iGuzzini

Last information update: June 2018

Minimal 4 cells - Wideflood beam - LED

Product code Q541

Technical description

Square miniaturised recessed luminaire with 4 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 visual comfort. Main body with die-cast aluminium 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. Ballast not included, available with separate code.

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 45 x 45.

Dimension (mm)

43x43x49

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

Weight (Kg) 0.11

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 2); dimmable DALI - code no. BZM4 (min 1 / max 5) - 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.



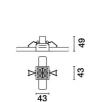
Product configuration: Q541

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

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83 Lamp code: LED ZVEI Code: LED Nominal power [W]: 7.8 Nominal luminous [Lm]: 580 Lamp maximum intensity [cd]: / Beam angle [°]: 58° Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 0 Colour temperature [K]: 2700 CRI: 90

Wavelength [Nm]: / MacAdam Step: 3



⊿7 45x45

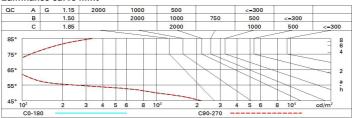


Imax=613 cd	CIE	Lux			
imax=013 cd		Lux			
90° 180° 90°	nL 0.83 100-100-100-100-83	h	d	Em	Emax
	UGR 15.5-15.5 DIN A.61	1	1.1	488	608
600	UTE 0.83A+0.00T F"1=996	2	2.2	122	152
	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	3	3.3	54	68
α=58°	LG3 L<500 cd/m ² at 65°	4	4.4	30	38

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



UGR	diagram

-											
Riflect.:		0.70	0.70	0.50	0.50	0.00	0.70	0.70	0.50	0.50	0.20
ceil/cav walls		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		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	У		crosswise						endwise	8	
2H	2H	16.1	16.7	16.4	16.9	17.2	16.1	16.7	16.4	16.9	17.2
	ЗH	16.0	16.5	16.3	16.8	17.1	16.0	16.5	16.3	16.8	17.1
	4H	15.9	16.4	16.2	16.7	17.0	15.9	16.4	16.2	16.7	17.0
	6H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
	HS	15.8	16.2	16.2	16.6	16.9	15.8	16.2	16.2	16.6	16.9
	12H	15.8	16.2	16.1	<mark>16</mark> .5	16.9	15.8	16.2	16.1	16.5	16.9
4H	2H	15.9	16.4	16.2	16.7	17.0	15.9	16.4	16.2	16.7	17.0
	ЗH	15.8	16.2	16.1	16.5	16.9	15.8	16.2	16.1	16.5	16.9
	4H	15.7	16.0	16.1	16.4	16.8	15.7	16.0	16.1	16.4	16.8
	6H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7
	8H	15.5	15.8	16.0	16.2	16.7	15.5	15.8	16.0	16.2	16.7
	12H	15.5	15.7	15.9	16.2	16.6	15.5	15.7	15.9	16.2	16.6
вн	4H	15.5	15.8	16.0	16.2	16.7	15.5	15.8	16.0	16.2	16.7
	6H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
	HS	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6
	12H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
12H	4H	15.5	15.7	15.9	16.2	16.6	15.5	1 <mark>5.</mark> 7	15.9	16.2	16.6
	бH	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6
	8H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
Varia	tions wi	th the ob	oserverp	osition a	at spacin	ig:					
S =	1.0H	6.5 / -24.9					6.5 / -24.9				
	1.5H	9.4 / -25.6					9.4 / -25.6				
	1.5H 2.0H	9.4 / -25.6 11.4 / -25.8					9.4 / -25.6 11.4 / -25.8				