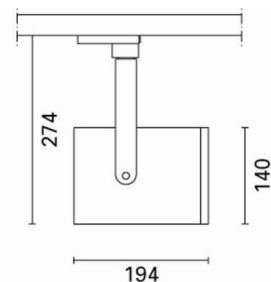


Front Light

Design iGuzzini

iGuzzini

Last information update: May 2018



Large body Spotlight - LED Warm White - Electronic ballast - Flood Optic

Product code

MN57

Technical description

Adjustable indoor spotlight with adapter for installation on mains electrified track, for high output LED lamp with monochrome emission in a warm white colour. Flood optic. Luminaire made of die-cast aluminium. Twin adjustability allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical locks for aiming, for rotation on horizontal plane and around vertical axis. Equipped with electronic ballast.

Installation

Electrified track or base, to be ordered as an accessory

Dimension (mm)

Ø140x194

Colour

White (01) | Black (04) | Grey/Black (74)

Weight (Kg)

2

Mounting

three circuit track

Wiring

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations



Product configuration: MN57

Product characteristics

Total lighting output [Lm]: 3945
Total power [W]: 44.1
Luminous efficacy [Lm/W]: 89.5
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

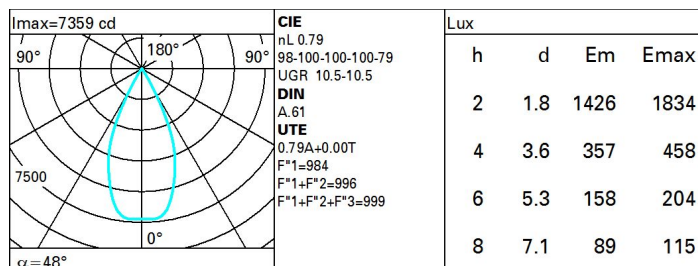
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 41
Nominal luminous [Lm]: 5000
Lamp maximum intensity [cd]: /
Beam angle [°]: 48°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.1
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

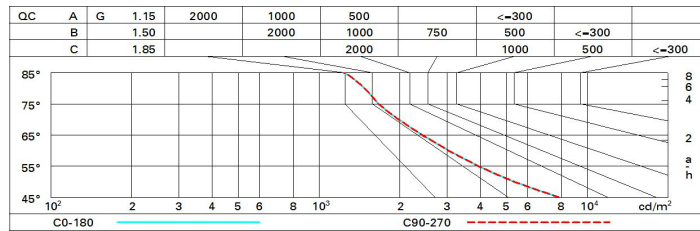
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	64	61	77
1.0	74	71	68	66	70	68	67	65	82
1.5	78	75	73	72	74	72	72	69	88
2.0	80	78	77	76	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 5000 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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	10.6	11.2	10.8	11.4	11.6	10.6	11.2	10.8	11.4	11.6
	3H	10.6	11.1	10.9	11.4	11.7	10.5	11.1	10.8	11.3	11.6
	4H	10.6	11.1	10.9	11.4	11.7	10.5	11.0	10.8	11.3	11.6
	6H	10.6	11.0	10.9	11.3	11.7	10.4	10.9	10.8	11.2	11.5
	8H	10.5	11.0	10.9	11.3	11.7	10.4	10.8	10.7	11.2	11.5
	12H	10.5	11.0	10.9	11.3	11.6	10.3	10.8	10.7	11.1	11.5
4H	2H	10.5	11.0	10.8	11.3	11.6	10.6	11.1	10.9	11.4	11.7
	3H	10.5	11.0	10.9	11.3	11.7	10.6	11.0	11.0	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	11.7
	8H	10.5	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	12H	10.5	10.8	11.0	11.2	11.7	10.4	10.7	10.9	11.1	11.6
8H	4H	10.5	10.8	10.9	11.2	11.6	10.5	10.9	11.0	11.3	11.7
	6H	10.5	10.8	11.0	11.2	11.7	10.5	10.8	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
	12H	10.5	10.7	11.0	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	10.5	10.8	11.0	11.2	11.7
	6H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
Variations with the observer position at spacing:											
S =		1.0H					4.7 / -3.9				
		1.5H					7.4 / -4.8				
		2.0H					9.3 / -5.4				