4ward

Design RPBW Design   **iGuzzini**

Last information update: May 2024

Product configuration: P046
P046: spotlight- warm white - 26° optic

Product code
P046: spotlight- warm white - 26° optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on a mains voltage track. Die-cast aluminium optical assembly and brackets, the back of the product is slightly rounded and made of a thermoplastic material. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Equipped with electronic ballast. Luminaire complete with C.O.B. technology LED unit in warm white colour 3000K. Option of installing a flat accessory that can be either an eliptical distribution refractor, a soft lens filter or a louver.

Installation
on an electrified track or special base

Colour   **Weight (Kg)**
White (01) | Black (04) | White / Chrome (E4)   1.4

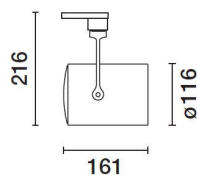**Mounting**
three circuit track

Wiring
product complete with electronic components
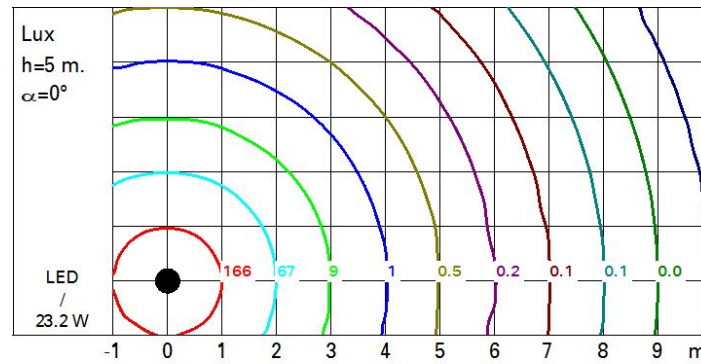
Complies with EN60598-1 and pertinent regulations

IP20   IP40   for optical assembly   CE

Technical data

lm system:	2305	CRI:	80
W system:	23.2	Colour temperature [K]:	3000
lm source:	3000	MacAdam Step:	2
W source:	20	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	99.2	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	30°		

Polar

Imax=7031 cd

α=30°

h	d	Em	Emax
2	1.1	1312	1758
4	2.1	328	439
6	3.2	146	195
8	4.3	82	110

Isolux

Lux
h=5 m.
α=0°

LED
/
23.2 W

166 67 9 1 0.5 0.2 0.1 0.1 0.0

-1 0 1 2 3 4 5 6 7 8 9 m

UGR diagram

Corrected UGR values (at 3000 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					viewed			
x	y		crosswise					endwise			
2H	2H	10.4	11.0	10.7	11.2	11.5	10.4	11.0	10.7	11.2	11.5
	3H	10.5	11.0	10.8	11.2	11.5	10.4	10.9	10.7	11.2	11.4
	4H	10.5	10.9	10.8	11.2	11.5	10.3	10.8	10.7	11.1	11.4
	6H	10.4	10.9	10.8	11.2	11.5	10.3	10.7	10.6	11.0	11.4
	8H	10.4	10.9	10.8	11.2	11.5	10.2	10.7	10.6	11.0	11.3
	12H	10.4	10.8	10.8	11.2	11.5	10.2	10.6	10.6	11.0	11.3
4H	2H	10.3	10.8	10.7	11.1	11.4	10.5	10.9	10.8	11.2	11.5
	3H	10.4	10.8	10.8	11.2	11.5	10.5	10.9	10.8	11.2	11.6
	4H	10.4	10.8	10.8	11.2	11.5	10.4	10.8	10.8	11.2	11.5
	6H	10.5	10.8	10.9	11.2	11.6	10.4	10.7	10.8	11.1	11.5
	8H	10.5	10.7	10.9	11.2	11.6	10.4	10.7	10.8	11.1	11.5
	12H	10.4	10.7	10.9	11.1	11.6	10.3	10.6	10.8	11.0	11.5
8H	4H	10.4	10.7	10.8	11.1	11.5	10.5	10.7	10.9	11.2	11.6
	6H	10.4	10.7	10.9	11.1	11.6	10.5	10.7	10.9	11.1	11.6
	8H	10.4	10.6	10.9	11.1	11.6	10.4	10.6	10.9	11.1	11.6
	12H	10.5	10.6	11.0	11.1	11.6	10.4	10.6	10.9	11.1	11.6
12H	4H	10.3	10.6	10.8	11.0	11.5	10.4	10.7	10.9	11.1	11.6
	6H	10.4	10.6	10.9	11.1	11.6	10.5	10.7	10.9	11.1	11.6
	8H	10.4	10.6	10.9	11.1	11.6	10.5	10.6	11.0	11.1	11.6

Variations with the observer position at spacing:

S =	1.0H	4.2 / -3.7	4.2 / -3.7
	1.5H	6.8 / -4.6	6.8 / -4.6
	2.0H	8.7 / -5.1	8.7 / -5.1