Design iGuzzini iGuzzini

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Fixed recessed luminaire - Minimal - 2700K Warm LED - DALI dimmable control gear - Wide Flood

Product code

P789

Technical description

Fixed optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Flush with ceiling version (frameless). Passive heat dissipation system. Lamp body with radiant surface made of die-cast aluminum. False ceiling adapter with bracket system that adapts to the thickness of the panels. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a setback position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire

Installation

Recessed with steel springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (between 12.5 mm and 25 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic finishing. Preparation hole 125 x 125 Installation possible in a horizontal position.

Dimension (mm)

119x119x107

Colour

White (01) | Black (04)

Weight (Kg)

0.85

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations





















Product configuration: P789.01

Product characteristics

Total lighting output [Lm]: 1883 Total power [W]: 32.1 Luminous efficacy [Lm/W]: 58.7 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Optical assembly Characteristics Type 1 Light Output Ratio (L.O.R.) [%]: 65

Lamp code: LED ZVEI Code: LED Nominal power [W]: 29 Nominal luminous [Lm]: 2900 Lamp maximum intensity [cd]: / Beam angle [°]: 52°

Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: /

Voltage [V]:

Number of optical assemblies: 1

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 3.1 Colour temperature [K]: 2700

CRI: 90

Wavelength [Nm]: / MacAdam Step: 3

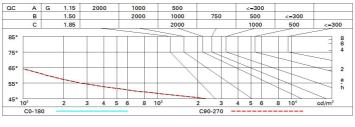
Polar

Imax=2888 cd	CIE	Lux			
90°	nL 0.65 99-100-100-100-65	h	d	Em	Emax
	UGR 11.9-11.9 DIN A.61 UTE	2	2	555	722
	0.65A+0.00T F"1=990	4	3.9	139	181
3000	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	5.9	62	80
α=52°	LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @	_{965°} 8	7.8	35	45

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	52	55	53	53	50	78
1.0	61	58	56	55	58	56	56	53	82
1.5	64	62	60	59	61	60	59	57	88
2.0	66	65	63	62	64	63	62	60	93
2.5	67	66	65	65	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	98
4.0	69	68	68	68	67	67	66	64	99
5.0	69	69	69	68	68	68	67	65	100

Luminance curve limit



UGR diagram

2H 2I 3I 4I 6I 6I 6I 6I 6I 12	у 2H 3H 4H 6H 8H 2H	0.70 0.50 0.20 12.5 12.3 12.3 12.2 12.1	0.70 0.30 0.20 13.0 12.8 12.7 12.6	0.50 0.50 0.20 viewed crosswise 12.7 12.6	13.3	0.30 0.30 0.20	0.70 0.50 0.20		0.50 0.50 0.20 viewed endwise	0.50 0.30 0.20	0.30 0.30 0.20
Work pl. Room din X y 2H 2I 3I 4I 6I 8I 12 8H 4I 6I 8I 12	у 2H 3H 4H 6H 8H 2H	12.5 12.3 12.3 12.2 12.1	13.0 12.8 12.7	0.20 viewed crosswise 12.7 12.6	0.20 e 13.3	0.20	0.20	0.20	0.20 viewed	0.20	
Room din x y 2H 2I 3I 4I 6I	у 2H 3H 4H 6H 8H 2H	12.5 12.3 12.3 12.2 12.1	13.0 12.8 12.7	viewed crosswise 12.7 12.6	e 13.3				viewed		0.20
Room din X	у 2H 3H 4H 6H 8H 2H	12.3 12.3 12.2 12.1	13.0 12.8 12.7	12.7 12.6	13.3	13.5	40.5			ly sandar	50053
2H 2I 3I 4I 6I 6I 6I 6I 6I 12	2H 3H 4H 5H 8H 2H	12.3 12.3 12.2 12.1	13.0 12.8 12.7	12.7 12.6	13.3	13.5	40.5		endwise	lij.	
31 41 61 81 12 44 21 31 41 61 81 81 12	3H 4H 6H 8H 2H	12.3 12.3 12.2 12.1	12.8 12.7	12.6		13.5	40.5				
4H 2I 31 60 81 12 12 12 12 14 41 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	4H BH BH 2 H	12.3 12.2 12.1	12.7				12.5	13.0	12.7	13.3	13.5
60 81 12 4H 21 4H 31 60 81 12 8H 41 61 81 12	BH 2H	12.2 12.1		40.0	13.1	13.4	12.3	12.8	12.6	13.1	13.4
81 12 4H 21 31 41 61 81 12 8H 41 12 12 12H 41	BH 2H	12.1	12.6	12.6	13.0	13.3	12.3	12.7	12.6	13.0	13.3
12 4H 2I 3I 4I 6I 8I 12 8H 4I 6I 8I 12	2H			12.5	12.9	13.3	12.2	12.6	12.5	12.9	13.3
4H 2I 3I 4I 6I 8I 12 8H 4I 6I 8I 12	COME.	40.4	12.6	12.5	12.9	13.2	12.1	12.6	12.5	12.9	13.2
31 41 61 81 12 8H 41 61 81 12	200	12.1	12.5	12.5	12.8	13.2	12.1	12.5	12.5	12.8	13.2
44 61 81 12 8H 41 61 81 12	2H	12.3	12.7	12.6	13.0	13.3	12.3	12.7	12.6	13.0	13.3
61 81 12 8H 41 61 81 12	3H	12.1	12.5	12.5	12.8	13.2	12.1	12.5	12.5	12.8	13.2
81 12 8H 4l 6l 8l 12	4H	12.0	12.4	12.4	12.7	13.1	12.0	12.4	12.4	12.7	13.1
12 8H 4H 6I 8I 12	ВН	11.9	12.2	12.4	12.6	13.1	11.9	12.2	12.3	12.6	13.1
8H 4I 6I 8I 12	ВН	11.9	12.2	12.3	12.6	13.0	11.9	12.2	12.3	12.6	13.0
61 81 12 12H 4	2H	11.8	12.1	12.3	12.5	13.0	11.8	12.1	12.3	12.5	13.0
81 12 12H 4	4H	11.9	12.2	12.3	12.6	13.0	11.9	12.2	12.3	12.6	13.0
12 12H 4	ВН	11.8	12.0	12.3	12.5	12.9	11.8	12.0	12.3	12.5	12.9
12H 4	ВН	11.7	11.9	12.2	12.4	12.9	11.7	11.9	12.2	12.4	12.9
	2H	11.7	11.9	12.2	12.3	12.9	11.7	11.9	12.2	12.3	12.9
61	4H	11.8	12.1	12.3	12.5	13.0	11.8	12.1	12.3	12.5	13.0
	ВН	11.7	11.9	12.2	12.4	12.9	11.7	11.9	12.2	12.4	12.9
8	ВН	11.7	11.9	12.2	12.3	12.9	11.7	11.9	12.2	12.3	12.9
Variations	ns wi	th the ob	oserver p	noitieo	at spacin	g:					
	0Н			1 / -21			6.1 / -21.4				
1.5	5H		8.	9 / -24	.0		8.9 / -24.0				