Palco InOut

Design Artec3 Studio

iGuzzini

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Outdoor floodlight - Neutral White LED - Spot

Product code

Q690

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.

Dimension (mm)

Ø49

Colour

White (01) | Grey (15)

Weight (Kg)

0.4

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

IK08 IP66











Product configuration: Q690

Product characteristics

Total lighting output [Lm]: 497 Total power [W]: 6.1 Luminous efficacy [Lm/W]: 81.5

Life Time: 100,000h - L80 - B10 (Ta 25°C)

Ambient temperature range: from -20°C to +35°C (*)

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Total luminous flux at or above an angle of 90 $^{\circ}$ [Lm]: 0

Emergency luminous flux [Lm]: / Voltage [V]: -

Life Time: 50,000h - L80 - B10 (Ta 40°C)

Number of optical assemblies: 1

* Preliminary data

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 70

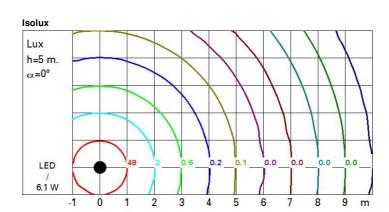
Lamp code: LED ZVEI Code: LED Nominal power [W]: 6.1 Nominal luminous [Lm]: 710 Lamp maximum intensity [cd]: / Beam angle [°]: 16° Number of lamps for optical assembly: 1 Socket: /

Ballast losses [W]: 0 Colour temperature [K]: 4000 CRI: 80

Wavelength [Nm]: / MacAdam Step: 3

Polar

lmax=5038 cd	Lux			
90° 180° 90°	h	d	Em	Emax
	2	0.6	983	1260
	4	1.1	246	315
4500	6	1.7	109	140
α=16°	8	2.2	61	79



