Design iGuzzini

iGuzzini

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Minimal 5 cells - Wideflood beam - LED

Product code Q548

Technical description

Linear miniaturised recessed luminaire with 5 optical elements for LED lamps - fixed optic. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow 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. Metallised, thermoplastic, high definition Opti Beam reflectors, 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 on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (compatible thicknesses of 12.5 / 15 / 20 mm) with screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic end finishing. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up. Preparation hole 28 x 94.

Dimension (mm) 92x25x49

Colour White (01) | Black (04) | Brass (14) | (E6)

Weight (Kg) 0.37

Mounting

wall recessed|ceiling recessed

Wiring

On the power supply unit with terminal board included.

Notes

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



Product configuration: Q548

Product characteristics Total lighting output [Lm]: 722 Total power [W]: 12.7 Luminous efficacy [Lm/W]: 56.9 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83 Lamp code: LED ZVEI Code: LED Nominal power [W]: 9.7 Nominal luminous [Lm]: 870 Lamp maximum intensity [cd]: / Beam angle [°]: 58°

Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: 230 Number of optical assemblies: 1

Complies with EN60598-1 and pertinent regulations

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 3 Colour temperature [K]: 4000 CRI: 90 Wavelength [Nm]: / MacAdam Step: 3





Polar

Imax=920 cd	CIE	Lux			
90° 180° 90°	nL 0.83 100-100-100-100-83	h	d	Em	Emax
	UGR 16.3-16.3 DIN A.61 UTE	1	1.1	732	913
K	0.83A+0.00T F"1=996	2	2.2	183	228
900	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	3	3.3	81	101
α=58°	LG3 L<500 cd/m ² at 65°	4	4.4	46	57

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	78	77	76	73	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	86	85	83	100

Luminance curve limit

ac	A	G 1	.15	2000	1000	500		<-300		
	в	1	.50		2000	1000	750	500	<-300	
	C	1	.85			2000		1000	500	<=300
35°										- 6
										- 4
5°	/									-
5°										
5-										- 2
5°										<u> </u>
. o								$\langle \rangle$	$\langle \rangle$	- F
15°										
1	0 ²	2		3 4 5	6 8 1	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
-	C0-180	-					C90-270 -			

