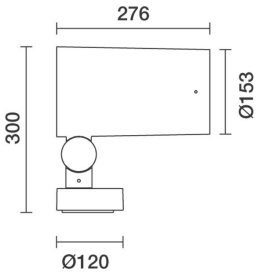
Palco InOut

Design Artec Studio | **iGuzzini**

Last information update: March 2025

Product configuration: EI80
EI80: Spotlight with base - Neutral White Led - integrated electronic control gear - Wide Flood optic



Product code
EI80: Spotlight with base - Neutral White Led - integrated electronic control gear - Wide Flood optic

Technical description
Spotlight designed to use LED lamps and a Wide Flood 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 includes a PG13.5 cable gland. Electronic DALI ballast integrated in product. 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 via pole.

Colour
White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)
6.56

Mounting
wall arm|ground surface|wall surface|ceiling surface

Wiring
Double PG.

Complies with EN60598-1 and pertinent regulations

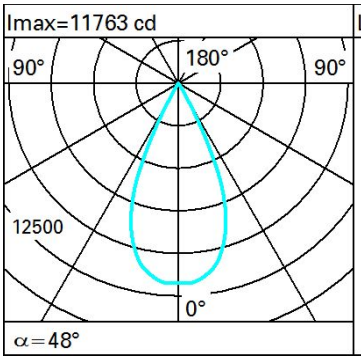
IK07 IP66

Technical data

lm system:	6160
W system:	57.4
lm source:	8000
W source:	53
Luminous efficiency (lm/W, real value):	107.3
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	77
Beam angle [°]:	48°
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	2

Life Time LED 1:	100,000h - L90 - B10 (Ta 25°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 35°C.
Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=25°C
Power factor:	See installation instructions
Inrush current:	43 A / 260 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
Overvoltage protection:	10kV Common mode & 6kV Differential mode
Control:	DALI-2

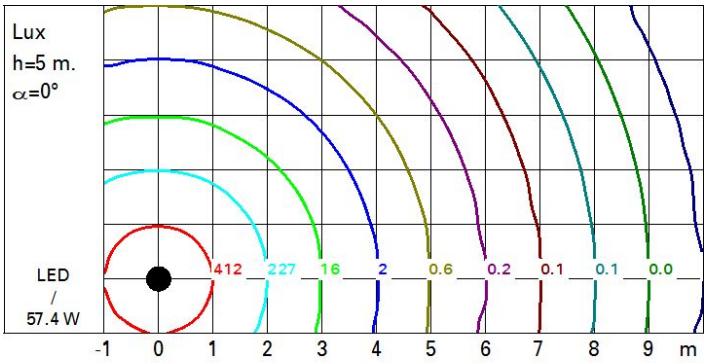
Polar



Lux

h	d	Em	Emax
8	7.1	146	184
16	14.1	36	46
24	21.2	16	20
32	28.3	9	11

Isolux



UGR diagram

Corrected UGR values (at 8000 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	6.7	7.3	7.0	7.5	7.7	6.7	7.3	7.0	7.5	7.7
	3H	6.6	7.1	6.9	7.4	7.7	6.6	7.1	6.9	7.4	7.7
	4H	6.5	7.0	6.9	7.3	7.6	6.5	7.0	6.9	7.3	7.6
	6H	6.5	6.9	6.8	7.2	7.6	6.5	6.9	6.8	7.2	7.5
	8H	6.4	6.9	6.8	7.2	7.5	6.4	6.9	6.8	7.2	7.5
	12H	6.4	6.8	6.8	7.1	7.5	6.4	6.8	6.8	7.1	7.5
4H	2H	6.5	7.0	6.9	7.3	7.6	6.5	7.0	6.9	7.3	7.6
	3H	6.4	6.9	6.8	7.2	7.6	6.4	6.9	6.8	7.2	7.6
	4H	6.4	6.7	6.8	7.1	7.5	6.4	6.7	6.8	7.1	7.5
	6H	6.3	6.6	6.7	7.0	7.4	6.3	6.6	6.7	7.0	7.4
	8H	6.2	6.5	6.7	7.0	7.4	6.2	6.5	6.7	7.0	7.4
	12H	6.2	6.5	6.7	6.9	7.4	6.2	6.5	6.7	6.9	7.4
8H	4H	6.2	6.5	6.7	7.0	7.4	6.2	6.5	6.7	7.0	7.4
	6H	6.2	6.4	6.6	6.9	7.3	6.2	6.4	6.6	6.9	7.3
	8H	6.1	6.3	6.6	6.8	7.3	6.1	6.3	6.6	6.8	7.3
	12H	6.1	6.2	6.6	6.7	7.2	6.1	6.2	6.6	6.7	7.2
12H	4H	6.2	6.5	6.7	6.9	7.4	6.2	6.5	6.7	6.9	7.4
	6H	6.1	6.3	6.6	6.8	7.3	6.1	6.3	6.6	6.8	7.3
	8H	6.1	6.2	6.6	6.7	7.2	6.1	6.2	6.6	6.7	7.2

Variations with the observer position at spacing:

S =			
1.0H	5.6 / -6.7		5.6 / -6.7
1.5H	8.3 / -8.8		8.3 / -8.8
2.0H	10.3 / -10.4		10.3 / -10.4