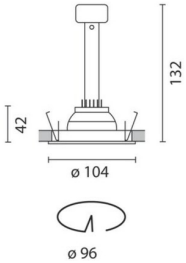
Laser

Design iGuzzini **iGuzzini**

Last information update: June 2024

Product configuration: 8068+L080
8068: Adjustable recessed luminaire 50W 12V QR CBC 51



Product code
8068: Adjustable recessed luminaire 50W 12V QR CBC 51 **Attention! Code no longer in production**

Technical description
Miniaturized low voltage downlight composed of a die cast aluminium body which holds the lampholder for dichroic lamps. Fixed to a circular supporting structure made of die cast aluminium and provided with tempered steel hook springs. The body is fixed to the supporting structure with two rotation pins located in decentralized position. The downlights can be rotated by 30° with respect to the vertical axis and by 355° with respect to the horizontal axis . The two-part body of the fitting ensures easy lamp replacement. The terminal board is mounted on a bracket located on the body of the fitting.

Installation
Recessed fixing to false ceilings with steel springs. Hole diameter 96 mm.

Colour
White (01) | Black (04) | Chrome (10) | Gold (14) | Grey (15)

Mounting
ceiling recessed

Wiring
An inductive or electronic 220/12V transformer must be installed near each fitting or at the beginning of the power supply line.

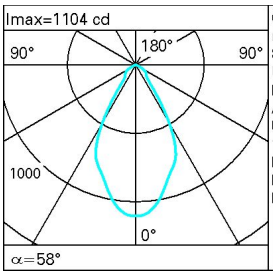
Notes
For the photometric data of the fitting refer to the photometric data of the light sources used. The fitting can use the following accessories: coloured glass (code 8658), concentric fresnel lens (code 8672), longitudinal fresnel lens (code 8673); decorative glass (codes 8670 and 8671).

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	1027	CRI:	100
W system:	50	Colour temperature [K]:	3000
lm source:	1027	Lamp maximum intensity [cd]:	1100
W source:	50	Lamp code:	L080
Luminous efficiency (lm/W, real value):	20.5	Socket:	GU5,3
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:	QR-CBC 51
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
Beam angle [°]:	58°		

Polar



CIE
nL 1.00
81-96-100-100-100
UGR 25.3-25.3
DIN
A.61
UTE
1.00B+0.00T
F"1=814
F"1+F"2=960
F"1+F"2+F"3=998

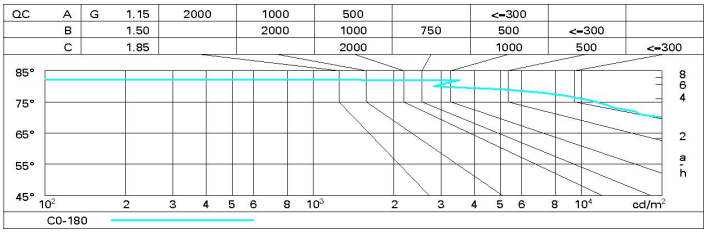
Lux

h	d	Em	Emax
1	1.1	793	1103
2	2.2	198	276
3	3.3	88	123
4	4.4	50	69

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	82	75	70	67	74	70	69	65	65
1.0	87	81	76	73	80	76	75	71	71
1.5	94	89	86	83	88	85	84	80	80
2.0	98	95	92	89	93	90	89	86	86
2.5	101	98	95	93	96	94	93	89	89
3.0	102	100	98	96	98	97	95	92	92
4.0	104	102	101	99	100	99	98	95	95
5.0	105	104	102	101	102	101	99	96	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 1027 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	24.9	25.7	25.2	26.0	26.2	24.9	25.7	25.2	26.0	26.2
	3H	25.1	25.9	25.5	26.1	26.4	25.2	25.9	25.5	26.2	26.5
	4H	25.1	25.8	25.5	26.1	26.4	25.2	25.8	25.5	26.1	26.5
	6H	25.0	25.7	25.4	26.0	26.3	25.1	25.7	25.5	26.0	26.4
	8H	25.0	25.6	25.4	25.9	26.3	25.1	25.7	25.4	26.0	26.3
	12H	25.0	25.5	25.4	25.9	26.2	25.0	25.6	25.4	26.0	26.3
4H	2H	25.2	25.8	25.5	26.1	26.5	25.1	25.8	25.5	26.1	26.4
	3H	25.4	26.0	25.8	26.3	26.7	25.4	25.9	25.8	26.3	26.6
	4H	25.4	25.9	25.8	26.3	26.6	25.4	25.9	25.8	26.3	26.6
	6H	25.3	25.8	25.8	26.2	26.6	25.3	25.8	25.8	26.2	26.6
	8H	25.3	25.7	25.7	26.1	26.5	25.3	25.7	25.7	26.1	26.6
	12H	25.2	25.6	25.7	26.0	26.5	25.3	25.6	25.7	26.0	26.5
8H	4H	25.3	25.7	25.7	26.1	26.6	25.3	25.7	25.7	26.1	26.5
	6H	25.2	25.6	25.7	26.0	26.5	25.2	25.6	25.7	26.0	26.5
	8H	25.2	25.5	25.7	25.9	26.4	25.2	25.5	25.7	25.9	26.4
	12H	25.1	25.4	25.6	25.9	26.4	25.1	25.4	25.6	25.9	26.4
12H	4H	25.3	25.6	25.7	26.0	26.5	25.2	25.6	25.7	26.0	26.5
	6H	25.2	25.5	25.7	25.9	26.4	25.2	25.5	25.7	25.9	26.4
	8H	25.1	25.4	25.6	25.9	26.4	25.1	25.4	25.6	25.9	26.4

Variations with the observer position at spacing:

S =			
1.0H	1.3 / -0.6	1.3 / -0.6
1.5H	2.4 / -2.1	2.4 / -2.1
2.0H	3.8 / -5.0	3.8 / -5.0