

## Front Light

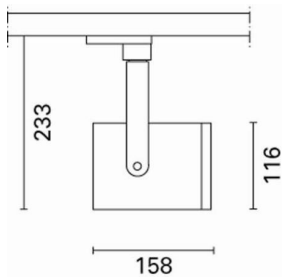
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: MN48

MN48: Small body Spotlight - LED Warm White - Electronic ballast - Flood Optic



### Product code

MN48: Small 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)

### Mounting

three circuit track

### Wiring

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	1758	CRI:	90
W system:	19.4	Colour temperature [K]:	3000
lm source:	2200	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	90.6	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	42°		

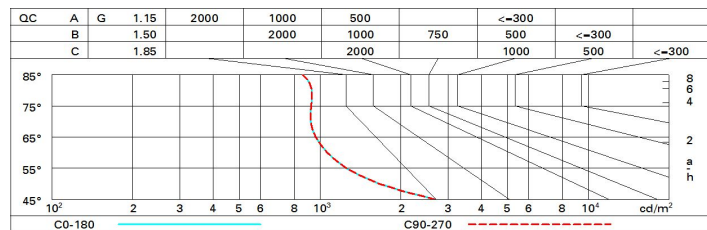
### Polar

Imax=3736 cd		CIE nL 0.80 99-100-100-100-80 UGR <10-<10 DIN 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°	Lux			
90°	180°		h	d	Em	Emax
			2	1.5	752	927
			4	3.1	188	232
			6	4.6	84	103
			8	6.1	47	58
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 2200 lm bare lamp luminous flux)											
Reflect.: ceiling/cav 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	7.6	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				