

Front Light

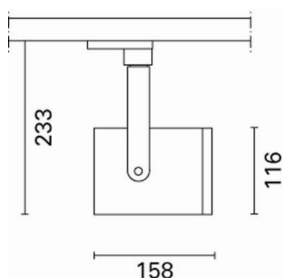
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: MB34

MB34: Spotlight - Small body - LED Warm White - Electronic ballast - Medium Optic



Product code

MB34: Spotlight - Small body - LED Warm White - Electronic ballast - Medium 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 medium 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



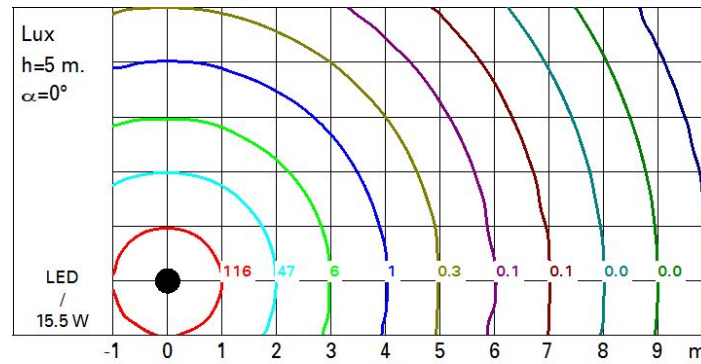
Technical data

lm system:	1614	CRI:	80
W system:	15.5	Colour temperature [K]:	3000
lm source:	2100	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	104.2	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=4921 cd		Lux			
90°	180°	h	d	Em	E _{max}
		2	1.1	918	1230
		4	2.1	230	308
		6	3.2	102	137
		8	4.3	57	77
$\alpha = 30^\circ$					

Isolux



UGR diagram

Corrected UGR values (at 2100 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	9.2	9.8	9.5	10.0	10.2	9.2	9.8	9.5	10.0	10.2
	3H	9.2	9.7	9.5	10.0	10.3	9.1	9.7	9.5	9.9	10.2
	4H	9.2	9.7	9.5	10.0	10.3	9.1	9.6	9.4	9.9	10.2
	6H	9.2	9.7	9.6	10.0	10.3	9.0	9.5	9.4	9.8	10.1
	8H	9.2	9.6	9.6	10.0	10.3	9.0	9.4	9.4	9.8	10.1
	12H	9.2	9.6	9.6	9.9	10.3	9.0	9.4	9.3	9.7	10.1
4H	2H	9.1	9.6	9.4	9.9	10.2	9.2	9.7	9.5	10.0	10.3
	3H	9.2	9.6	9.5	9.9	10.3	9.2	9.6	9.6	10.0	10.3
	4H	9.2	9.6	9.6	9.9	10.3	9.2	9.6	9.6	9.9	10.3
	6H	9.2	9.5	9.6	9.9	10.3	9.2	9.5	9.6	9.9	10.3
	8H	9.2	9.5	9.7	9.9	10.4	9.1	9.4	9.6	9.8	10.3
	12H	9.2	9.5	9.7	9.9	10.4	9.1	9.3	9.5	9.8	10.2
8H	4H	9.1	9.4	9.6	9.8	10.3	9.2	9.5	9.7	9.9	10.4
	6H	9.2	9.4	9.7	9.9	10.3	9.2	9.5	9.7	9.9	10.4
	8H	9.2	9.4	9.7	9.9	10.4	9.2	9.4	9.7	9.9	10.4
	12H	9.2	9.4	9.7	9.9	10.4	9.2	9.4	9.7	9.8	10.4
12H	4H	9.1	9.3	9.5	9.8	10.2	9.2	9.5	9.7	9.9	10.4
	6H	9.1	9.4	9.6	9.8	10.3	9.2	9.4	9.7	9.9	10.4
	8H	9.2	9.4	9.7	9.8	10.4	9.2	9.4	9.7	9.9	10.4
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		