

Laser Pinhole

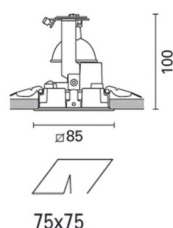
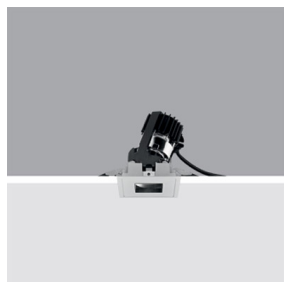
Design iGuzzini

iGuzzini

Last information update: June 2024

Product configuration: MB08+L050

MB08: PinholeAdjustable square recessed luminaire85 x 85 mm50W QR CBC 51



Product code

MB08: PinholeAdjustable square recessed luminaire85 x 85 mm50W QR CBC 51

Technical description

Adjustable square recessed luminaire for low voltage dichroic halogen lamp. Made of die-cast aluminium and thermoplastic material. Rotates 355° about the vertical axis and tilts internally 30° relative to the horizontal axis. Contact springs are used to couple to a die-cast aluminium outer frame a die-cast aluminium inner ring on which the black-painted sheet steel lamp-holder bracket is fastened. Inserted in the frame there is a die-cast aluminium front ring in turn containing a cylindrical element made of black thermoplastic material for housing the accessories: sand-blasted glass, ribbed glass, louver and soft lens. Above the lamp holder there is a slide which allows the position of the lamp holder to be moved so as to optimise luminaire performance. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation

Recessed in false ceilings whose thickness is between 1 mm and 15 mm using 78x78 mm diameter holes. Fixed with steel springs.

Colour
White (01)

Weight (Kg)
0.17

Mounting
ceiling recessed

Wiring
electronic components to be ordered separately

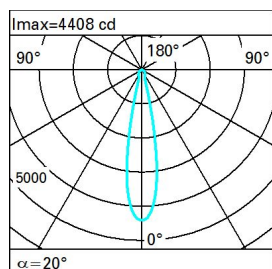
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	956	CRI (minimum):	100
W system:	55	Colour temperature [K]:	3000
Im source:	956	Lamp maximum intensity	4400
W source:	50	[cd]:	
Luminous efficiency (Im/W, real value):	17.4	Voltage [Vin]:	12
Im in emergency mode:	-	Lamp code:	L050
Total light flux at or above an angle of 90° [Lm]:	0	Socket:	GU5,3
Light Output Ratio (L.O.R.) [%]:	100	Number of lamps for optical assembly:	1
Beam angle [°]:	20°	ZVEI Code:	QR-CBC 51
		Number of optical assemblies:	1

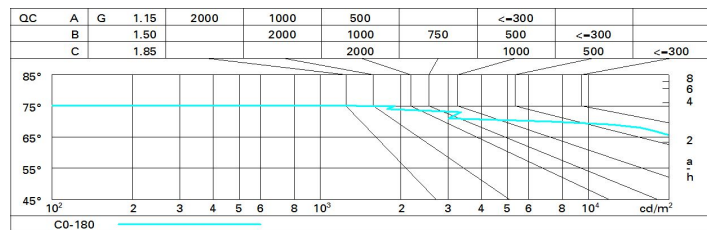
Polar

 <p>Imax=4408 cd</p> <p>90° 180° 90°</p> <p>5000</p> <p>0°</p> <p>$\alpha = 20^\circ$</p>	CIE nL 1.00 80-98-100-100-100 UGR 24.4-24.4 DIN A.61 UTE 1.00B+0.00T F*1=799 F*1+F*2=976 F*1+F*2+F*3=1000			
	Lux	h	d	Em
				E_{max}
		2	0.7	910
		4	1.4	228
		6	2.1	101
		8	2.8	57
				69

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	81	74	69	65	73	69	68	63	63
1.0	86	80	76	72	79	75	74	70	70
1.5	94	89	85	82	88	84	83	79	79
2.0	98	95	92	89	93	90	89	86	86
2.5	100	98	95	93	96	94	93	89	89
3.0	102	100	98	96	98	96	95	92	92
4.0	104	102	101	99	100	99	97	94	94
5.0	105	103	102	101	101	100	99	96	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 956 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	24.8	26.3	25.2	26.6	26.9	24.8	26.3	25.2	26.6	26.9
	3H	24.8	25.8	25.2	26.1	26.4	25.0	26.0	25.4	26.3	26.6
	4H	24.8	25.6	25.1	25.9	26.2	25.0	25.8	25.3	26.1	26.5
	6H	24.7	25.5	25.1	25.8	26.1	24.9	25.7	25.3	26.0	26.3
	8H	24.6	25.4	25.0	25.8	26.1	24.8	25.7	25.2	26.0	26.4
	12H	24.5	25.4	24.9	25.8	26.2	24.8	25.7	25.2	26.0	26.4
4H	2H	25.0	25.8	25.3	26.1	26.5	24.8	25.6	25.1	25.9	26.2
	3H	24.9	25.8	25.3	26.1	26.5	24.9	25.8	25.3	26.1	26.5
	4H	24.7	25.8	25.1	26.2	26.6	24.7	25.8	25.1	26.2	26.6
	6H	24.5	25.9	24.9	26.3	26.8	24.5	25.9	24.9	26.3	26.8
	8H	24.4	25.9	24.8	26.3	26.8	24.4	25.9	24.8	26.3	26.8
	12H	24.3	25.8	24.8	26.2	26.7	24.3	25.8	24.8	26.2	26.7
8H	4H	24.4	25.9	24.8	26.3	26.8	24.4	25.9	24.8	26.3	26.8
	6H	24.3	25.6	24.8	26.1	26.6	24.3	25.6	24.8	26.1	26.6
	8H	24.3	25.3	24.8	25.8	26.4	24.3	25.3	24.8	25.8	26.4
	12H	24.4	25.1	24.9	25.6	26.2	24.4	25.1	24.9	25.6	26.2
12H	4H	24.3	25.8	24.8	26.2	26.7	24.3	25.8	24.8	26.2	26.7
	6H	24.3	25.3	24.8	25.8	26.4	24.3	25.3	24.8	25.8	26.4
	8H	24.4	25.1	24.9	25.6	26.2	24.4	25.1	24.9	25.6	26.2
Variations with the observer position at spacing:											
S =	1.0H	0.6 / -0.5					0.6 / -0.5				
	1.5H	2.0 / -5.1					2.0 / -5.1				
	2.0H	3.2 / -8.8					3.2 / -8.8				