UGR diagram

m 2H 33H 4H 5H 2H 2H 2H 2H 2H 3H 4H 3H	0.70 0.50 0.20 16.8 16.7 16.6 16.5 16.5 16.5 16.5 16.4 16.3	0.70 0.30 0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8 16.7	0.50 0.20 viewed crosswis 17.1 17.0 17.0 16.9 16.9 16.9 16.9 17.0 16.9	e 17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.3	0.30 0.30 0.20 17.8 17.7 17.6 17.6 17.5 17.5 17.5	0.70 0.50 0.20 16.8 16.7 16.6 16.5 16.5 16.5 16.6 16.5	0.70 0.30 0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	0.50 0.20 viewed endwise 17.1 17.0 17.0 16.9 16.9 16.9 16.9	17.5 17.4 17.3 17.2 17.2 17.2 17.2	0.30 0.30 0.20 17.8 17.7 17.6 17.6 17.5 17.5
y 2H 3H 4H 3H 2H 2H 2H 3H 4H 4H	0.50 0.20 16.8 16.7 16.6 16.5 16.5 16.5 16.5 16.4	0.30 0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	0.50 0.20 viewed crosswis 17.1 17.0 17.0 16.9 16.9 16.9 17.0 16.9	0.30 0.20 e 17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.2	0.30 0.20 17.8 17.7 17.6 17.6 17.5 17.5 17.5	0.50 0.20 16.8 16.7 16.6 16.6 16.5 16.5 16.6	0.30 0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0	0.50 0.20 viewed endwise 17.1 17.0 17.0 16.9 16.9 16.9 16.9	0.30 0.20 17.5 17.4 17.3 17.2 17.2 17.2 17.3	0.30 0.20 17.8 17.7 17.6 17.6 17.5 17.5
y 2H 3H 4H 3H 2H 2H 2H 3H 4H 4H	0.20 16.8 16.7 16.6 16.5 16.5 16.5 16.5 16.4	0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	0.20 viewed crosswis 17.1 17.0 17.0 16.9 16.9 16.9 16.9 17.0 16.9	0.20 e 17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.2	0.20 17.8 17.7 17.6 17.6 17.5 17.5 17.5	0.20 16.8 16.7 16.6 16.5 16.5 16.5	0.20 17.3 17.1 17.0 16.9 16.9 16.8 17.0	0.20 viewed endwise 17.1 17.0 17.0 16.9 16.9 16.9 17.0	0.20 17.5 17.4 17.3 17.2 17.2 17.2 17.3	0.20 17.8 17.7 17.6 17.5 17.5
y 2H 3H 4H 3H 2H 2H 2H 3H 4H 4H	16.8 16.7 16.6 16.5 16.5 16.5 16.6 16.5 16.4	17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	viewed crosswis 17.1 17.0 17.0 16.9 16.9 16.9 17.0 16.9	e 17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.3	17.8 17.7 17.6 17.6 17.5 17.5	16.8 16.7 16.6 16.5 16.5 16.5	17.3 17.1 17.0 16.9 16.9 16.8 17.0	viewed endwise 17.1 17.0 17.0 16.9 16.9 16.9 17.0	17.5 17.4 17.3 17.2 17.2 17.2 17.3	17.8 17.7 17.6 17.6 17.5 17.5
y 2H 3H 4H 3H 2H 2H 2H 3H 4H 4H	16.7 16.6 16.5 16.5 16.5 16.6 16.5 16.4	17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	17.1 17.0 17.0 16.9 16.9 16.9 16.9 17.0 16.9	e 17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.3	17.7 17.6 17.6 17.5 17.5 17.5	16.7 16.6 16.6 16.5 16.5 16.5	17.3 17.1 17.0 16.9 16.9 16.8	endwise 17.1 17.0 17.0 16.9 16.9 16.9 16.9	17.5 17.4 17.3 17.2 17.2 17.2 17.2	17.7 17.6 17.6 17.5 17.5
2H 3H 4H 3H 2H 2H 2H 3H 4H 3H	16.7 16.6 16.5 16.5 16.5 16.6 16.5 16.4	17.3 17.1 17.0 16.9 16.9 16.8 17.0 16.8	17.1 17.0 17.0 16.9 16.9 16.9 16.9 17.0 16.9	17.5 17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.3	17.7 17.6 17.6 17.5 17.5 17.5	16.7 16.6 16.6 16.5 16.5 16.5	17.3 17.1 17.0 16.9 16.9 16.8	17.1 17.0 17.0 16.9 16.9 16.9	17.5 17.4 17.3 17.2 17.2 17.2 17.2	17.7 17.6 17.6 17.5 17.5
3H 4H 3H 2H 2H 3H 4H 3H	16.7 16.6 16.5 16.5 16.5 16.6 16.5 16.4	17.1 17.0 16.9 16.9 16.8 17.0 16.8	17.0 17.0 16.9 16.9 16.9 17.0 16.9	17.4 17.3 17.2 17.2 17.2 17.2 17.3 17.3	17.7 17.6 17.6 17.5 17.5 17.5	16.7 16.6 16.6 16.5 16.5 16.5	17.1 17.0 16.9 16.9 16.8	17.0 17.0 16.9 16.9 16.9	17.4 17.3 17.2 17.2 17.2 17.3	17.7 17.6 17.6 17.5 17.5