UGR diagram

2H 1 4H 1 8H	/ I.	0.70 0.50 0.20 6.0 6.0 6.0 5.9 5.9 5.9 5.7 5.4	8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	0.50 0.50 0.20 viewed crosswis 6.4 6.3 6.3 6.3 6.3 6.3		0.30 0.30 0.20 8.7 8.0 7.6 7.3 7.4 7.5	0.70 0.50 0.20 6.0 5.9 5.9 5.9 5.8 5.8		0.50 0.50 0.20 viewed endwise 6.4 6.3 6.3 6.3 6.2 6.1		0.30 0.30 0.20 8.7 7.6 7.3 7.3 7.3 7.4
walls work pl. Room d x 2H 1 4H	2H 3H 4H 6H 12H 2H 3H 4H	0.50 0.20 6.0 6.0 6.0 5.9 5.9 5.9 5.9	0.30 0.20 8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	0.50 0.20 viewed crosswis 6.4 6.3 6.3 6.3 6.3 6.3	0.30 0.20 e 8.4 7.6 7.3 7.0 7.1	8.7 8.0 7.6 7.3 7.4 7.5	0.50 0.20 6.0 5.9 5.9 5.8 5.8	0.30 0.20 8.1 7.3 7.0 6.6 6.6 6.6	0.50 0.20 viewed endwise 6.4 6.3 6.3 6.3 6.2 6.1	0.30 0.20 8.4 7.6 7.3 6.9 6.9 7.0	0.30 0.20 8.7 7.6 7.3 7.3 7.3
work pl. Room d x 2H 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.20 6.0 6.0 6.0 5.9 5.9 5.9 5.9	0.20 8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	0.20 viewed crosswis 6.4 6.3 6.4 6.3 6.3 6.3	0.20 e 8.4 7.6 7.3 7.0 7.0 7.1	8.7 8.0 7.6 7.3 7.4 7.5	0.20 6.0 5.9 5.9 5.9 5.8 5.8	0.20 8.1 7.3 7.0 6.6 6.6 6.6	0.20 viewed endwise 6.4 6.3 6.3 6.3 6.2 6.1	0.20 8.4 7.6 7.3 6.9 6.9 7.0	0.20 8.7 7.8 7.8 7.3 7.3 7.6
2H 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	6.0 6.0 6.0 5.9 5.9 5.9 5.9	8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	viewed crosswis 6.4 6.3 6.3 6.4 6.3 6.3 6.3 6.3	e 8.4 7.6 7.3 7.0 7.0 7.1	8.7 8.0 7.6 7.3 7.4 7.5	6.0 5.9 5.9 5.9 5.8 5.8	8.1 7.3 7.0 6.6 6.6 6.6	0.4 6.3 6.3 6.3 6.2 6.1	8.4 7.6 7.3 6.9 6.9 7.0	8.7 7.6 7.3 7.3 7.3
2H 1 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	6.0 6.0 5.9 5.9 5.9 5.8 5.7	8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	6.4 6.3 6.3 6.4 6.3 6.3 6.3	8.4 7.6 7.3 7.0 7.0 7.1	8.0 7.6 7.3 7.4 7.5	5.9 5.9 5.9 5.8 5.8	8.1 7.3 7.0 6.6 6.6 6.6 7.0	6.4 6.3 6.3 6.3 6.2 6.1	8.4 7.6 7.3 6.9 6.9 7.0	7.9 7.6 7.3 7.3 7.3
2H 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	6.0 6.0 5.9 5.9 5.9 5.8 5.7	8.1 7.3 7.0 6.7 6.7 6.7 7.0 6.7	6.4 6.3 6.3 6.4 6.3 6.3 6.3	8.4 7.6 7.3 7.0 7.0 7.1	8.0 7.6 7.3 7.4 7.5	5.9 5.9 5.9 5.8 5.8	8.1 7.3 7.0 6.6 6.6 6.6	6.4 6.3 6.3 6.3 6.2 6.1	8.4 7.6 7.3 6.9 6.9 7.0	7.9 7.6 7.3 7.3 7.3
1 4H 1 8H	3H 4H 6H 8H 12H 2H 3H 4H	6.0 6.0 5.9 5.9 5.9 5.8 5.7	7.3 7.0 6.7 6.7 6.7 7.0 6.7 6.7	6.3 6.3 6.4 6.3 6.3 6.3	7.6 7.3 7.0 7.0 7.1	8.0 7.6 7.3 7.4 7.5	5.9 5.9 5.9 5.8 5.8	7.3 7.0 6.6 6.6 6.6 7.0	6.3 6.3 6.3 6.2 6.1	7.6 7.3 6.9 6.9 7.0	7.9 7.6 7.3 7.3 7.3
1 4H 1 8H	4H 6H 8H 12H 2H 3H 4H	6.0 6.0 5.9 5.9 5.9 5.9 5.8 5.7	7.0 6.7 6.7 6.7 7.0 6.7 6.7	6.3 6.4 6.3 6.3 6.3	7.3 7.0 7.0 7.1 7.3	7.6 7.3 7.4 7.5	5.9 5.9 5.8 5.8	7.0 6.6 6.6 6.6 7.0	6.3 6.3 6.2 6.1	7.3 6.9 6.9 7.0	7.6 7.3 7.3 7.3
1 4H 1	6H 8H 12H 2H 3H 4H	5.9 5.9 5.9 5.8 5.7	6.7 6.7 6.7 7.0 6.7 6.7	6.4 6.3 6.3 6.3	7.0 7.0 7.1 7.3	7.3 7.4 7.5	5.9 5.8 5.8 6.0	6.6 6.6 6.6	6.3 6.2 6.1	6.9 6.9 7.0	7.3 7.3 7.3 7.6
1 4H 1 8H	2H 3H 4H	5.9 5.9 5.9 5.8 5.7	6.7 6.7 7.0 6.7 6.7	6.3 6.3 6.3 6.2	7.0 7.1 7.3	7.4 7.5 7.6	5.8 5.8 6.0	6.6 6.6 7.0	6.2 6.1 6.3	6.9 7.0 7.3	7.3 7.3 7.6
1 4H 1 8H	12H 2H 3H 4H	5.9 5.9 5.8 5.7	7.0 6.7 6.7	6.3 6.2	7. 1 7.3	7.5 7.6	5.8	6.6 7.0	6.1	7.0	7.0
4H 1	2H 3H 4H	5.9 5.8 5.7	7.0 6.7 6.7	6.3 6.2	7.3	7.6	6.0	7.0	6.3	7.3	7.0
1 8H	3H 4H	5.8 5.7	6.7 6.7	6.2							
1 8H	4H	5.7	6.7		7.0	7.4	5.9	67	6.2	7.1	7.
1 8H		2366		6.1				0.1			
1 8H	бН	54		w	7.1	7.5	5.7	6.7	6.1	7.1	7.5
1 8H			7.1	5.9	7.6	8.1	5.4	7.1	5.8	7.5	8.6
8H	H8	5.3	7.2	5.8	7.7	8.2	5.2	7.2	5.7	7.6	8.
Name of the second	12H	5.3	7.2	5.8	7.7	8.2	5.2	7.1	5.7	7.6	8.
	4H	5.2	7.2	5.7	7.6	8.1	5.3	7.2	5.8	7.7	8.2
	бН	5.3	7.0	5.8	7.4	0.8	5.3	7.0	5.8	7.5	8.6
1	8H	5.4	6.7	5.9	7.2	7.8	5.4	6.7	5.9	7.2	7.8
12H	12H	5.6	6.5	6.1	7.0	7.5	5.5	6.4	6.0	6.9	7.5
12H	4H	5.2	7.1	5.7	7.6	8.1	5.3	7.2	5.8	7.7	8.2
	бН	5.3	6.7	5.8	7.2	7.7	5.4	6.8	5.9	7.3	7.8
	8H	5.5	6.4	6.0	6.9	7.5	5.6	6.5	6.1	7.0	7.5
Variation	ons wi	th the ol	bserverp	osition	at spacir	ng:					
	1.0H		4	.2 / -5	.4				.2 / -5.		
1	1.5H		6	0- / 8.	.7			6	.8 / -6.	.7	