iGuzzini

Fixed circular recessed luminaire - Ø 96 mm - neutral white - white optic - DALI

Last information update: May 2018

Design iGuzzini

ø 109



Product code P509

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General lighting beam.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Dimension (mm)
Ø109x95

Colour White (01)

> Weight (Kg) 0.65

Mounting

ceiling recessed

Wiring

product complete with DALI components



Product configuration: P509

Product characteristics

Total lighting output [Lm]: 982 Total power [W]: 11.3 Luminous efficacy [Lm/W]: 86.9 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]: 8.9 Nominal luminous [Lm]: 1500 Lamp maximum intensity [cd]: / Beam angle [°]: 74° Total luminous flux at or above an angle of 90 $^{\circ}$ [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: - Number of optical assemblies: 1

Complies with EN60598-1 and pertinent regulations

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.4 Colour temperature [K]: 4000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 2

Polar Imax=720 cd CIE Lux nL 0.65 76-92-98-100-65 180° 90 90° h d Em Emax UGR 25.0-24.6 DIN 1 1.5 487 720 A 61 UTE 0.65B+0.00T 2 3 122 180 F"1=764 F"1+F"2=918 750 3 4.5 54 80 F"1+F"2+F"3=983 0° 6 30 4 45 $\alpha = 74^{\circ}$

P509_EN1/2

	Utilisation	factors
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R	77	75	73	71	55	53	33	00	DRR
K0.8	52	47	44	41	46	43	43	40	61
1.0	55	51	48	45	50	47	47	44	67
1.5	60	57	54	52	56	53	53	50	76
2.0	63	60	58	56	59	57	57	54	82
2.5	65	63	61	59	61	60	59	57	86
3.0	66	64	63	61	63	62	61	58	89
4.0	67	66	65	64	65	64	63	60	92
5.0	68	67	66	65	66	65	64	62	94

Luminance curve limit

QC	Α	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<-300	
	С		1.85			2000		1000	500	<=300
85°				< <		TT				8
75°				$\left\{ +\right\}$						4
65°				\rightarrow	\rightarrow					- 2
55°					\uparrow	\rightarrow				a h
45° [3	8	10 ³		2	3 4	5 6	8 10) ⁴	cd/m ²
	C0-18	0 -			<u> </u>		C90-270			

UGR diagram

	ct.:											
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 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		c	rosswis	е				endwise			
2H	2H	22.5	23.4	22.8	23.6	23.9	22.5	23.4	22.8	23.6	23.9	
	ЗН	23.4	24.2	23.7	24.4	24.7	22.7	23.5	23.1	23.8	24.	
	4H	23.8	24.5	24.1	24.8	25.1	22.8	23.5	23.1	23.8	24.2	
	6H	24.1	24.8	24.5	25.1	25.4	22.8	23.5	23.2	23.8	24.2	
	BH	24.2	24.8	24.6	25.2	25.5	22.8	23.5	23.2	23.8	24.2	
	12H	24.2	24.9	24.6	25.2	25.6	22.8	23.4	23.2	23.8	24.	
4H	2H	22.8	23.5	23.1	23.8	24.2	23.8	24.5	24.1	24.8	25.	
	ЗH	23.9	24.5	24.3	24.9	25.2	24.2	24.9	24.6	25.2	25.0	
	4H	24.4	25.0	24.9	25.4	25.8	24.4	25.0	24.9	25.4	25.8	
	6H	24.9	25.4	25.3	25.8	26.2	24.6	25.1	25.0	25.5	25.9	
	BH	25.0	25.5	25.5	25.9	26.3	24.6	25.1	25.1	25.5	25.9	
	12H	25.1	25.5	25.5	25.9	26.4	24.6	25.0	25.1	25.5	25.9	
вн	4H	24.6	25.1	25.1	25.5	25.9	25.0	25.5	25.5	25.9	26.3	
	6H	25.2	25.6	25.7	26.0	26.5	25.3	25.7	25.8	26.1	26.0	
	BH	25.4	25.7	25.9	26.2	26.7	25.4	25.7	25.9	26.2	26.	
	12H	25.5	25.8	26.0	26.3	26.8	25.4	25.7	25.9	26.2	26.	
12H	4H	24.6	25.0	25.1	25.5	25.9	25.1	25.5	25.5	25.9	26.	
	6H	25.2	25.5	25.7	26.0	26.5	25.4	25.7	25.9	26.2	26.	
	8H	25.4	25.7	25.9	26.2	26.7	25.5	25.8	26.0	26.3	26.8	
Varia	tions wi	th the ot	oserverp	osition	at spacin	ig:						
S =	1.0H		0	.9 / -0	6	0.9 / -0.6						
	1.5H		1	.0- / 8.	9	1.8 / -0.9						