

Front Light

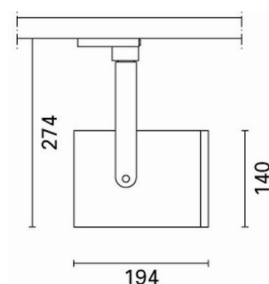
Design iGuzzini

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Last information update: May 2024

Product configuration: MH87+L346

MH87: 50W HIT - Flood



Product code

MH87: 50W HIT - Flood **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 electronic ballast. An external component may be applied, such as directional flaps with 360° rotation and which can be fully closed. Luminaire supplied with flood optic 50W HIT G8.5 High performance reflector. IP 40 on the optical assembly.

Installation

Installation on electrified tracks.

Colour

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

Mounting

three circuit track

Wiring

Electronic components for discharge lamp housed in the body

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	4575.4	CRI:	90
W system:	55	Colour temperature [K]:	3000
lm source:	5400	Voltage [Vin]:	230
W source:	50	Lamp code:	L346
Luminous efficiency (lm/W, real value):	83.2	Socket:	G8,5
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:	HIT-TC-CE
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	40°		

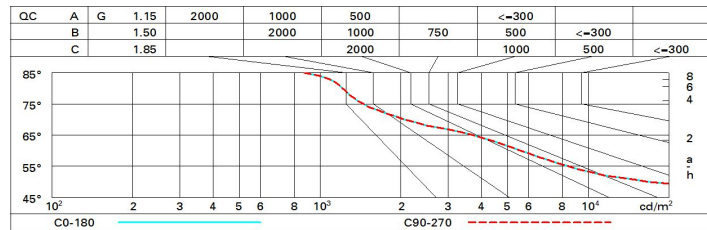
Polar

Imax=8635 cd		CIE		Lux			
				h	d	Em	Emax
90°		nL 0.85		2	1.5	1724	2159
		94-100-100-100-85		4	2.9	431	540
		UGR 18.6-18.6		6	4.4	192	240
		DIN		8	5.8	108	135
		A.61					
		UTE					
		0.85A+0.00T					
		F*1=940					
		F*1+F*2=996					
		F*1+F*2+F*3=1000					
		CIBSE					
		BZ1					
α = 40°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	67	64	69	66	66	63	74
1.0	78	74	71	69	73	70	70	67	79
1.5	83	80	77	75	78	76	76	73	86
2.0	85	83	81	80	82	80	79	77	91
2.5	87	85	84	83	84	83	82	80	94
3.0	88	87	86	85	86	85	84	81	96
4.0	89	88	88	87	87	86	85	83	98
5.0	90	89	89	88	88	87	86	84	99

Luminance curve limit



UGR diagram

Photometric curve code: M9270000.052											
Corrected UGR values (at 5400 lm bare lamp luminous flux)											
Reflect.:											
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											
x											
y											
viewed											
crosswise											
viewed											
endwise											
2H	2H	19.1	19.7	19.4	20.0	20.2	19.1	19.7	19.4	20.0	20.2
	3H	19.0	19.6	19.3	19.8	20.1	19.0	19.6	19.3	19.8	20.1
	4H	18.9	19.4	19.2	19.7	20.0	18.9	19.5	19.2	19.7	20.0
	6H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	8H	18.8	19.3	19.2	19.6	19.9	18.8	19.3	19.2	19.6	19.9
	12H	18.8	19.2	19.1	19.6	19.9	18.7	19.2	19.1	19.6	19.9
4H	2H	18.9	19.5	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
	3H	18.8	19.2	19.2	19.6	19.9	18.8	19.2	19.1	19.6	19.9
	4H	18.7	19.1	19.1	19.5	19.9	18.7	19.1	19.1	19.5	19.9
	6H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.8
	8H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
	12H	18.5	18.8	19.0	19.2	19.7	18.5	18.8	19.0	19.2	19.7
8H	4H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
	6H	18.5	18.7	18.9	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	8H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
	12H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
12H	4H	18.5	18.8	19.0	19.2	19.7	18.5	18.8	19.0	19.2	19.7
	6H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
	8H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
Variations with the observer position at spacing:											
S =	1.0H		2.9	/	-8.9		2.9	/	-8.9		
	1.5H		5.5	/	-11.1		5.5	/	-11.1		
	2.0H		7.5	/	-13.4		7.5	/	-13.4		