Palco InOut

Design Artec Studio | **iGuzzini**

Last information update: March 2025

Product configuration: Q687
Q687: Outdoor floodlight - Neutral White LED - Flood

Product code
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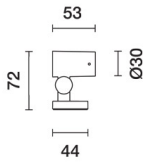
Technical description
Outdoor floodlight designed to use LED lamps and a spot optic. Consists of an optical assembly and a base. The optical assembly, arm and base are made of aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The painting stage consists of a primer and a liquid acrylic paint, cured at 150 °C, with a high level of weather resistance. 4mm thick extra-clear sodium-calcium closure glass. Secured using a 360° adjustable base. Adjustable horizontally. Complete with an LED circuit and an Opti Beam optic system and fitted with a protection system against polarity inversion. If connected in series with more than one product, the circuit stops the whole line turning off following an incorrect connection or product breakage. Option of mounting optical accessories externally using an accessory-holder frame. Black rubber outlet cable complete with an anti-transpiration device. Electronic control gear to be ordered separately. All external screws used are made of A2 stainless steel.

Installation
Floor, wall or ceiling installation and ground installation using a spike.



Colour	**Weight (Kg)**
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	0.17

Mounting
wall surface|ground spike

Wiring
The product is supplied with a black rubber outlet cable complete with an anti-transpiration device.

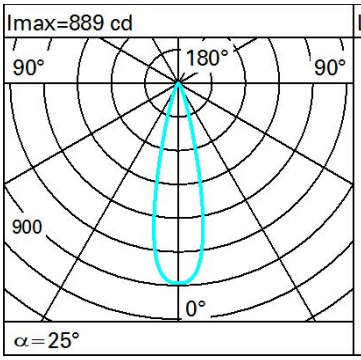
Complies with EN60598-1 and pertinent regulations

IK07 IP66

Technical data

lm system:	189	MacAdam Step:	2
W system:	2.5	Life Time LED 1:	58,000h - L80 - B10 (Ta 25°C)
lm source:	300	Life Time LED 2:	58,000h - L80 - B10 (Ta 40°C)
W source:	2.5	Lamp code:	LED
Luminous efficiency (lm/W, real value):	75.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	63	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	24°	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=40°C
CRI (minimum):	80	LED current [mA]:	850
Colour temperature [K]:	4000		

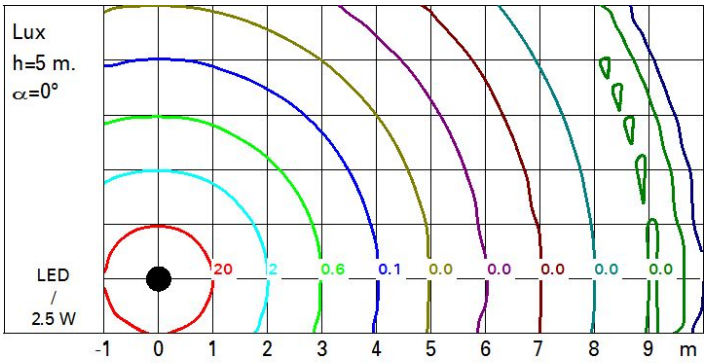
Polar



Lux

h	d	Em	Emax
2	0.9	187	222
4	1.8	47	56
6	2.7	21	25
8	3.5	12	14

Isolux



UGR diagram

Corrected UGR values (at 300 lm bare lamp luminous flux)

Riflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	11.2	13.3	11.6	13.6	13.9	11.2	13.3	11.6	13.6	13.9
	3H	11.1	12.6	11.5	13.0	13.3	11.1	12.6	11.5	12.9	13.3
	4H	11.1	12.3	11.4	12.6	13.0	11.0	12.3	11.4	12.6	13.0
	6H	11.0	12.0	11.4	12.3	12.7	11.0	12.0	11.4	12.3	12.6
	8H	11.0	12.0	11.4	12.3	12.7	10.9	11.9	11.3	12.3	12.6
	12H	11.0	11.9	11.4	12.3	12.7	10.9	11.9	11.3	12.2	12.6
4H	2H	11.0	12.3	11.4	12.6	13.0	11.1	12.3	11.4	12.6	13.0
	3H	10.9	11.9	11.3	12.3	12.6	10.9	11.9	11.3	12.3	12.6
	4H	10.8	11.8	11.3	12.2	12.6	10.8	11.8	11.3	12.2	12.6
	6H	10.5	12.1	11.0	12.6	13.1	10.5	12.1	11.0	12.6	13.0
	8H	10.4	12.2	10.9	12.7	13.2	10.4	12.2	10.8	12.7	13.2
	12H	10.3	12.2	10.8	12.7	13.2	10.3	12.2	10.8	12.6	13.2
8H	4H	10.4	12.2	10.8	12.7	13.2	10.4	12.2	10.9	12.7	13.2
	6H	10.3	12.0	10.8	12.5	13.0	10.3	12.0	10.8	12.5	13.0
	8H	10.3	11.8	10.8	12.3	12.8	10.3	11.8	10.8	12.3	12.8
	12H	10.4	11.5	11.0	12.0	12.5	10.4	11.5	10.9	12.0	12.5
12H	4H	10.3	12.2	10.8	12.6	13.2	10.3	12.2	10.8	12.7	13.2
	6H	10.3	11.8	10.8	12.3	12.8	10.3	11.8	10.8	12.3	12.8
	8H	10.4	11.5	10.9	12.0	12.5	10.4	11.5	11.0	12.0	12.5

Variations with the observer position at spacing:

S =			
	1.0H	5.8 / -8.7	5.8 / -8.7
	1.5H	8.6 / -10.0	8.6 / -10.0
	2.0H	10.6 / -10.8	10.6 / -10.8