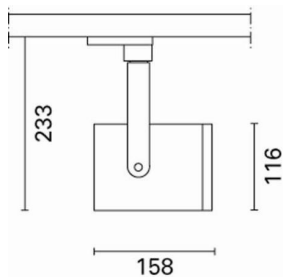


## Front Light

Design iGuzzini

iGuzzini

Last information update: May 2018



### Spotlight - Small body - LED Neutral White - Electronic ballast - Wide Flood Optic

#### Product code

MB32

#### 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 in a neutral white tone.

#### Installation

On an electrified track

#### Dimension (mm)

Ø116x158

#### Colour

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

#### Weight (Kg)

1.4

#### Mounting

three circuit track

#### Wiring

Electronic components housed in the luminaire

Complies with EN60598-1 and pertinent regulations



#### Product configuration: MB32

#### Product characteristics

Total lighting output [Lm]: 1758  
Total power [W]: 15.5  
Luminous efficacy [Lm/W]: 113.5  
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.) [%]: 80  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 14  
Nominal luminous [Lm]: 2200  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 42°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.5  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 2

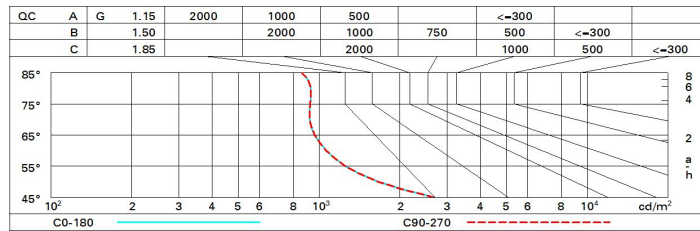
#### Polar

h	d	Lux	
		Em	E <sub>max</sub>
2	1.5	752	927
4	3.1	188	232
6	4.6	84	103
8	6.1	47	58

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 2200 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	7.6	8.2	7.9	8.4	8.7	7.6	8.2	7.9	8.4	8.7
	3H	7.6	8.1	7.9	8.4	8.7	7.5	8.0	7.8	8.3	8.6
	4H	7.6	8.1	7.9	8.4	8.7	7.5	8.0	7.8	8.2	8.5
	6H	7.6	8.0	7.9	8.3	8.7	7.4	7.8	7.7	8.2	8.5
	8H	7.6	8.0	7.9	8.3	8.7	7.4	7.8	7.7	8.1	8.5
	12H	7.6	8.0	7.9	8.3	8.7	7.3	7.7	7.7	8.1	8.4
4H	2H	7.5	8.0	7.8	8.2	8.5	7.6	8.1	7.9	8.4	8.7
	3H	7.5	7.9	7.8	8.2	8.6	7.5	7.9	7.9	8.3	8.6
	4H	7.5	7.8	7.9	8.2	8.6	7.5	7.8	7.9	8.2	8.6
	6H	7.5	7.8	7.9	8.2	8.7	7.4	7.8	7.9	8.2	8.6
	8H	7.5	7.8	8.0	8.2	8.7	7.4	7.7	7.9	8.1	8.6
	12H	7.5	7.8	8.0	8.2	8.7	7.4	7.6	7.8	8.1	8.5
8H	4H	7.4	7.7	7.9	8.1	8.6	7.5	7.8	8.0	8.2	8.7
	6H	7.5	7.7	8.0	8.2	8.7	7.5	7.8	8.0	8.2	8.7
	8H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
	12H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
12H	4H	7.4	7.6	7.8	8.1	8.5	7.5	7.8	8.0	8.2	8.7
	6H	7.5	7.7	7.9	8.1	8.6	7.5	7.7	8.0	8.2	8.7
	8H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
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				