

Blade R downlight

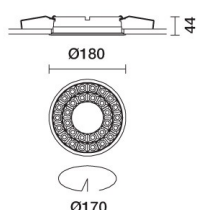
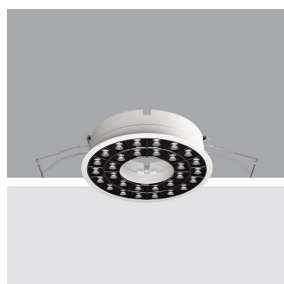
Design iGuzzini

iGuzzini

Last information update: November 2024

Product configuration: R778

R778: Frame Ø 170 - Medium beam - LED



Product code

R778: 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. 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)*

* 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	CRI (minimum):	80
W system:	51	Colour temperature [K]:	4000
lm source:	6350	MacAdam Step:	2
W source:	51	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	98.4	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

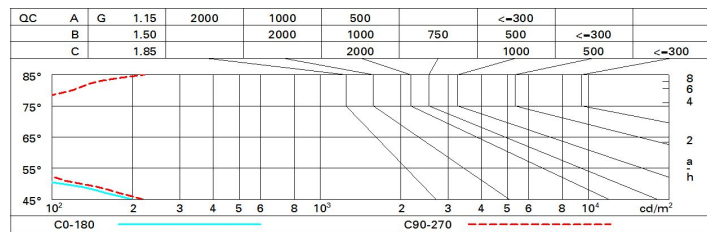
Polar

		Lux				
Imax=23536 cd	C0-180	CIE	h	d1	d2	Em Emax
nL 0.79	100-100-100-100-79	UGR <10-10	2	0.9	0.9	4743 5884
DIN A.61	UTE	0.79A+0.00T	4	1.7	1.7	1186 1471
F*1=999	F*1+F*2=1000	F*1+F*2+F*3=1000	6	2.6	2.6	527 654
CIBSE	LG3 L<1500 cd/m² at 65°	UGR<10 L<1500 cd/mq @65°	8	3.4	3.4	296 368
α=24°						

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)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
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				