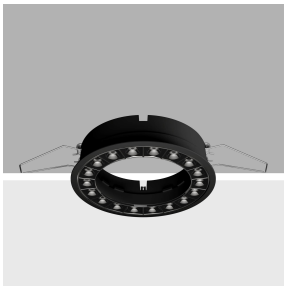
Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: April 2025

Product configuration: QS48
QS48: Frame Ø 170 - Flood beam - LED



Product code
QS48: Frame Ø 170 - Flood beam - LED

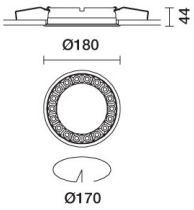
Technical description
Ring luminaire with 18 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Version includes a perimeter surface frame. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - Ø 170 installation hole.

Colour
White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | White / burnished chrome (E7)*

Weight (Kg)
0.68

* Colours on request



Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in DALI versions.

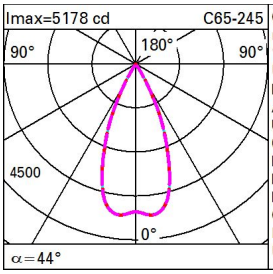
Complies with EN60598-1 and pertinent regulations

IP20 IP23

Technical data

lm system:	2615	Colour temperature [K]:	2700
W system:	39.1	MacAdam Step:	2
lm source:	3150	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	36	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	66.9	Lamp code:	LED
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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	44°	Control:	DALI-2
CRI (minimum):	90		

Polar



CIE
nL 0.83
100-100-100-100-83
UGR <10-<10
DIN
A.61
UTE
0.83A+0.00T
F"1=998
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

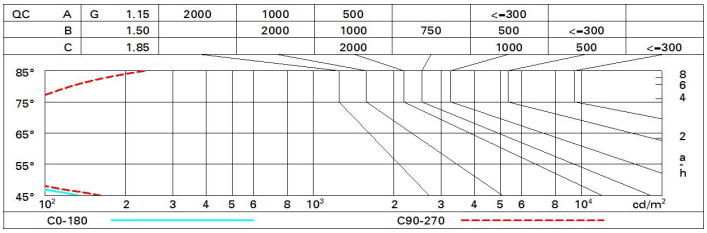
Lux

h	d1	d2	Em	Emax
2	1.6	1.6	1055	1275
4	3.2	3.2	264	319
6	4.8	4.8	117	142
8	6.5	6.5	66	80

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	80	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3150 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	1.3	1.9	1.6	2.1	2.4	1.6	2.2	1.9	2.4	2.7
	3H	1.2	1.7	1.5	2.0	2.3	1.5	2.0	1.8	2.3	2.5
	4H	1.1	1.6	1.5	1.9	2.2	1.4	1.9	1.7	2.2	2.5
	6H	1.0	1.5	1.4	1.8	2.1	1.3	1.8	1.7	2.1	2.4
	8H	1.0	1.4	1.4	1.8	2.1	1.3	1.7	1.7	2.0	2.4
	12H	1.0	1.4	1.3	1.7	2.1	1.3	1.7	1.6	2.0	2.3
4H	2H	1.1	1.6	1.5	1.9	2.2	1.4	1.9	1.7	2.2	2.5
	3H	1.0	1.4	1.3	1.7	2.1	1.3	1.7	1.6	2.0	2.4
	4H	0.9	1.2	1.3	1.6	2.0	1.2	1.5	1.6	1.9	2.3
	6H	0.8	1.1	1.2	1.5	1.9	1.1	1.4	1.5	1.8	2.2
	8H	0.7	1.0	1.2	1.5	1.9	1.0	1.3	1.5	1.7	2.2
	12H	0.7	1.0	1.2	1.4	1.8	1.0	1.3	1.4	1.7	2.1
8H	4H	0.7	1.0	1.2	1.4	1.9	1.1	1.4	1.5	1.8	2.2
	6H	0.7	0.9	1.1	1.3	1.8	1.0	1.2	1.5	1.7	2.2
	8H	0.6	0.8	1.1	1.3	1.8	0.9	1.1	1.4	1.6	2.1
	12H	0.5	0.7	1.1	1.2	1.7	0.9	1.1	1.4	1.6	2.1
12H	4H	0.7	1.0	1.2	1.4	1.8	1.1	1.3	1.5	1.8	2.2
	6H	0.6	0.8	1.1	1.3	1.8	1.0	1.2	1.5	1.7	2.2
	8H	0.5	0.7	1.1	1.2	1.7	0.9	1.1	1.4	1.6	2.1

Variations with the observer position at spacing:

S =			
	1.0H	6.9 / -19.8	6.8 / -11.5
	1.5H	9.8 / -20.9	9.6 / -11.7
	2.0H	11.8 / -21.3	11.6 / -12.0