Design iGuzzini

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Last information update: May 2018

Deep Minimal - 1 element - CoB warm LED - medium beam - dimmable DALI

before inserting the recessed unit. Steel wire fixing springs. Preparation hole 106 x 106

Product code P909

Technical description

Individual recessed luminaire for LED lamp. Minimal (frameless) version with no contact frame. Shaped stainless steel sheet structural frame specifically designed for flush with ceiling application using the adapter supplied. Die-cast aluminium, twin swivel universal joint located in a position set back from the installation surface to guarantee a high level of visual comfort. Tilts ± 30° around both the horizontal and vertical axes. Die-cast aluminium lighting body designed to optimise heat dispersal. High efficiency aluminium reflector - medium angle. High color rendering index, warm white LED lamp. Glass cover Control gear unit included.

Installation Recessed in 12.5 mm thick false ceilings. The aluminium adapter is designed for filling, smoothing and finishing the false ceiling

100 106x106

Colour White (01) | Black (04)

Dimension (mm)

100x100x89

Weight (Kg) 0.7

Mounting

ceiling recessed

Wiring

Complete with DALI dimmable control gear unit connected to the luminaire. Wiring for connecting to mains network on driver terminal board

Notes

Accessories available: refractor for elliptical flow distribution - interchangeable reflectors - adapter for installation in 15 mm thick false ceilings



Product configuration: P909

Product characteristics Total lighting output [Lm]: 665 Total power [W]: 10.7 Luminous efficacy [Lm/W]: 62.1 Life Time: > 50,000h - L80 - B10 (Ta 25°C)	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.) [%]: 70	Number of lamps for optical assembly: 1

..O.R.) [%]: 70 Lamp code: LED ZVEI Code: LED Nominal power [W]: 8.4 Nominal luminous [Lm]: 950 Lamp maximum intensity [cd]: / Beam angle [°]: 26°

amps for optical assembly: 1 Socket: / Ballast losses [W]: 2.3 Colour temperature [K]: 3000 CRI: 90 Wavelength [Nm]: / MacAdam Step: 3

Complies with EN60598-1 and pertinent regulations

Polar

Imax=2705 cd		Lux			
90° 180° 90'		h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	0.9	556	676
$K \vee + V / $	0.70A+0.00T F"1=993	4	1.8	139	169
3000	F"1+F"2=999 F"1+F"2+F"3=1000	6	2.8	62	75
α=26°	LG3 L<500 cd/m² at 65° UGR<10 L<500 cd/mq @€	_{5°} 8	3.7	35	42

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	60	58	56	59	57	57	55	78
1.0	66	63	61	59	62	60	60	58	83
1.5	69	67	65	64	66	65	64	62	88
2.0	71	70	68	67	69	68	67	65	93
2.5	73	71	70	70	70	70	69	67	96
3.0	73	73	72	71	72	71	70	68	98
4.0	74	74	73	73	73	72	71	69	99
5.0	75	74	74	74	73	73	72	70	100

Luminance curve limit

ac	Α	G	1.15	2	000			000	_	500				<=30	-				
	в		1.50				2	000		1000		750		500		<	-300		
	С		1.85							2000				1000			500		<=300
85° 75° 65°	/	~								Ţ	R								864
55°												T	\checkmark					/	h
45 10) ²		2	3	4	5	6	8	10 ³		2	3	4	5 (3	8	10 ⁴	cd,	m ²
	C0-18	0					_				C90-	270							

UGR diagram

Rifler											
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		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	n dim	0.20	0.20	viewed		0.20	0.20	0.20	viewed	0.20	0.20
x	y			rosswis				endwise			
~	'							onariso			
2H	2H	-1.3	8.0	-0.9	1.1	1.5	-1.3	0.8	-0.9	1.1	1.5
	ЗH	-1.4	0.3	-1.0	0.6	1.0	-1.3	0.4	-0.9	0.7	1.0
	4H	-1.4	-0.0	-1.0	0.3	0.7	-1.4	0.0	-1.0	0.4	0.7
	6H	-1.4	-0.4	-1.1	-0.0	0.3	-1.4	-0.3	-1.0	0.0	0.4
	8H	-1.5	-0.4	-1.1	-0.1	0.3	-1.4	-0.4	-1.0	-0.0	0.3
	12H	-1.5	-0.5	-1.1	-0.1	0.3	-1.5	-0.4	-1.1	-0.1	0.3
4H	2H	-1.4	0.0	-1.0	0.4	0.7	-1.4	-0.0	-1.0	0.3	0.7
	ЗH	-1.4	-0.3	-1.0	0.0	0.4	-1.4	-0.3	-1.0	0.0	0.4
	4H	-1.5	-0.5	-1.0	-0.1	0.3	-1.5	-0.5	-1.0	-0.1	0.3
	6H	-1.8	-0.1	-1.3	0.4	8.0	-1.8	-0.1	-1.3	0.3	0.8
	HS	-1.9	0.0	-1.4	0.5	1.0	-2.0	-0.0	-1.5	0.4	0.9
	12H	-2.0	0.0	-1.5	0.5	1.0	-2.1	-0.1	-1.5	0.4	0.9
вн	4H	-2.0	-0.0	-1.5	0.4	0.9	-1 <u>.</u> 9	0.0	-1.4	0.5	1.0
	6H	-2.0	-0.2	-1.5	0.3	8.0	-2.0	-0.2	-1.5	0.3	0.9
	HS	-2.0	-0.4	-1.5	0.1	0.7	-2.0	-0.4	-1.5	0.1	0.7
	12H	- <mark>1.</mark> 8	-0.7	-1.2	-0.2	0.3	-1.8	-0.8	-1.3	-0.3	0.3
12H	4H	-2.1	-0.1	-1.5	0.4	0.9	-2.0	0.0	-1.5	0.5	1.0
	6H	-2.0	-0.4	-1.5	0.1	0.6	-2.0	-0.3	-1.4	0.2	0.7
	HS	-1.8	-0.8	-1.3	-0.3	0.3	-1.8	-0.7	-1.2	-0.2	0.3
Varia	tions wi	th the ot	oserverp	osition	at spacir	ig:					
5 =	1.0H		3	.9 / -2	.7		3	8.9 / -2.	7		
	1.5H		6	.3 / -4	6	6.3 / -4.6					