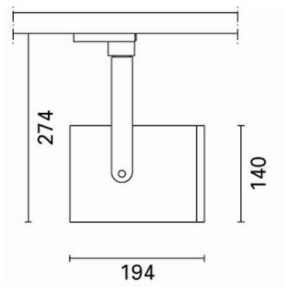
Front Light

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MN57
MN57: Large body Spotlight - LED Warm White - Electronic ballast - Flood Optic



Product code
MN57: Large body Spotlight - LED Warm White - Electronic ballast - Flood Optic **Attention! Code no longer in production**

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

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

Weight (Kg)
2

Mounting
three circuit track

Wiring
Electronic components housed in the luminaire.

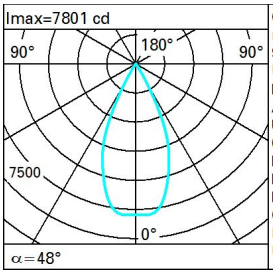
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	4182	CRI (minimum):	90
W system:	44.1	Colour temperature [K]:	3000
lm source:	5300	MacAdam Step:	2
W source:	41	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	94.8	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	48°		

Polar



CIE
nL 0.79
98-100-100-100-79
UGR 10.7-10.7
DIN
A.61
UTE
0.79A+0.00T
F"1=984
F"1+F"2=996
F"1+F"2+F"3=999
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 | L<3000 cd/mq @65°

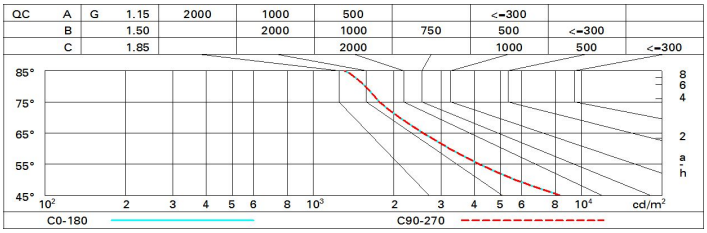
Lux

h	d	Em	Emax
2	1.8	1512	1944
4	3.6	378	486
6	5.3	168	216
8	7.1	94	121

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 5300 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	10.8	11.4	11.0	11.6	11.8	10.8	11.4	11.0	11.6	11.8
	3H	10.8	11.3	11.1	11.6	11.9	10.7	11.3	11.0	11.5	11.8
	4H	10.8	11.3	11.1	11.6	11.9	10.7	11.2	11.0	11.5	11.8
	6H	10.8	11.2	11.1	11.5	11.9	10.6	11.1	11.0	11.4	11.7
	8H	10.8	11.2	11.1	11.5	11.9	10.6	11.0	10.9	11.4	11.7
	12H	10.7	11.2	11.1	11.5	11.8	10.5	11.0	10.9	11.3	11.7
4H	2H	10.7	11.2	11.0	11.5	11.8	10.8	11.3	11.1	11.6	11.9
	3H	10.7	11.2	11.1	11.5	11.9	10.8	11.2	11.2	11.5	11.9
	4H	10.7	11.1	11.1	11.5	11.9	10.7	11.1	11.1	11.5	11.9
	6H	10.8	11.1	11.2	11.5	11.9	10.7	11.0	11.1	11.4	11.9
	8H	10.7	11.1	11.2	11.5	11.9	10.7	11.0	11.1	11.4	11.8
	12H	10.7	11.0	11.2	11.4	11.9	10.6	10.9	11.1	11.3	11.8
8H	4H	10.7	11.0	11.1	11.4	11.8	10.7	11.1	11.2	11.5	11.9
	6H	10.7	11.0	11.2	11.4	11.9	10.7	11.0	11.2	11.4	11.9
	8H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
	12H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
12H	4H	10.6	10.9	11.1	11.3	11.8	10.7	11.0	11.2	11.4	11.9
	6H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
	8H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9

Variations with the observer position at spacing:

S =			
	1.0H	4.7 / -3.9	4.7 / -3.9
	1.5H	7.4 / -4.8	7.4 / -4.8
	2.0H	9.3 / -5.4	9.3 / -5.4