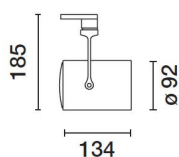


Last information update: May 2018

**spotlight- neutral white - 50° optic**

Product code
P035

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 neutral white colour 4,000K. 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

Dimension (mm)

Ø92x185

Colour

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

Weight (Kg)

0.95

Mounting

three circuit track

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

**Product configuration: P035****Product characteristics**

Total lighting output [Lm]: 1697
Total power [W]: 15.4
Luminous efficacy [Lm/W]: 110.3
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 13
Nominal luminous [Lm]: 2150
Lamp maximum intensity [cd]: /
Beam angle [°]: 56°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.4
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

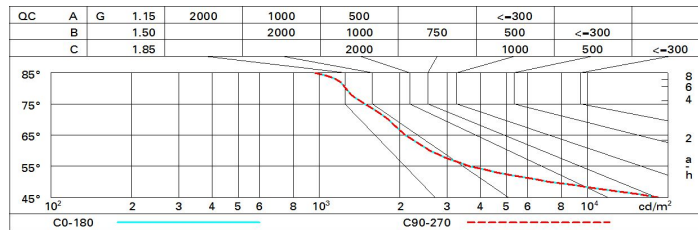
Polar

Imax=2181 cd	CIE nL 0.79 98-100-100-100-79 UGR 17.7-17.7 DIN A.61 UTE 0.79A+0.00T F*1=975 F*1+F*2=997 F*1+F*2+F*3=1000 CIBSE BZ1	Lux			
		h	d	Em	Emax
90°		2	2.1	432	541
180°		4	4.3	108	135
2000		6	6.4	48	60
0°		8	8.5	27	34
α=56°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	63	63	61	77
1.0	74	70	68	66	69	67	67	64	81
1.5	78	75	73	71	74	72	72	69	88
2.0	80	78	77	75	77	76	75	73	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	80	80	79	77	97
4.0	84	83	82	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2150 lm bare lamp luminous flux)										
Reflect.:										
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										
x										
y										
			viewed	viewed				viewed	viewed	
			crosswise	crosswise				endwise	endwise	
2H	2H	18.2	18.8	18.5	19.1	19.3	18.2	18.8	18.5	19.1
	3H	18.1	18.6	18.4	18.9	19.2	18.1	18.6	18.4	18.9
	4H	18.0	18.5	18.4	18.8	19.1	18.0	18.5	18.4	18.8
	6H	18.0	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7
	8H	17.9	18.4	18.3	18.7	19.0	17.9	18.4	18.3	18.7
	12H	17.9	18.3	18.3	18.7	19.0	17.9	18.3	18.2	18.6
4H	2H	18.0	18.5	18.4	18.8	19.1	18.0	18.5	18.4	18.8
	3H	17.9	18.3	18.3	18.7	19.0	17.9	18.3	18.3	18.7
	4H	17.8	18.2	18.2	18.6	18.9	17.8	18.2	18.2	18.6
	6H	17.7	18.1	18.2	18.5	18.9	17.7	18.1	18.2	18.5
	8H	17.7	18.0	18.1	18.4	18.8	17.7	18.0	18.1	18.4
	12H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3
8H	4H	17.7	18.0	18.1	18.4	18.8	17.7	18.0	18.1	18.4
	6H	17.6	17.8	18.1	18.3	18.8	17.6	17.9	18.1	18.3
	8H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	18.0	18.2
	12H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2
12H	4H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3
	6H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	18.0	18.2
	8H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2
Variations with the observer position at spacing:										
S =	1.0H		5.6	/	-11.9			5.6	/	-11.9
	1.5H		8.4	/	-13.1			8.4	/	-13.1
	2.0H		10.4	/	-13.6			10.4	/	-13.6