4H 3H 2H 2H 3H 4H 3H	16.6 16.5 16.5 16.5 16.6 16.5 16.4	17.0 16.9 16.9 16.8 17.0 16.8	17.0 16.9 16.9 16.9 17.0 16.9	17.3 17.2 17.2 17.2 17.3 17.3	17.6 17.6 17.5 17.5 17.5	16.6 16.6 16.5 16.5 16.5	17.0 16.9 16.9 16.8	17.0 16.9 16.9 16.9	17.3 17.2 17.2 17.2 17.3	17.6 17.6 17.5 17.5
5H 2H 2H 3H 4H 5H	16.6 16.5 16.5 16.6 16.5 16.4	16.9 16.9 16.8 17.0 16.8	16.9 16.9 16.9 17.0 16.9	17.2 17.2 17.2 17.3 17.3	17.6 17.5 17.5 17.5	16.6 16.5 16.5 16.6	16.9 16.9 16.8 17.0	16.9 16.9 16.9 17.0	17.2 17.2 17.2 17.3	17.0 17.5 17.5
3H 2H 2H 3H 4H 3H	16.5 16.5 16.6 16.5 16.4	16.9 16.8 17.0 16.8	16.9 16.9 17.0 16.9	17.2 17.2 17.3 17.2	17.5 17.5 17.6	16.5 16.5 16.6	16.9 16.8 17.0	16.9 16.9 17.0	17.2 17.2 17.3	17.5 17.5 17.6
2 H 2H 3H 4H 3H	16.5 16.6 16.5 16.4	16.8 17.0 16.8	16.9 17.0 16.9	17.2 17.3 17.2	17.5 17.6	16.5 16.6	16.8 17.0	16.9 17.0	17.2 17.3	17.5
2H 3H 4H 3H	16.6 16.5 16.4	17.0 16.8	17.0 16.9	17.3 17.2	17.6	16.6	17.0	17.0	17.3	17.6
3H 4H 3H	16.5 16.4	16.8	16.9	17.2						
4H 3H	16.4				17.5	16.5	168	18.0	17.0	
3H		16.7	168				10.0	16.9	17.2	17.5
	16.3			17.1	17.4	16.4	16.7	16.8	17.1	17.4
BH		16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4
2H	16.2	16.4	16.7	16.9	17.3	16.2	16.4	16.7	16.9	17.3
4H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4
3H	16.2	16.4	16.6	16.8	17.3	16.2	16.4	16.6	16.8	17.3
BH	16.1	16.3	16.6	16.7	17.2	16.1	16.3	16.6	16.7	17.2
2H	16.1	16.2	16.6	16.7	17.2	16. <mark>1</mark>	16.2	16.6	16.7	17.2
4H	16.2	16.4	16.7	16.9	17.3	16.2	16.4	16.7	16.9	17.3
ЗH	16.1	16.3	16.6	16.7	17.2	16.1	16.3	16.6	16.7	17.2
BH	16.1	16.2	16.6	16.7	17.2	16. <mark>1</mark>	16.2	16.6	16.7	17.2
ns wi	th the ob	oserverp	osition	at spacin	ig:	1.5				
OH		6.	5 / -24	.9	6.5 / -24.9					
5H		9.	4 / -25	.6	9.4 / -25.6					
4 3 3	H H H S wi	H 16.2 H 16.1 H 16.1 S with the of DH	H 16.2 16.4 H 16.1 16.3 H 16.1 16.2 s with the observer p OH 6. 5H 9.	H 16.2 16.4 16.7 H 16.1 16.3 16.6 H 16.1 16.2 16.6 s with the observer position - OH 6.5 / -24 5H 9.4 / -25	H 16.2 16.4 16.7 16.9 H 16.1 16.3 16.6 16.7 H 16.1 16.2 16.6 16.7 s with the observer position at spacin OH 6.5 / -24.9 5H 9.4 / -25.6	H 16.2 16.4 16.7 16.9 17.3 H 16.1 16.3 16.6 16.7 17.2 H 16.1 16.2 16.6 16.7 17.2 swith the observer position at spacing: DH 6.5 / -24.9 5H 9.4 / -25.6	H 16.2 16.4 16.7 16.9 17.3 16.2 H 16.1 16.3 16.6 16.7 17.2 16.1 H 16.1 16.2 16.6 16.7 17.2 16.1 H 16.1 16.2 16.6 16.7 17.2 16.1 s with the observer position at spacing: 0H 6.5 / -24.9 -24.9 0H 9.4 / -25.0	H 16.2 16.4 16.7 16.9 17.3 16.2 16.4 H 16.1 16.3 16.6 16.7 17.2 16.1 16.3 H 16.1 16.2 16.6 16.7 17.2 16.1 16.2 s with the observer position at spacing: 0H 6.5 / -24.9 6 0H 9.4 / -25.6 95	H 16.2 16.4 16.7 16.9 17.3 16.2 16.4 16.7 H 16.1 16.3 16.6 16.7 17.2 16.1 16.3 16.6 H 16.1 16.2 16.6 16.7 17.2 16.1 16.2 16.6 H 16.1 16.2 16.6 16.7 17.2 16.1 16.2 16.6 s with the observer position at spacing: 0H 6.5 / -24.9 6.5 / -24.9 6.5 / -24.9 6.5 / -24.9 OH 9.4 / -25.6 9.4 / -25.6 9.4 / -25.6 9.4 / -25.6 16.4 / -25.6	H 16.2 16.4 16.7 16.9 17.3 16.2 16.4 16.7 16.9 H 16.1 16.3 16.6 16.7 17.2 16.1 16.3 16.6 16.7 H 16.1 16.2 16.6 16.7 17.2 16.1 16.3 16.6 16.7 H 16.1 16.2 16.6 16.7 17.2 16.1 16.2 16.6 16.7 swith the observer position at spacing: 0.1 0.5 / -24.9 0.5 / -24.9 0.5 / -24.9 0.5 0.4 / -25.6 OH 9.4 / -25.6 9.4 / -25.6 9.4 / -25.6 0.4 / -25.6