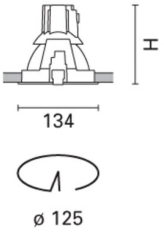
Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: M382+L387
M382: 50W QR CBC 51



Product code
M382: 50W QR CBC 51 **Attention! Code no longer in production**

Technical description
Recessed fixed round luminaire designed to use a LV halogen lamp 50W QR CBC 51 GU5.3. Version with die-cast aluminium rim for surface-mounting. Professional optic for use with a halogen lamp. Die-cast aluminium body.

Installation
Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Colour
White / Aluminium (39)

Mounting
ceiling recessed

Wiring
Electronic transformer to be ordered separately

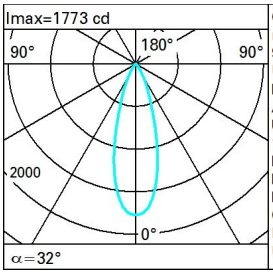
Complies with EN60598-1 and pertinent regulations

IP23 pending

Technical data

lm system:	660	CRI:	80
W system:	10	Colour temperature [K]:	3000
lm source:	660	Voltage [Vin]:	12
W source:	8	Lamp code:	LED
Luminous efficiency (lm/W, real value):	66	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:	LED
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
Beam angle [°]:	32°		

Polar



CIE
nL 1.00
94-98-100-100-100
UGR 12.7-12.5
DIN
A.61
UTE
1.00A+0.00T
F"1=939
F"1+F"2=980
F"1+F"2+F"3=996
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

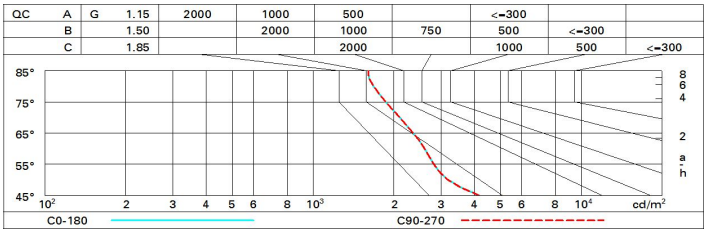
Lux

h	d	Em	Emax
2	1.1	348	443
4	2.3	87	111
6	3.4	39	49
8	4.6	22	28

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	88	82	79	76	81	78	77	74	74
1.0	92	87	84	81	86	83	82	79	79
1.5	97	93	91	88	92	90	89	85	85
2.0	101	98	96	94	96	94	93	90	90
2.5	103	101	99	97	99	97	96	93	93
3.0	104	103	101	100	101	100	98	96	96
4.0	105	104	103	102	103	102	100	98	98
5.0	106	105	105	104	104	103	101	99	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 660 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	11.1	11.7	11.4	11.9	12.2	11.1	11.7	11.4	11.9	12.2
	3H	11.7	12.2	12.0	12.5	12.8	11.2	11.8	11.5	12.1	12.3
	4H	11.9	12.4	12.2	12.7	13.0	11.3	11.8	11.6	12.1	12.4
	6H	12.1	12.6	12.4	12.9	13.2	11.3	11.7	11.6	12.1	12.4
	8H	12.1	12.6	12.5	12.9	13.3	11.2	11.7	11.6	12.0	12.4
	12H	12.2	12.6	12.6	13.0	13.3	11.2	11.7	11.6	12.0	12.3
4H	2H	11.3	11.8	11.6	12.1	12.4	11.9	12.4	12.2	12.7	13.0
	3H	12.0	12.5	12.4	12.8	13.2	12.2	12.7	12.6	13.0	13.4
	4H	12.4	12.8	12.8	13.1	13.5	12.4	12.8	12.8	13.1	13.5
	6H	12.6	13.0	13.1	13.4	13.8	12.4	12.8	12.9	13.2	13.6
	8H	12.7	13.1	13.2	13.5	13.9	12.5	12.8	12.9	13.2	13.6
	12H	12.8	13.1	13.3	13.5	14.0	12.4	12.7	12.9	13.2	13.6
8H	4H	12.5	12.8	12.9	13.2	13.6	12.7	13.1	13.2	13.5	13.9
	6H	12.8	13.1	13.3	13.5	14.0	12.9	13.2	13.4	13.6	14.1
	8H	13.0	13.2	13.5	13.7	14.2	13.0	13.2	13.5	13.7	14.2
	12H	-9.9	-9.8	-9.4	-9.3	-8.8	-10.0	-9.9	-9.5	-9.4	-8.9
12H	4H	12.4	12.7	12.9	13.2	13.6	12.8	13.1	13.3	13.5	14.0
	6H	12.8	13.1	13.3	13.5	14.0	13.0	13.3	13.5	13.7	14.2
	8H	-10.0	-9.9	-9.5	-9.4	-8.9	-9.9	-9.8	-9.4	-9.3	-8.8

Variations with the observer position at spacing:

S =			
1.0H	1.9 / -1.0	1.9 / -1.0
1.5H	3.7 / -1.4	3.7 / -1.4
2.0H	5.3 / -1.7	5.3 / -1.7