

Laser Pinhole

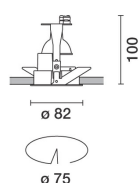
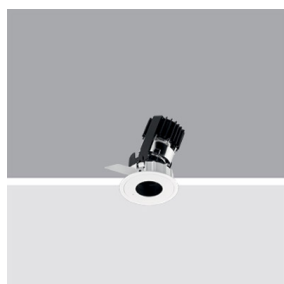
Design iGuzzini

iGuzzini

Last information update: June 2024

Product configuration: M248+L080

M248: Pinholeadjustable round recessed luminaireD=82 mm H=99 mm50W QR CBC 51



Product code

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Technical description

Adjustable round 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 20 mm using 75 mm diameter holes. Fixed with steel springs.

Colour
White (01)

Weight (Kg)
0.38

Mounting
ceiling recessed

Wiring
electronic components to be ordered separately

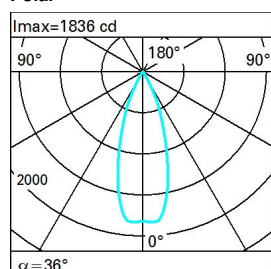
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	711	CRI (minimum):	100
W system:	55	Colour temperature [K]:	3000
Im source:	1027	Lamp maximum intensity	1100
W source:	50	[cd]:	
Luminous efficiency (Im/W, real value):	12.9	Voltage [Vin]:	12
Im in emergency mode:	-	Lamp code:	L080
Total light flux at or above an angle of 90° [Lm]:	0	Socket:	GU5,3
Light Output Ratio (L.O.R.) [%]:	69	Number of lamps for optical assembly:	1
Beam angle [°]:	36°	ZVEI Code:	QR-CBC 51
		Number of optical assemblies:	1

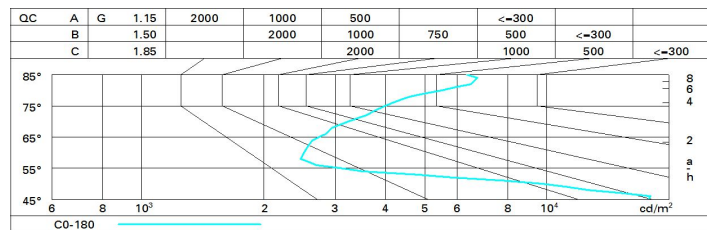
Polar

 Imax=1836 cd 90° 180° 90° 2000 0° α=36°	CIE				Lux			
	nL 0.69				h	d	Em	Emax
	96-99-100-100-69				2	1.3	367	456
	UGR 12.7-11.6				4	2.6	92	114
	DIN A.61				6	3.9	41	51
	UTE 0.69A+0.00T				8	5.2	23	28
	F*1=965							
	F*1+F*2=992							
	F*1+F*2+F*3=997							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	58	56	54	57	55	55	52	76
1.0	64	61	59	57	60	58	58	56	81
1.5	68	65	64	62	65	63	62	60	87
2.0	70	68	67	66	67	66	65	63	91
2.5	71	70	69	68	69	68	67	65	94
3.0	72	71	71	70	70	70	69	67	97
4.0	73	72	72	71	71	71	70	68	98
5.0	74	73	73	72	72	72	70	69	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 1027 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
viewed crosswise						viewed endwise					
2H	2H	10.4	11.0	10.7	11.2	11.5	10.4	11.0	10.7	11.2	11.5
	3H	10.7	11.2	11.0	11.5	11.8	10.4	10.9	10.7	11.2	11.5
	4H	11.1	11.5	11.4	11.8	12.1	10.4	10.9	10.7	11.2	11.5
	6H	11.6	12.0	11.9	12.3	12.7	10.4	10.8	10.7	11.1	11.5
	8H	11.9	12.4	12.3	12.7	13.0	10.4	10.8	10.7	11.1	11.5
	12H	12.2	12.6	12.6	13.0	13.3	10.3	10.7	10.7	11.1	11.4
4H	2H	10.4	10.9	10.7	11.2	11.5	11.1	11.5	11.4	11.8	12.1
	3H	10.9	11.3	11.3	11.6	12.0	11.3	11.7	11.6	12.0	12.4
	4H	11.4	11.8	11.8	12.1	12.5	11.4	11.8	11.8	12.1	12.5
	6H	12.2	12.5	12.6	12.9	13.3	11.5	11.9	12.0	12.3	12.7
	8H	12.7	13.0	13.1	13.4	13.9	11.6	11.9	12.0	12.3	12.8
	12H	13.1	13.4	13.6	13.8	14.3	11.7	11.9	12.1	12.4	12.8
8H	4H	11.6	11.9	12.0	12.3	12.8	12.7	13.0	13.1	13.4	13.9
	6H	12.7	12.9	13.1	13.4	13.8	13.1	13.4	13.6	13.8	14.3
	8H	13.4	13.6	13.9	14.1	14.6	13.4	13.6	13.9	14.1	14.6
	12H	14.0	14.1	14.5	14.6	15.1	13.6	13.8	14.1	14.3	14.8
12H	4H	11.7	11.9	12.1	12.4	12.8	13.1	13.4	13.6	13.8	14.3
	6H	12.8	13.0	13.3	13.5	14.0	13.6	13.9	14.1	14.3	14.8
	8H	13.6	13.8	14.1	14.3	14.8	14.0	14.1	14.5	14.6	15.1
Variations with the observer position at spacing:											
S =	1.0H	1.1 / -0.9					1.1 / -0.9				
	1.5H	1.6 / -1.1					1.6 / -1.1				
	2.0H	2.7 / -1.1					2.7 / -1.1				