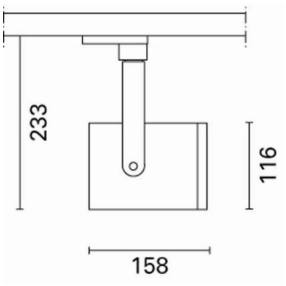
Front Light

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MD40+L360
MD40: Spotlight - Small body - 35W HIT-CE - Electronic ballast - Wide Flood Optic



Product code
MD40: Spotlight - Small body - 35W 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 35W HIT GU6.5IP 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

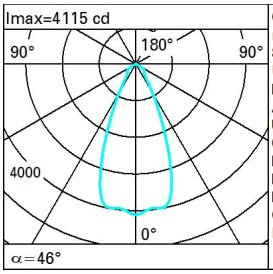
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	2966.7	CRI:	87
W system:	39	Colour temperature [K]:	3000
lm source:	3900	Voltage [Vin]:	230
W source:	35	Lamp code:	L360
Luminous efficiency (lm/W, real value):	76.1	Socket:	GU6,5
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.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	46°		

Polar



CIE
nL 0.76
84-98-100-100-76
UGR 22.4-22.4
DIN
A.61
UTE
0.76A+0.00T
F"1=839
F"1+F"2=984
F"1+F"2+F"3=998
CIBSE
BZ1

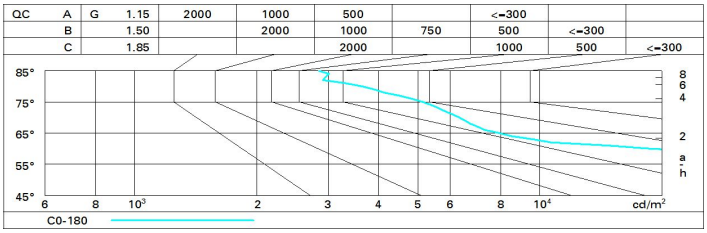
Lux

h	d	Em	Emax
2	1.7	829	1029
4	3.4	207	257
6	5.1	92	114
8	6.8	52	64

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	58	55	52	57	54	54	51	66
1.0	67	63	59	57	62	59	58	55	73
1.5	72	69	66	64	68	65	65	62	81
2.0	75	73	71	69	72	70	69	66	87
2.5	77	75	73	72	74	72	71	69	91
3.0	78	77	75	74	75	74	73	71	93
4.0	79	78	77	76	77	76	75	72	95
5.0	80	79	78	77	78	77	76	73	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 3900 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 crosswise					viewed endwise		
x	y										
2H	2H	22.6	23.3	22.9	23.5	23.8	22.6	23.3	22.9	23.5	23.8
	3H	22.5	23.1	22.8	23.4	23.7	22.7	23.3	23.0	23.6	23.9
	4H	22.5	23.0	22.8	23.3	23.6	22.6	23.2	22.9	23.5	23.8
	6H	22.4	22.9	22.7	23.2	23.6	22.5	23.1	22.9	23.4	23.7
	8H	22.4	22.9	22.7	23.2	23.6	22.5	23.0	22.9	23.3	23.7
	12H	22.3	22.8	22.7	23.2	23.5	22.5	23.0	22.8	23.3	23.7
4H	2H	22.6	23.2	22.9	23.5	23.8	22.5	23.0	22.8	23.3	23.6
	3H	22.5	23.0	22.9	23.4	23.7	22.6	23.1	22.9	23.4	23.8
	4H	22.5	22.9	22.9	23.3	23.7	22.5	22.9	22.9	23.3	23.7
	6H	22.4	22.8	22.9	23.2	23.6	22.4	22.8	22.9	23.2	23.6
	8H	22.4	22.8	22.8	23.2	23.6	22.4	22.7	22.8	23.2	23.6
	12H	22.4	22.7	22.8	23.1	23.6	22.3	22.7	22.8	23.1	23.5
8H	4H	22.4	22.7	22.8	23.2	23.6	22.4	22.8	22.8	23.2	23.6
	6H	22.3	22.6	22.8	23.1	23.5	22.3	22.6	22.8	23.1	23.5
	8H	22.3	22.5	22.8	23.0	23.5	22.3	22.5	22.8	23.0	23.5
	12H	22.3	22.5	22.8	23.0	23.5	22.3	22.5	22.8	22.9	23.5
12H	4H	22.3	22.7	22.8	23.1	23.5	22.4	22.7	22.8	23.1	23.6
	6H	22.3	22.5	22.8	23.0	23.5	22.3	22.5	22.8	23.0	23.5
	8H	22.3	22.5	22.8	22.9	23.5	22.3	22.5	22.8	23.0	23.5

Variations with the observer position at spacing:

S =			
	1.0H	0.8 / -0.9	0.8 / -0.9
	1.5H	2.4 / -7.4	2.4 / -7.4
	2.0H	3.7 / -8.7	3.7 / -8.7