

Front Light

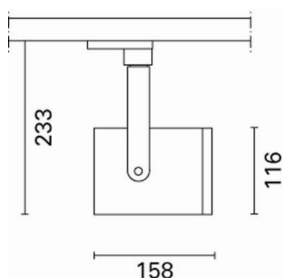
Design iGuzzini

iGuzzini

Last information update: May 2024

Product configuration: MB35

MB35: Spotlight - Small body - LED Warm White - Electronic ballast - Flood Optic



Product code

MB35: Spotlight - Small body - LED Warm White - Electronic ballast - Flood Optic **Attention! Code no longer in production**

Technical description

Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. 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 ballast. The luminaire comes complete with a LED unit with flood optic in a warm white tone.

Installation

On an electrified track

Colour

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

Mounting

three circuit track

Wiring

Electronic components housed in the luminaire

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1678	CRI:	80
W system:	15.5	Colour temperature [K]:	3000
Im source:	2100	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	108.4	Lamp code:	LED
Im 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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	42°		

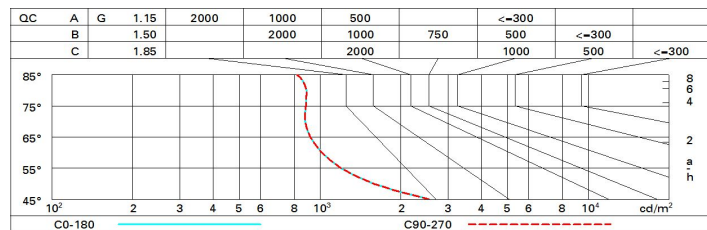
Polar

Imax=3566 cd		CIE		Lux			
				h	d	Em	Emax
90°		nL 0.80		2	1.5	717	885
		99-100-100-100-80		4	3.1	179	221
		UGR <10-<10		6	4.6	80	98
		DIN		8	6.1	45	55
		A.61					
		UTE					
		0.80A+0.00T					
		F*1=991					
		F*1+F*2=998					
		F*1+F*2+F*3=999					
		CIBSE					
		LG3 L<1500 cd/m² at 65°					
		UGR<10 L<1500 cd/mq @ 65°					
α=42°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	66	63	67	65	65	62	78
1.0	75	72	69	67	71	69	68	66	82
1.5	79	76	74	73	75	74	73	70	88
2.0	81	79	78	77	78	77	76	74	93
2.5	83	81	80	79	80	79	78	76	95
3.0	84	83	82	81	82	81	80	78	97
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	84	84	84	83	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2100 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	7.5	8.0	7.7	8.3	8.5	7.5	8.0	7.7	8.3	8.5
	3H	7.4	8.0	7.7	8.2	8.5	7.4	7.9	7.7	8.2	8.4
	4H	7.4	7.9	7.8	8.2	8.5	7.3	7.8	7.6	8.1	8.4
	6H	7.4	7.9	7.8	8.2	8.5	7.2	7.7	7.6	8.0	8.3
	8H	7.4	7.8	7.8	8.2	8.5	7.2	7.6	7.6	8.0	8.3
	12H	7.4	7.8	7.8	8.2	8.5	7.2	7.6	7.5	7.9	8.3
4H	2H	7.3	7.8	7.6	8.1	8.4	7.4	7.9	7.8	8.2	8.5
	3H	7.3	7.7	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.5
	4H	7.3	7.7	7.7	8.1	8.4	7.3	7.7	7.7	8.1	8.4
	6H	7.4	7.7	7.8	8.1	8.5	7.3	7.6	7.7	8.0	8.4
	8H	7.4	7.7	7.8	8.1	8.5	7.3	7.5	7.7	8.0	8.4
	12H	7.4	7.6	7.8	8.1	8.5	7.2	7.5	7.7	7.9	8.4
8H	4H	7.3	7.5	7.7	8.0	8.4	7.4	7.7	7.8	8.1	8.5
	6H	7.3	7.6	7.8	8.0	8.5	7.4	7.6	7.8	8.1	8.5
	8H	7.4	7.6	7.8	8.0	8.5	7.4	7.6	7.8	8.0	8.5
	12H	7.4	7.6	7.9	8.0	8.6	7.3	7.5	7.8	8.0	8.5
12H	4H	7.2	7.5	7.7	7.9	8.4	7.4	7.6	7.8	8.1	8.5
	6H	7.3	7.5	7.8	8.0	8.5	7.4	7.6	7.9	8.0	8.5
	8H	7.3	7.5	7.8	8.0	8.5	7.4	7.6	7.9	8.0	8.6
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -4.9					5.3 / -4.9				
	1.5H	8.0 / -5.3					8.0 / -5.3				
	2.0H	10.0 / -5.5					10.0 / -5.5				