature [K]:	3000		C10A: 10 luminaires
MacAdam Step:	3		C16A: 17 luminaires
Life Time LED 1:	60,000h - L80 - B10 (Ta 25°C)	Minimum dimming %:	10
		Overvoltage protection:	10kV Common mode & 6kV Differential mode
		Control:	DALI-2

Polar

Imax=4411 cd   C0-180 γ=22°

180°

90°   90°

4000

0°

CIE
nL 0.85
87-100-100-100-85
UGR 25.1-25.0
DIN
A.61
UTE
0.85A+0.00T
F"1=870
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°