Design iGuzzini iGuzzini

Last information update: June 2025

Product configuration: RA84

RA84: Minimal 1 cell - Flood beam - LED



Product code

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Technical description

Square miniaturised recessed luminaire for a single LED lamp - fixed optic. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux and a high level of controlled glare visual comfort. Main body with die-cast zamak radiant surface, minimal (frameless) version for mounting flush with the ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition Opti Beam reflector, integrated in a set-back position in the anti-glare screen. Ballast not included, available with separate code.

Installation

The luminaire is recessed in the specific adapter (QJ86) by means of a steel wire spring, previously installed on the ceiling that can be 12.5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.







Colour

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

Weight (Kg)

0.04

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

Constant current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 8); dimmable DALI - code no. BZM4 (min 2 / max 20) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

Notes

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

Complies with EN60598-1 and pertinent regulations















Technical data			
Im system:	168	CRI (minimum):	90
W system:	2	Colour temperature [K]:	3500
Im source:	210	MacAdam Step:	2
W source:	2	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W,	84	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Total Ingilia name and all and a land	0	ZVEI Code:	LED
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.)	80	assemblies:	
[%]:		LED current [mA]:	700
Beam angle [°]:	42°		

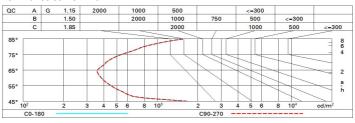
Polar

Imax=353 cd		Lux			
90° 180° 90°	nL 0.80 100-100-100-100-80	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	1	0.8	281	352
	0.80A+0.00T F"1=997	2	1.5	70	88
375	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	3	2.3	31	39
α=42°	LG3 L<3000 cd/m² at 65° UGR<10 L<3000 cd/mq @	65° 4	3.1	18	22

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	76	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



