

Last information update: May 2024

Product configuration: P049

P049: spotlight - warm white 26° optic

**Product code**P049: 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 CRI90. Option of installing a flat accessory that can be either an elliptical distribution refractor, a soft lens filter or a louver.

Installation

on an electrified track or special base

Colour

White (01) | Black (04) | White / Chrome (E4)

Weight (Kg)

1.4

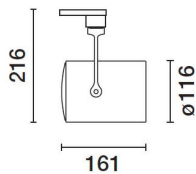
Mounting

three circuit track

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations

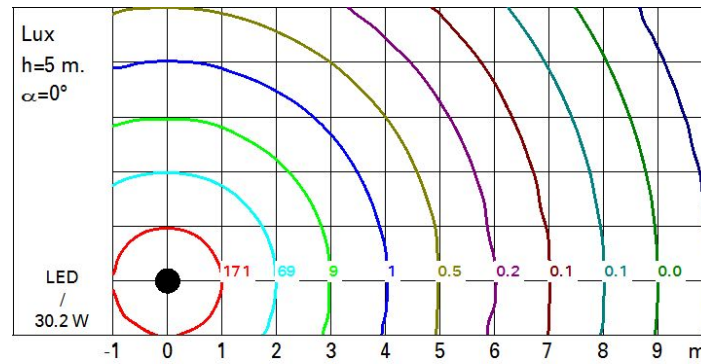
**Technical data**

lm system:	2382	CRI:	90
W system:	30.2	Colour temperature [K]:	3000
lm source:	3100	MacAdam Step:	2
W source:	27	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	78.9	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=7265 cd		Lux			
		h	d	Em	Emax
		2	1.1	1356	1816
		4	2.1	339	454
		6	3.2	151	202
		8	4.3	85	114
	$\alpha = 30^\circ$				

Isolux



UGR diagram

Corrected UGR values (at 3100 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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	10.5	11.1	10.8	11.4	11.6	10.5	11.1	10.8	11.4	11.6
	3H	10.6	11.1	10.9	11.4	11.6	10.5	11.0	10.8	11.3	11.6
	4H	10.6	11.1	10.9	11.3	11.6	10.5	10.9	10.8	11.2	11.5
	6H	10.6	11.0	10.9	11.3	11.6	10.4	10.8	10.7	11.1	11.5
	8H	10.6	11.0	10.9	11.3	11.6	10.4	10.8	10.7	11.1	11.4
	12H	10.5	11.0	10.9	11.3	11.6	10.3	10.7	10.7	11.1	11.4
4H	2H	10.5	10.9	10.8	11.2	11.5	10.6	11.1	10.9	11.3	11.6
	3H	10.5	10.9	10.9	11.3	11.6	10.6	11.0	10.9	11.3	11.7
	4H	10.5	10.9	10.9	11.3	11.7	10.5	10.9	10.9	11.3	11.7
	6H	10.6	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	8H	10.6	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	12H	10.6	10.8	11.0	11.3	11.7	10.4	10.7	10.9	11.1	11.6
8H	4H	10.5	10.8	10.9	11.2	11.6	10.6	10.9	11.0	11.3	11.7
	6H	10.5	10.8	11.0	11.2	11.7	10.6	10.8	11.0	11.3	11.7
	8H	10.6	10.8	11.0	11.2	11.7	10.6	10.8	11.0	11.2	11.7
	12H	10.6	10.7	11.1	11.2	11.7	10.5	10.7	11.0	11.2	11.7
12H	4H	10.4	10.7	10.9	11.1	11.6	10.6	10.8	11.0	11.3	11.7
	6H	10.5	10.7	11.0	11.2	11.7	10.6	10.8	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.6	10.7	11.1	11.2	11.7
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				