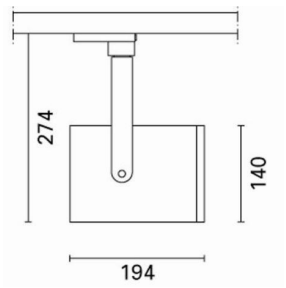
Front Light

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MD48+L061
MD48: Spotlight - Large body - 70W HIT-CE - Electronic ballast - Wide Flood Optic



Product code
MD48: Spotlight - Large body - 70W HIT-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 wideflood optic 70W HIT G12. 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

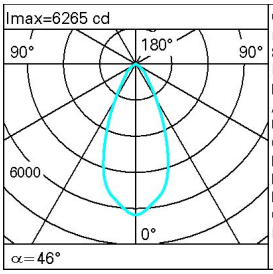
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	4432.6	CRI:	92
W system:	78	Colour temperature [K]:	4200
lm source:	6600	Voltage [Vin]:	230
W source:	70	Lamp code:	L061
Luminous efficiency (lm/W, real value):	56.8	Socket:	G12
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.) [%]:	67	Number of optical assemblies:	1
Beam angle [°]:	46°		

Polar



CIE
nL 0.67
88-99-100-100-67
UGR 21.8-21.8
DIN
A.61
UTE
0.67A+0.00T
F"1=876
F"1+F"2=989
F"1+F"2+F"3=998
CIBSE
BZ1

Lux

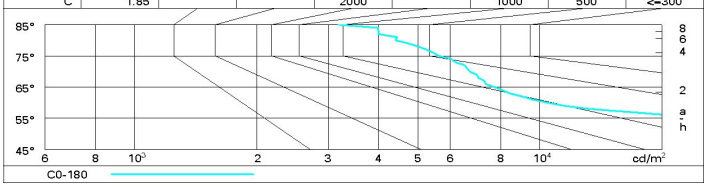
h	d	Em	Emax
2	1.7	1197	1566
4	3.4	299	392
6	5.1	133	174
8	6.8	75	98

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	57	53	50	48	52	50	49	46	69
1.0	60	56	54	52	56	53	53	50	75
1.5	64	62	59	58	61	59	58	56	83
2.0	67	65	63	62	64	62	62	59	88
2.5	68	67	65	64	66	65	64	62	92
3.0	69	68	67	66	67	66	65	63	94
4.0	70	69	69	68	68	68	66	65	96
5.0	71	70	69	69	69	68	67	65	97

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



C0-180

UGR diagram

Corrected UGR values (at 8800 lm bare lamp luminous flux)

Riflect.: ceil/cav		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				viewed					viewed		
x	y			crosswise					endwise		
2H	2H	22.2	22.9	22.5	23.1	23.4	22.2	22.9	22.5	23.1	23.4
	3H	22.1	22.7	22.4	23.0	23.3	22.1	22.7	22.4	23.0	23.3
	4H	22.1	22.6	22.4	22.9	23.2	22.0	22.6	22.4	22.9	23.2
	6H	22.0	22.5	22.4	22.8	23.2	22.0	22.5	22.3	22.8	23.1
	8H	22.0	22.5	22.3	22.8	23.2	21.9	22.4	22.3	22.8	23.1
	12H	21.9	22.4	22.3	22.8	23.1	21.9	22.4	22.3	22.7	23.1
4H	2H	22.0	22.6	22.4	22.9	23.2	22.1	22.6	22.4	22.9	23.2
	3H	22.0	22.5	22.4	22.8	23.2	22.0	22.5	22.4	22.8	23.2
	4H	21.9	22.4	22.3	22.7	23.1	21.9	22.4	22.3	22.7	23.1
	6H	21.9	22.3	22.3	22.7	23.1	21.9	22.2	22.3	22.6	23.1
	8H	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0
	12H	21.8	22.1	22.3	22.6	23.0	21.8	22.1	22.2	22.5	23.0
8H	4H	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0
	6H	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
	8H	21.7	22.0	22.2	22.5	23.0	21.7	22.0	22.2	22.5	23.0
	12H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
12H	4H	21.8	22.1	22.2	22.5	23.0	21.8	22.1	22.3	22.6	23.0
	6H	21.7	22.0	22.2	22.4	22.9	21.7	22.0	22.2	22.5	23.0
	8H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9

Variations with the observer position at spacing:

S =			
	1.0H	1.8 / -4.3	1.8 / -4.3
	1.5H	3.9 / -7.9	3.9 / -7.9
	2.0H	5.8 / -8.5	5.8 / -8.5