2H 2I 3I 4I 6I 6I 8H 4I 6I 8I 8H 4I 8I	im y 2H 3H 4H 6H 8H 12H 2H	0.70 0.50 0.20 8.5 8.4 8.3 8.3 8.3 8.3 8.3	0.70 0.30 0.20 9.1 8.9 8.8 8.7 8.7 8.7	0.50 0.50 0.20 viewed crosswise 8.8 8.7 8.7 8.6 8.6 8.6		9.6 9.5 9.4 9.4 9.4	0.70 0.50 0.20 8.5 8.4 8.3 8.2 8.2	0.70 0.30 0.20 9.1 8.9 8.8 8.7 8.6 8.6	0.50 0.50 0.20 viewed endwise 8.8 8.7 8.7 8.6 8.6 8.6		9.6 9.6 9.6 9.6 9.6 9.6 9.6
walls work pl. Room din x y 2H 2I 31 41 61 81 12 8H 4I 61 81	im y 2H 3H 4H 6H 8H 12H 2H	0.50 0.20 8.5 8.4 8.3 8.3 8.3 8.2	9.1 8.9 8.8 8.7 8.7 8.7	0.50 0.20 viewed crosswise 8.8 8.7 8.7 8.6 8.6 8.6	0.30 0.20 e 9.3 9.2 9.1 9.0 9.0	9.6 9.5 9.4 9.4	0.50 0.20 8.5 8.4 8.3 8.2 8.2	9.1 8.9 8.8 8.7 8.6	0.50 0.20 viewed endwise 8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.0 9.0 9.5 9.4 9.3
Work pl. Room din X	im y 2H 3H 4H 6H 8H 12H 2H	8.5 8.4 8.3 8.3 8.3 8.2	9.1 8.9 8.8 8.7 8.7 8.7	0.20 viewed crosswise 8.8 8.7 8.7 8.6 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.6 9.5 9.4 9.4	8.5 8.4 8.3 8.2 8.2	9.1 8.9 8.8 8.7 8.6	0.20 viewed endwise 8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.0 9.1 9.2 9.2 9.3
Room din x y 2 2 H 2 3 3 4 6 6 6 1 2 2 4 H 2 1 6 6 6 6 6 6 6 6 6	im y 2H 3H 4H 6H 8H 12H 2H	8.5 8.4 8.3 8.3 8.3 8.2	9.1 8.9 8.8 8.7 8.7 8.7	8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.6 9.5 9.4 9.4 9.4	8.5 8.4 8.3 8.2 8.2	9.1 8.9 8.8 8.7 8.6	8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.9 9.9 9.9 9.9
X Y 2H 2I 3I 4I 6I 8I 12 4H 2I 8H 4I 6I 8I	y 2H 3H 4H 6H 8H 12H 2H 3H	8.4 8.3 8.3 8.3 8.2	9.1 8.9 8.8 8.7 8.7 8.7	8.8 8.7 8.7 8.6 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.5 9.4 9.4 9.4	8.4 8.3 8.2 8.2	9.1 8.9 8.8 8.7 8.6	8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9. 9. 9.
2H 2I 3I 4I 6I 6I 8I 6I 8I 8I 6I 8I 8I 6I 8I	2H 3H 4H 6H 8H 12H 2H 3H	8.4 8.3 8.3 8.3 8.2	9.1 8.9 8.8 8.7 8.7 8.7	8.8 8.7 8.7 8.6 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9.5 9.4 9.4 9.4	8.4 8.3 8.2 8.2	9.1 8.9 8.8 8.7 8.6	8.8 8.7 8.7 8.6 8.6	9.3 9.2 9.1 9.0 9.0	9. 9. 9.
31 41 61 81 12 4H 21 31 41 61 81 12	3H 4H 6H 8H 12H 2H 3H	8.4 8.3 8.3 8.3 8.2	8.9 8.8 8.7 8.7 8.7	8.7 8.7 8.6 8.6 8.6	9.2 9.1 9.0 9.0 9.0	9.5 9.4 9.4 9.4	8.4 8.3 8.2 8.2	8.9 8.8 8.7 8.6	8.7 8.6 8.6	9.2 9.1 9.0 9.0	9.5 9.5 9.5
4H 21 33 4H 6H 8H 6H 6H 6H 6H 6H 6H 6H 8H 6H 8H	4H 6H 8H 12H 2H 3H	8.3 8.3 8.3 8.2	8.8 8.7 8.7 8.7	8.7 8.6 8.6 8.6	9.1 9.0 9.0 9.0	9.4 9.4 9.4	8.3 8.2 8.2	8.8 8.7 8.6	8.7 8.6 8.6	9.1 9.0 9.0	9. 9. 9.
60 81 12 4H 21 31 41 60 81 12 8H 41 61 81	6H 8H 12H 2H 3H	8.3 8.3 8.2	8.7 8.7 8.7	8.6 8.6 8.6	9.0 9.0 9.0	9.4 9.4	8.2 8.2	8.7 8.6	8.6 8.6	9.0 9.0	9.
4H 2I 33 44 66 81 12	8H 12H 2H 3H	8.3 8.2 8.3	8.7 8.7 8.8	8.6	9.0 9.0	9.4	8.2	8.6	8.6	9.0	9.
12 4H 2I 3I 6I 8I 12 8H 4I 6I 8I 8I 8I	2H 2H 3H	8.2	8.8	8.6	9.0						
4H 21 31 4l 6l 8l 12 8H 4l 6l 8l	2H 3H	8.3	8.8	Water S	9252	9.4	8.2	8.6	8.6	8.9	0 1
31 41 61 81 12 8H 41 61 81	ЗН			8.7	91						3.
41 61 81 12 8H 41 61 81		8.2	2.6		3.1	9.4	8.3	8.8	8.7	9.1	9.
61 81 12 8H 41 61 81	2000		0.0	8.6	8.9	9.3	8.2	8.6	8.6	8.9	9.
8I 12 8H 4I 6I 8I	4H	8.1	8.5	8.5	8.8	9.2	8.1	8.5	8.5	8.8	9.
12 8H 44 6I 8I	бН	8.1	8.4	8.5	8.8	9.2	0.8	8.4	8.5	8.7	9.
8H 4I 6I 8I	H8	0.8	8.3	8.5	8.7	9.2	0.8	8.3	8.4	8.7	9.
61 81	2H	0.8	8.3	8.5	8.7	9.2	7.9	8.2	8.4	8.6	9.
81	4H	0.8	8.3	8.4	8.7	9.1	0.8	8.3	8.5	8.7	9.
	бН	7.9	8.2	8.4	8.6	9.1	0.8	8.2	8.4	8.7	9.
12	H8	7.9	8.1	8.4	8.6	9.1	7.9	8.1	8.4	8.6	9.
	2H	0.8	8.2	8.5	8.6	9.2	7.9	8.1	8.4	8.6	9.
12H 4	4H	7.9	8.2	8.4	8.6	9.1	0.8	8.3	8.5	8.7	9.
61	бН	7.9	8.1	8.4	8.6	9.1	0.8	8.2	8.5	8.7	9.
8	8H	7.9	8.1	8.4	8.6	9.1	0.8	8.2	8.5	8.6	9.
Variations	ns wi	th the ol	bserverp	osition a	at spacir	ıg:					
S = 1.0	.0Н		6	.7 / -8.	9			6	.7 / -8.	9	
1.5	5H	9.5 / -9.1					9.5 / -9.1				

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