

## Blade R downlight

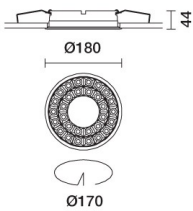
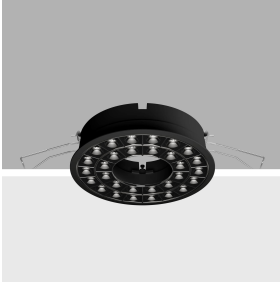
Design iGuzzini

iGuzzini

Last information update: April 2025

### Product configuration: QS51

QS51: Frame Ø 170 - Flood beam - LED



### Product code

QS51: Frame Ø 170 - Flood 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)\*

### Weight (Kg)

1.25

\* 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



### Technical data

lm system:	5271	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):	93.8	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):	80		

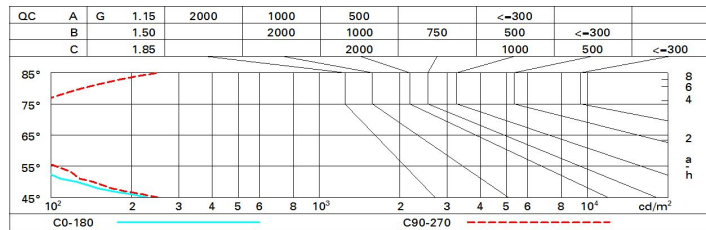
### Polar

CIE		Lux	
Imax=11069 cd	C75-255	h	d1 d2 Em Emax
90°	nL 0.83	2	1.6 1.6 2203 2742
180°	100-100-100-100-83	4	3.2 3.2 551 686
90°	UGR <10-<10	6	4.8 4.8 245 305
	DIN A.61	8	6.5 6.5 138 171
	UTE 0.83A+0.00T		
	F*1=999		
	F*1+F*2=1000		
	F*1+F*2+F*3=1000		
	CIBSE LG3 L<1500 cd/m <sup>2</sup> at 65°		
	UGR<10   L<1500 cd/mq @65°		
α=44°			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	69	66	71	68	68	65	78
1.0	78	75	72	71	74	72	71	69	83
1.5	82	80	78	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	87	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 6350 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/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											
x	y										
2H	2H	2.7	3.3	3.0	3.5	3.7	2.7	3.3	3.0	3.5	3.7
	3H	2.6	3.1	2.9	3.3	3.6	2.5	3.1	2.9	3.3	3.6
	4H	2.5	3.0	2.8	3.3	3.5	2.5	3.0	2.8	3.2	3.5
	6H	2.4	2.8	2.8	3.2	3.5	2.4	2.8	2.7	3.2	3.5
	8H	2.4	2.8	2.7	3.1	3.5	2.4	2.8	2.7	3.1	3.4
	12H	2.3	2.7	2.7	3.1	3.4	2.3	2.7	2.7	3.1	3.4
4H	2H	2.5	3.0	2.8	3.3	3.5	2.5	3.0	2.8	3.2	3.5
	3H	2.3	2.7	2.7	3.1	3.4	2.3	2.7	2.7	3.1	3.4
	4H	2.2	2.6	2.6	3.0	3.3	2.2	2.6	2.6	3.0	3.3
	6H	2.2	2.5	2.6	2.9	3.3	2.1	2.5	2.6	2.9	3.3
	8H	2.1	2.4	2.5	2.8	3.2	2.1	2.4	2.5	2.8	3.2
	12H	2.1	2.3	2.5	2.7	3.2	2.1	2.3	2.5	2.7	3.2
8H	4H	2.1	2.4	2.5	2.8	3.2	2.1	2.4	2.6	2.8	3.3
	6H	2.0	2.2	2.5	2.7	3.2	2.0	2.3	2.5	2.7	3.2
	8H	2.0	2.2	2.4	2.6	3.1	2.0	2.2	2.5	2.6	3.1
	12H	1.9	2.1	2.4	2.6	3.1	1.9	2.1	2.4	2.6	3.1
12H	4H	2.1	2.3	2.5	2.7	3.2	2.1	2.3	2.5	2.8	3.2
	6H	2.0	2.2	2.4	2.6	3.1	2.0	2.2	2.5	2.7	3.2
	8H	1.9	2.1	2.4	2.6	3.1	1.9	2.1	2.4	2.6	3.1
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -21.5					6.9 / -14.1				
	1.5H	9.7 / -23.4					9.7 / -14.5				
	2.0H	11.7 / -24.2					11.7 / -14.8				