

Last information update: December 2024

Product configuration: MH10

MH10: track-mounted luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - medium

**Product code**MH10: track-mounted luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - medium **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 - medium beam angle. Electronic control gear units integrated in the control assembly. Warm white high efficiency LEDs; CRI (Ra) > 90.

Installation

on three-phase track using mechanical couplings

Colour

Grey (15)

Weight (Kg)

5.28

Mounting

three circuit track

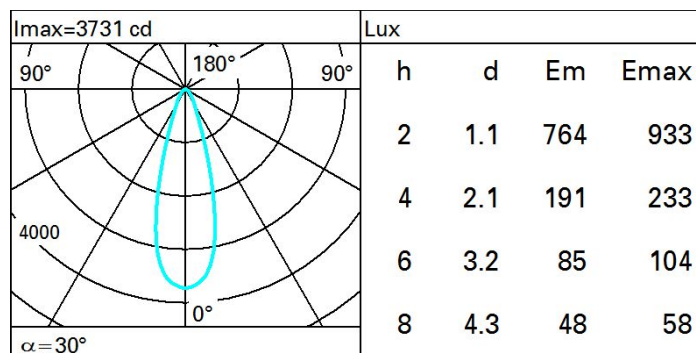
Wiring

Connected to electrified track by adapter

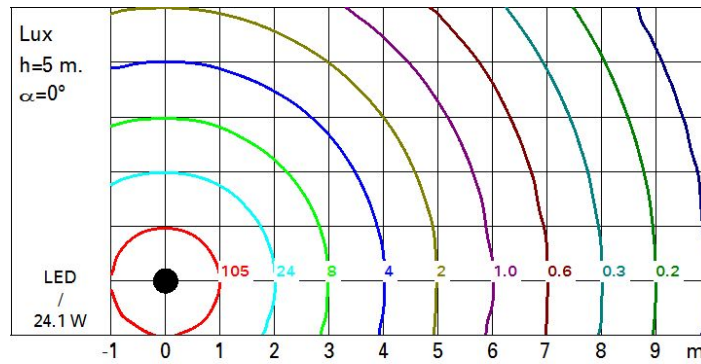
Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	4423.7	MacAdam Step:	3
W system:	72.2	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Im source:	1800	Lamp code:	LED
W source:	19	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	61.3	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	3
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	82	Inrush current:	6 A / 700 µs
Beam angle [°]:	30°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
CRI:	95	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000		

Polar

Isolux



UGR diagram

Photometric curve code: MF270000.J80 Corrected UGR values (at 1800 lm bare lamp luminous flux)											
Reflect.: ceil/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	19.0	19.7	19.3	19.9	20.2	19.0	19.7	19.3	19.9	20.2
	3H	19.5	20.1	19.8	20.4	20.7	19.2	19.8	19.5	20.1	20.4
	4H	19.5	20.1	19.9	20.4	20.7	19.2	19.8	19.6	20.1	20.4
	6H	19.5	20.1	19.9	20.4	20.7	19.2	19.7	19.6	20.1	20.4
	8H	19.5	20.0	19.9	20.3	20.7	19.2	19.7	19.5	20.0	20.4
	12H	19.5	20.0	19.8	20.3	20.6	19.1	19.6	19.5	20.0	20.3
4H	2H	19.2	19.8	19.6	20.1	20.4	19.5	20.1	19.9	20.4	20.7
	3H	19.8	20.3	20.2	20.6	21.0	19.8	20.3	20.2	20.7	21.0
	4H	19.9	20.3	20.3	20.7	21.1	19.9	20.3	20.3	20.7	21.1
	6H	19.9	20.3	20.3	20.7	21.1	19.9	20.3	20.3	20.7	21.1
	8H	19.9	20.2	20.3	20.6	21.1	19.9	20.2	20.3	20.6	21.1
	12H	19.8	20.1	20.3	20.6	21.0	19.8	20.2	20.3	20.6	21.0
8H	4H	19.9	20.2	20.3	20.6	21.1	19.9	20.2	20.3	20.6	21.1
	6H	19.9	20.2	20.3	20.6	21.1	19.9	20.2	20.3	20.6	21.1
	8H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
	12H	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0
12H	4H	19.8	20.2	20.3	20.6	21.0	19.8	20.1	20.3	20.6	21.0
	6H	19.8	20.1	20.3	20.5	21.0	19.8	20.1	20.3	20.5	21.0
	8H	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0
Variations with the observer position at spacing:											
S =		1.0H	0.6 / -0.8		0.6 / -0.8						
		1.5H	1.5 / -2.3		1.5 / -2.3						
		2.0H	2.8 / -3.0		2.8 / -3.0						