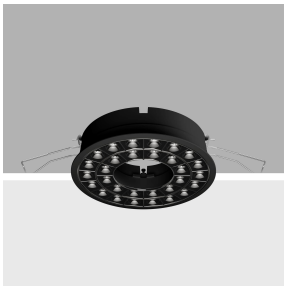
Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: April 2025

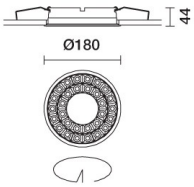
Product configuration: QS50
QS50: Frame Ø 170 - Medium beam - LED



Product code
QS50: Frame Ø 170 - Medium beam - LED

Technical description
Ring luminaire with 18+12 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. The 18 LED and 12 LED optical assemblies include control gear and separate on/off switches. 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)*

* Colours on request

Weight (Kg)
1.25

Mounting
ceiling recessed

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

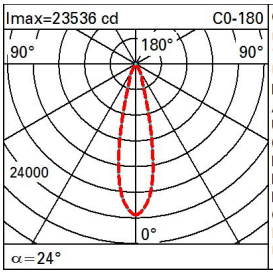
Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	5017	Colour temperature [K]:	4000
W system:	56.2	MacAdam Step:	2
lm source:	6350	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	51	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	89.3	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2
CRI (minimum):	80		

Polar



CIE
nL 0.79
100-100-100-100-79
UGR <10-<10
DIN
A.61
UTE
0.79A+0.00T
F"1=999
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

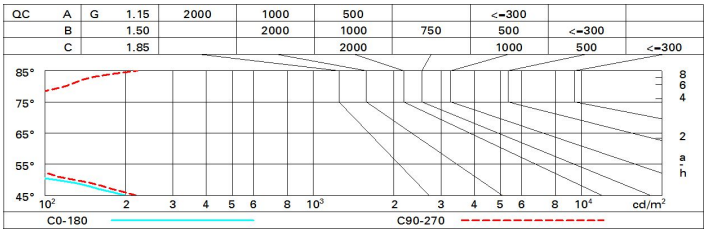
Lux

h	d1	d2	Em	Emax
2	0.9	0.9	4743	5884
4	1.7	1.7	1186	1471
6	2.6	2.6	527	654
8	3.4	3.4	296	368

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	74	71	69	67	70	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	78	99
5.0	84	84	84	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 6350 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	3.3	5.4	3.7	5.7	6.1	3.6	5.7	3.9	6.0	6.3
	3H	3.2	4.8	3.5	5.1	5.4	3.4	5.0	3.8	5.3	5.7
	4H	3.1	4.4	3.5	4.8	5.1	3.4	4.7	3.7	5.0	5.4
	6H	3.1	4.1	3.4	4.4	4.8	3.3	4.3	3.7	4.7	5.0
	8H	3.0	4.1	3.4	4.4	4.8	3.3	4.3	3.7	4.6	5.0
	12H	3.0	4.0	3.4	4.4	4.7	3.2	4.2	3.6	4.6	5.0
4H	2H	3.1	4.4	3.5	4.8	5.1	3.4	4.7	3.7	5.0	5.4
	3H	3.0	4.0	3.4	4.4	4.7	3.2	4.2	3.6	4.6	5.0
	4H	2.8	3.9	3.3	4.2	4.7	3.1	4.1	3.5	4.5	4.9
	6H	2.5	4.2	3.0	4.6	5.1	2.7	4.4	3.2	4.8	5.3
	8H	2.4	4.2	2.8	4.7	5.2	2.6	4.5	3.1	4.9	5.4
	12H	2.2	4.2	2.7	4.7	5.2	2.5	4.4	3.0	4.9	5.4
8H	4H	2.4	4.2	2.8	4.7	5.2	2.6	4.5	3.1	4.9	5.4
	6H	2.2	4.0	2.7	4.5	5.0	2.5	4.3	3.0	4.8	5.3
	8H	2.2	3.8	2.7	4.3	4.8	2.5	4.0	3.0	4.5	5.1
	12H	2.4	3.4	2.9	3.9	4.4	2.6	3.6	3.1	4.1	4.7
12H	4H	2.2	4.2	2.7	4.7	5.2	2.5	4.5	3.0	4.9	5.5
	6H	2.2	3.8	2.7	4.3	4.8	2.5	4.1	3.0	4.5	5.1
	8H	2.4	3.4	2.9	3.9	4.4	2.6	3.6	3.2	4.1	4.7

Variations with the observer position at spacing:

S =			
	1.0H	6.8 / -23.1	6.8 / -16.1
	1.5H	9.6 / -24.6	9.6 / -16.4
	2.0H	11.6 / -25.0	11.6 / -16.7