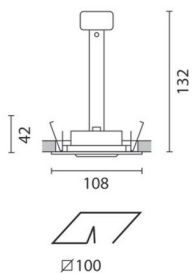
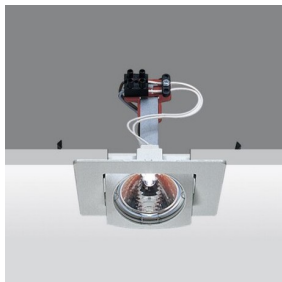


Last information update: June 2024

Product configuration: 8059+L080

8059: Adjustable recessed luminaire 50W 12V QR CBC 51

**Product code**8059: 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. Fixed to a die cast aluminium supporting structure 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 horizontal axis. 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 100 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).

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°		

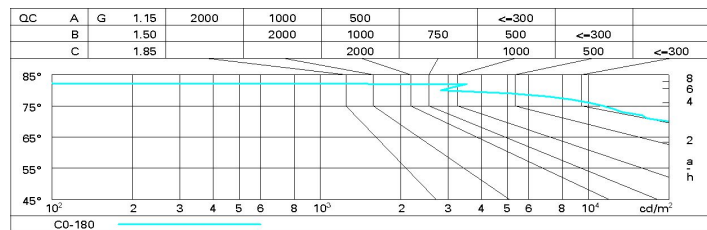
Polar

Imax=1104 cd		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			
90°	180°		h	d	Em	E _{max}
90°	180°		1	1.1	793	1103
			2	2.2	198	276
			3	3.3	88	123
			4	4.4	50	69
alpha=58°						

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)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
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				
		1.5H					2.4 / -2.1				
		2.0H					3.8 / -5.0				