

Front Light

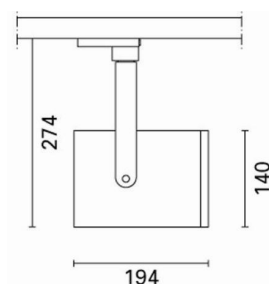
Design iGuzzini

iGuzzini

Last information update: May 2024

Product configuration: MD44+L241

MD44: Spotlight - Large body - 70W HIT-TC-CE - Electronic ballast - Wide Flood Optic



Product code

MD44: Spotlight - Large body - 70W HIT-TC-CE - Electronic ballast - Wide Flood Optic **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 wide flood optic 70W 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:	5885.3	CRI:	90
W system:	78	Colour temperature [K]:	3000
lm source:	7300	Voltage [Vin]:	230
W source:	70	Lamp code:	L241
Luminous efficiency (lm/W, real value):	75.5	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-CE
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	56°		

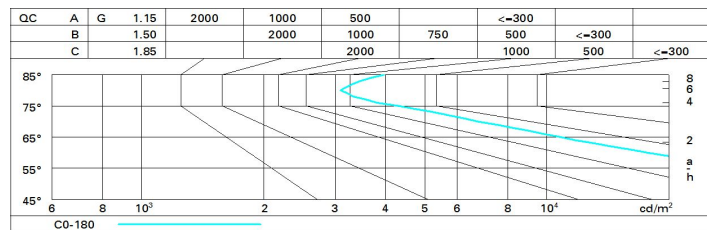
Polar

Imax=6365 cd		CIE		Lux			
90°	180°	nL 0.81		h	d	Em	Emax
		86-99-100-100-81		2	2.1	1110	1591
		UGR 24.6-24.6		4	4.3	278	398
		DIN A.61		6	6.4	123	177
		UTE 0.81A+0.00T		8	8.5	69	99
		F*1=858					
		F*1+F*2=990					
		F*1+F*2+F*3=999					
		CIBSE BZ1					
$\alpha = 56^\circ$							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	62	59	56	62	58	58	55	68
1.0	72	67	64	61	66	63	63	60	74
1.5	77	74	71	69	72	70	69	66	82
2.0	80	78	75	74	76	74	74	71	88
2.5	82	80	78	77	79	77	76	74	91
3.0	83	82	80	79	80	79	78	75	94
4.0	84	83	82	81	82	81	80	77	96
5.0	85	84	83	82	82	82	80	78	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 7300 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	25.1	25.8	25.4	26.1	26.3	25.1	25.8	25.4	26.1	26.3
	3H	25.0	25.6	25.3	25.9	26.2	25.0	25.7	25.3	25.9	26.2
	4H	24.9	25.5	25.2	25.8	26.1	24.9	25.5	25.2	25.8	26.1
	6H	24.8	25.4	25.2	25.7	26.0	24.8	25.4	25.2	25.7	26.1
	8H	24.8	25.3	25.1	25.7	26.0	24.8	25.3	25.2	25.7	26.0
	12H	24.7	25.3	25.1	25.6	26.0	24.7	25.3	25.1	25.6	26.0
4H	2H	24.9	25.5	25.2	25.8	26.1	24.9	25.5	25.2	25.8	26.1
	3H	24.8	25.3	25.2	25.7	26.0	24.8	25.3	25.2	25.7	26.0
	4H	24.7	25.2	25.1	25.5	25.9	24.7	25.2	25.1	25.5	25.9
	6H	24.6	25.0	25.0	25.4	25.9	24.6	25.0	25.0	25.4	25.9
	8H	24.6	25.0	25.0	25.4	25.8	24.6	25.0	25.0	25.4	25.8
	12H	24.5	24.9	25.0	25.3	25.8	24.5	24.9	25.0	25.3	25.8
8H	4H	24.6	25.0	25.0	25.4	25.8	24.6	25.0	25.0	25.4	25.8
	6H	24.5	24.8	25.0	25.2	25.7	24.5	24.8	25.0	25.3	25.7
	8H	24.4	24.7	24.9	25.2	25.7	24.4	24.7	24.9	25.2	25.7
	12H	24.4	24.6	24.9	25.1	25.6	24.4	24.6	24.9	25.1	25.6
12H	4H	24.5	24.9	25.0	25.3	25.8	24.5	24.9	25.0	25.3	25.8
	6H	24.4	24.7	24.9	25.2	25.7	24.4	24.7	24.9	25.2	25.7
	8H	24.4	24.6	24.9	25.1	25.6	24.4	24.6	24.9	25.1	25.6
Variations with the observer position at spacing:											
S =	1.0H	2.3 / -0.9					2.3 / -0.9				
	1.5H	4.6 / -10.3					4.6 / -10.3				
	2.0H	6.6 / -12.2					6.6 / -12.2				