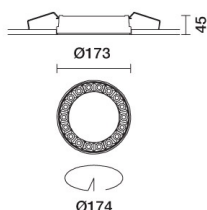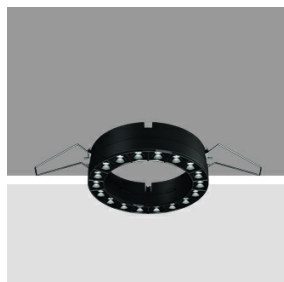# Blade R downlight

Design iGuzzini   **iGuzzini**

Last information update: November 2024

Product configuration: R795
R795: MInimal Ø 174 - Wide Flood beam - LED

Product code
R795: MInimal Ø 174 - Wide 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. 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 12,5 to 25 mm thick - Ø 174 installation hole.

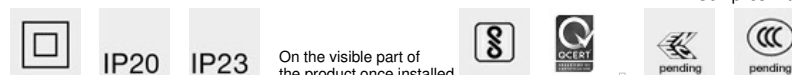| Colour	Weight (Kg)
White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*	0.68

* Colours on request

Mounting
ceiling recessed

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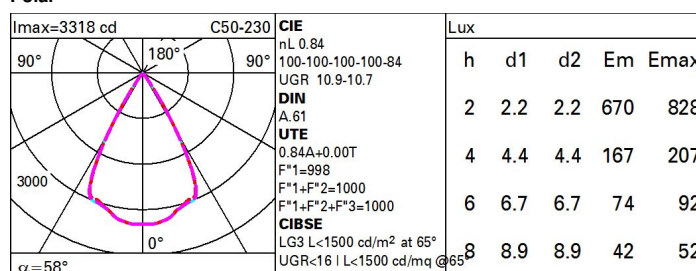On the power supply unit with terminal board included. Available in DALI electronic versions.

Complies with EN60598-1 and pertinent regulations

IP20   IP23   On the visible part of the product once installed   pending   pending

Technical data

lm system:	2646	CRI (minimum):	90
W system:	36	Colour temperature [K]:	2700
lm source:	3150	MacAdam Step:	2
W source:	36	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	73.5	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.) [%]:	84	Number of optical assemblies:	1
Beam angle [°]:	58°	Control:	DALI-2

Polar

CIE				
nL 0.84				
100-100-100-100-84				
UGR 10.9-10.7				
DIN				
A.61				
UTE				
0.84A+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<16 | L<1500 cd/mq @65°				

Imax=3318 cd   C50-230   α=58°

Lux				
h	d1	d2	Em	Emax
2	2.2	2.2	670	828
4	4.4	4.4	167	207
6	6.7	6.7	74	92
8	8.9	8.9	42	52

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	72	69	67	71	69	68	66	78
1.0	79	76	73	71	75	73	72	70	83
1.5	83	80	78	77	79	78	77	74	89
2.0	86	84	82	81	83	81	80	78	93
2.5	87	86	85	84	85	84	83	80	96
3.0	88	87	86	86	86	85	84	82	98
4.0	89	88	88	87	87	87	85	83	99
5.0	90	89	89	89	88	88	86	84	100

Luminance curve limit

QC												
	A	G	1.15	2000	1000	500		<=300				
	B		1.50		2000	1000	750	500	<=300			
	C		1.85			2000		1000	500	<=300		

C0-180 ————   C90-270 - - - - - - - - - -
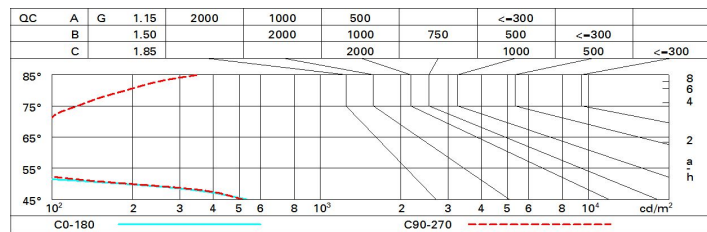
UGR diagram

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					viewed		
x	y			crosswise					endwise		
2H	2H	11.5	12.1	11.7	12.3	12.5	11.3	11.9	11.6	12.1	12.3
	3H	11.3	11.9	11.6	12.1	12.4	11.2	11.7	11.5	12.0	12.2
	4H	11.3	11.8	11.6	12.0	12.3	11.1	11.6	11.4	11.9	12.2
	6H	11.2	11.6	11.5	11.9	12.3	11.0	11.5	11.4	11.8	12.1
	8H	11.1	11.6	11.5	11.9	12.2	11.0	11.4	11.3	11.7	12.1
	12H	11.1	11.5	11.5	11.9	12.2	10.9	11.3	11.3	11.7	12.0
4H	2H	11.3	11.8	11.6	12.0	12.3	11.1	11.6	11.4	11.9	12.2
	3H	11.1	11.5	11.5	11.9	12.2	10.9	11.3	11.3	11.7	12.0
	4H	11.0	11.4	11.4	11.8	12.1	10.8	11.2	11.2	11.6	12.0
	6H	10.9	11.3	11.4	11.6	12.1	10.7	11.1	11.2	11.5	11.9
	8H	10.9	11.2	11.3	11.6	12.0	10.7	11.0	11.1	11.4	11.8
	12H	10.8	11.1	11.3	11.5	12.0	10.7	10.9	11.1	11.4	11.8
8H	4H	10.9	11.2	11.3	11.6	12.0	10.7	11.0	11.1	11.4	11.9
	6H	10.8	11.0	11.3	11.5	12.0	10.6	10.9	11.1	11.3	11.8
	8H	10.7	10.9	11.2	11.4	11.9	10.6	10.8	11.0	11.2	11.7
	12H	10.7	10.9	11.2	11.3	11.9	10.5	10.7	11.0	11.2	11.7
12H	4H	10.8	11.1	11.3	11.5	12.0	10.7	10.9	11.1	11.4	11.8
	6H	10.7	10.9	11.2	11.4	11.9	10.6	10.8	11.1	11.2	11.7
	8H	10.7	10.9	11.2	11.3	11.9	10.5	10.7	11.0	11.2	11.7

Variations with the observer position at spacing:

S =	1.0H	6.9 / -27.9	6.8 / -18.2
	1.5H	9.7 / -28.2	9.6 / -18.4
	2.0H	11.7 / -28.5	11.6 / -18.6