Palco InOut

Design Artec Studio **iGuzzini**

Last information update: March 2025

Product configuration: Q698
Q698: Spotlight with base - Warm White Led - Class III - Spot optic

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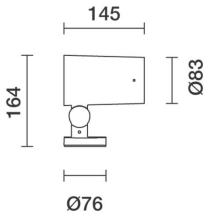
Technical description
Spotlight designed to use LED lamps and a Spot optic. The optical assembly and base is made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The 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. 5 mm thick tempered sodium-calcium closing glass. Double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks for rotation on both the vertical axis and horizontal plane. Complete with a monochrome LED circuit and an Opti Beam Reflector optic system. The product is supplied with a PG13.5 cable gland and black rubber outlet cable complete with anti-transpiration device. Black rubber outlet cable complete with anti-transpiration device. Electronic ballast to be ordered separately. Option of using optic accessories assembled via an accessory holder frame. All external screws used are made of A2 stainless steel.



Installation
Floor, wall, ceiling or ground-installed via a stake.

Colour	**Weight (Kg)**
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	1.3

Mounting
wall surface|ground spike

Wiring
The product is supplied with a black rubber outlet cable complete with anti-transpiration device L=1000mm.

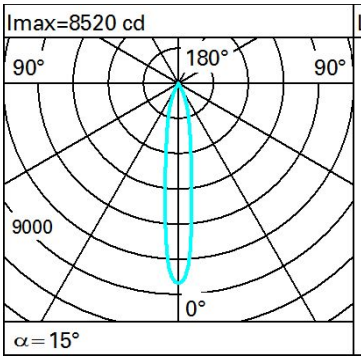
Complies with EN60598-1 and pertinent regulations

IK07 IP66

Technical data

lm system:	1263	MacAdam Step:	2
W system:	12	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	1830	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	12	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.2	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.) [%]:	69	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	16°	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=40°C
CRI (minimum):	80	LED current [mA]:	350
Colour temperature [K]:	3000		

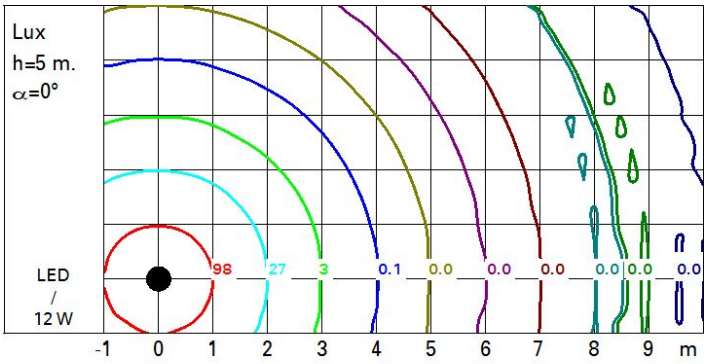
Polar



Lux

h	d	Em	Emax
8	2.1	103	133
16	4.3	26	33
24	6.4	11	15
32	8.5	6	8

Isolux



UGR diagram

Corrected UGR values (at 1830 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	1.2	3.3	1.6	3.7	4.0	1.2	3.3	1.6	3.7	4.0
	3H	1.3	2.9	1.6	3.2	3.6	1.1	2.7	1.5	3.1	3.4
	4H	1.3	2.6	1.6	2.9	3.3	1.1	2.4	1.5	2.8	3.1
	6H	1.2	2.3	1.6	2.6	3.0	1.1	2.1	1.5	2.4	2.8
	8H	1.2	2.2	1.6	2.6	2.9	1.0	2.1	1.4	2.4	2.8
	12H	1.1	2.2	1.5	2.5	2.9	1.0	2.0	1.4	2.4	2.8
4H	2H	1.1	2.4	1.5	2.8	3.1	1.3	2.6	1.6	2.9	3.3
	3H	1.2	2.3	1.6	2.6	3.0	1.2	2.3	1.6	2.7	3.0
	4H	1.2	2.2	1.6	2.6	3.1	1.2	2.2	1.6	2.6	3.1
	6H	0.8	2.6	1.3	3.0	3.5	0.8	2.6	1.3	3.0	3.5
	8H	0.7	2.6	1.2	3.1	3.6	0.7	2.6	1.2	3.1	3.6
	12H	0.6	2.6	1.1	3.1	3.6	0.6	2.6	1.1	3.1	3.6
8H	4H	0.7	2.6	1.2	3.1	3.6	0.7	2.6	1.2	3.1	3.6
	6H	0.6	2.4	1.1	2.9	3.4	0.6	2.4	1.1	2.9	3.4
	8H	0.6	2.2	1.1	2.7	3.2	0.6	2.2	1.1	2.7	3.2
	12H	0.8	1.7	1.3	2.2	2.8	0.8	1.7	1.3	2.2	2.8
12H	4H	0.6	2.6	1.1	3.1	3.6	0.6	2.6	1.1	3.1	3.6
	6H	0.6	2.2	1.1	2.7	3.2	0.6	2.2	1.1	2.7	3.2
	8H	0.8	1.7	1.3	2.2	2.8	0.8	1.7	1.3	2.2	2.8

Variations with the observer position at spacing:

S =			
	1.0H	6.1 / -5.7	6.1 / -5.7
	1.5H	8.9 / -6.6	8.9 / -6.6
	2.0H	10.8 / -6.9	10.8 / -6.9