

Last information update: December 2024

Product configuration: MH08

MH08: track-mounted luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - flood

**Product code**MH08: track-mounted luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - flood **Attention! Code no longer in production****Technical description**

Multi-lamp luminaire for application on three-phase mains voltage track. LED lamps with passive heat dissipation system. Entirely aluminium frame; track coupling system with frame connecting brackets, equipped with graduated joints and mechanical locks; adapter for connection to track is separate from the structure; die-cast aluminium universal joints; can be adjusted +/- 45° relative to the horizontal and vertical axes. Die-cast aluminium optical assemblies. Shaped so that heat is effectively carried away, guaranteeing that the performance of the lamps remains unaffected. PMMA emission optics. Textured PMMA additional optic screens - flood beam angle. Electronic control gear units integrated in the control assembly. Warm white high efficiency LEDs.

Installation

on three-phase track using mechanical couplings

Colour

Grey (15)

Mounting

three circuit track

Wiring

Connected to electrified track by adapter

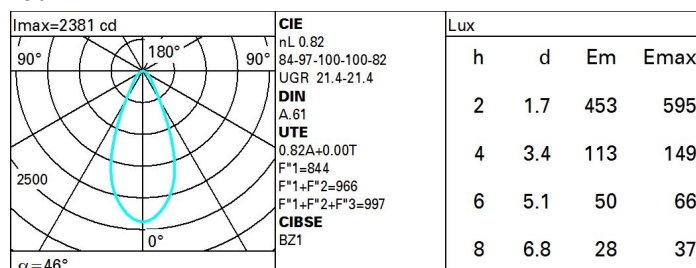
Notes

the light beam can be varied by replacing the optics fitted with optional optics available with various beam angles; without additional optics the product emission is with a spot beam angle.

Complies with EN60598-1 and pertinent regulations

**Technical data**

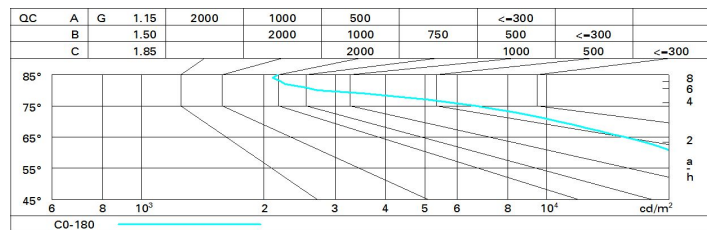
Im system:	4920.6	CRI:	80
W system:	72.2	Colour temperature [K]:	3000
Im source:	2000	MacAdam Step:	3
W source:	19	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	68.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	82	Number of optical assemblies:	3
Beam angle [°]:	46°		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	63	59	56	62	59	58	55	67
1.0	72	68	64	61	67	63	63	60	73
1.5	78	74	71	69	73	70	70	66	81
2.0	81	78	76	74	77	75	74	71	87
2.5	83	81	79	77	79	78	77	74	90
3.0	84	83	81	80	81	80	79	76	93
4.0	86	84	83	82	83	82	81	78	95
5.0	86	85	84	84	84	83	82	79	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.8	21.6	21.1	21.8	22.1	20.8	21.6	21.1	21.8	22.1
	3H	21.1	21.9	21.5	22.1	22.4	21.0	21.7	21.3	22.0	22.3
	4H	21.2	21.8	21.5	22.1	22.4	21.0	21.7	21.4	22.0	22.3
	6H	21.1	21.7	21.5	22.1	22.4	21.0	21.6	21.3	21.9	22.2
	8H	21.1	21.7	21.5	22.0	22.4	20.9	21.5	21.3	21.8	22.2
	12H	21.1	21.6	21.4	22.0	22.3	20.9	21.5	21.3	21.8	22.2
4H	2H	21.0	21.7	21.4	22.0	22.3	21.2	21.8	21.5	22.1	22.4
	3H	21.4	22.0	21.8	22.3	22.7	21.4	22.0	21.8	22.3	22.7
	4H	21.5	22.0	21.9	22.3	22.7	21.5	22.0	21.9	22.3	22.7
	6H	21.4	21.9	21.9	22.3	22.7	21.5	21.9	21.9	22.3	22.7
	8H	21.4	21.8	21.8	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	12H	21.4	21.7	21.8	22.1	22.6	21.4	21.7	21.8	22.2	22.6
8H	4H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.8	22.2	22.7
	6H	21.4	21.7	21.9	22.2	22.6	21.4	21.7	21.9	22.2	22.6
	8H	21.4	21.6	21.8	22.1	22.6	21.4	21.6	21.8	22.1	22.6
	12H	21.3	21.6	21.8	22.0	22.6	21.3	21.5	21.8	22.0	22.6
12H	4H	21.4	21.7	21.8	22.2	22.6	21.4	21.7	21.8	22.1	22.6
	6H	21.3	21.6	21.8	22.1	22.6	21.3	21.6	21.8	22.1	22.6
	8H	21.3	21.5	21.8	22.0	22.6	21.3	21.6	21.8	22.0	22.6
Variations with the observer position at spacing:											
S =		0.8 / -1.0					0.8 / -1.0				
		1.5H					1.8 / -2.3				
		2.0H					3.1 / -3.7				