

Blade R downlight

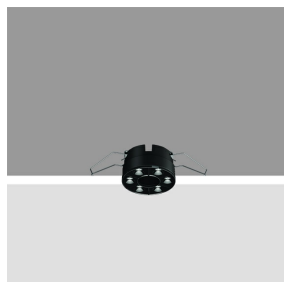
Design iGuzzini

iGuzzini

Last information update: November 2024

Product configuration: R227

R227: Minimal Ø 80 - Medium beam - LED



Product code

R227: Minimal Ø 80 - Medium beam - LED

Technical description

Ring luminaire with 6 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. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. 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 80 installation hole.

Colour

White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*

Weight (Kg)

0.18

* Colours on request

Mounting

ceiling recessed

Wiring

On the power supply unit with terminal board included. Available in on/off electronic versions.

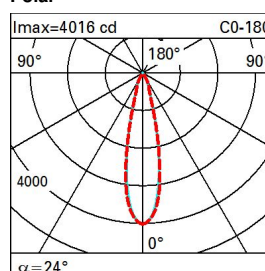
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	840	CRI (minimum):	90
W system:	12	Colour temperature [K]:	2700
lm source:	1050	MacAdam Step:	2
W source:	12	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	70	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	On/off

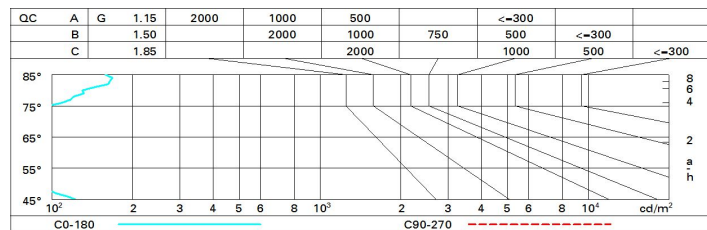
Polar

	Imax=4016 cd		C0-180		CIE nL 0.80 100-100-100-100-80 UGR <10-<10 DIN A.61 UTE 0.80A+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	799	1004		
	4	1.7	1.7	200	251		
	6	2.6	2.6	89	112		
	8	3.4	3.4	50	63		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	82	80	78	77	79	77	77	74	93
2.5	83	82	81	80	81	80	79	77	96
3.0	84	83	82	82	82	81	80	78	98
4.0	85	84	84	83	83	83	81	79	99
5.0	86	85	85	84	84	83	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	2.5	4.6	2.9	4.9	5.2	3.7	5.8	4.1	6.2	6.5
	3H	2.3	3.9	2.7	4.3	4.6	3.6	5.2	4.0	5.5	5.8
	4H	2.3	3.6	2.7	3.9	4.3	3.5	4.9	3.9	5.2	5.5
	6H	2.2	3.3	2.6	3.6	4.0	3.5	4.5	3.9	4.9	5.2
	8H	2.2	3.2	2.6	3.6	4.0	3.4	4.5	3.8	4.8	5.2
	12H	2.2	3.2	2.6	3.6	3.9	3.4	4.4	3.8	4.8	5.2
4H	2H	2.3	3.6	2.7	3.9	4.3	3.5	4.9	3.9	5.2	5.5
	3H	2.1	3.2	2.5	3.5	3.9	3.4	4.4	3.8	4.8	5.2
	4H	2.0	3.0	2.4	3.4	3.8	3.3	4.3	3.7	4.7	5.1
	6H	1.7	3.4	2.2	3.8	4.3	2.9	4.6	3.4	5.0	5.5
	8H	1.6	3.4	2.1	3.9	4.4	2.8	4.6	3.3	5.1	5.6
	12H	1.5	3.4	2.0	3.9	4.4	2.7	4.6	3.2	5.1	5.6
8H	4H	1.5	3.4	2.0	3.9	4.4	2.8	4.6	3.3	5.1	5.6
	6H	1.4	3.2	1.9	3.7	4.2	2.7	4.4	3.2	4.9	5.5
	8H	1.4	3.0	2.0	3.5	4.0	2.7	4.2	3.2	4.7	5.2
	12H	1.6	2.6	2.1	3.1	3.6	2.8	3.8	3.3	4.3	4.8
12H	4H	1.4	3.4	1.9	3.9	4.4	2.7	4.6	3.2	5.1	5.6
	6H	1.4	3.0	1.9	3.5	4.0	2.7	4.2	3.2	4.7	5.2
	8H	1.6	2.6	2.1	3.1	3.6	2.8	3.8	3.3	4.3	4.8
Variations with the observer position at spacing:											
S =	1.0H	6.6 / -12.8					6.7 / -17.1				
	1.5H	9.4 / -13.0					9.5 / -17.3				
	2.0H	11.4 / -13.0					11.5 / -17.5				