Design iGuzzini

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Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR<19

Product code

N221

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version without rim for mounting flush with ceiling. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α >65° wide flood optic.

Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

ø 123



Dimension (mm)

Ø123x111

Colour

Aluminium (12)

Weight (Kg)

1.08

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



















Product configuration: N221

Product characteristics

Total lighting output [Lm]: 2429 Total power [W]: 24.7 Luminous efficacy [Lm/W]: 98.3

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.) [%]: 81 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 22 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 64°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 2.7 Colour temperature [K]: 3000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

Polar

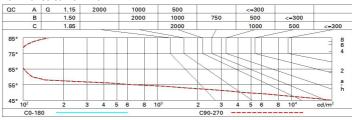
	CIE	Lux			
90° 180° 90°	nL 0.81 96-100-100-100-81	h	d	Em	Emax
	UGR 19.4-19.4 DIN A.61 UTE	2	2.5	460	602
	0.81A+0.00T F"1=961	4	5	115	151
2500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	7.5	51	67
	LG3 L<200 cd/m ² at 65°	8	10	29	38



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

Luminance curve limit



UGR diagram

Corre	ected UC	ik values	at 3000) im bar	e lamp lu	en our un	flux)					
Rifle	ct.:											
ceil/cav walls work pl. Room dim x y		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 0.20	0.30	0.30	0.50 0.20	0.30	0.50	0.30	0.30	
		0.20	0.20					0.20				
		viewed					viewed					
		crosswise					endwise					
2H	2H	20.0	20.6	20.3	20.8	21.1	20.0	20.6	20.3	20.8	21.	
	ЗН	19.9	20.4	20.2	20.7	20.9	19.9	20.4	20.2	20.7	20.	
	4H	19.8	20.3	20.1	20.6	20.9	19.8	20.3	20.1	20.6	20.	
	бН	19.7	20.2	20.1	20.5	20.8	19.7	20.2	20.1	20.5	20.	
	HS	19.7	20.1	20.0	20.4	20.8	19.7	20.1	20.0	20.4	20.	
	12H	19.6	20.1	20.0	20.4	20.8	19.6	20.1	20.0	20.4	20.	
4H	2H	19.8	20.3	20.1	20.6	20.9	19.8	20.3	20.1	20.6	20.	
	ЗН	19.6	20.1	20.0	20.4	20.8	19.6	20.1	20.0	20.4	20.	
	4H	19.6	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	20.	
	бН	19.5	19.8	19.9	20.2	20.6	19.5	19.8	19.9	20.2	20.	
	HS	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.	
	12H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.8	20.1	20.	
8H	4H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.	
	6H	19.3	19.6	19.8	20.0	20.5	19.3	19.6	19.8	20.0	20.	
	HS	19.3	19.5	19.8	19.9	20.4	19.3	19.5	19.8	19.9	20.	
	12H	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.	
12H	4H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.8	20.1	20.	
	бН	19.3	19.5	19.8	19.9	20.4	19.3	19.5	19.8	19.9	20.	
	HS	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.	
		th the ob	serverp	osition	at spacin	ıg:						
S =	1.0H	4.7 / -26.2					4.7 / -26.2					
	1.5H 2.0H	7.5 / -31.2					7.5 / -31.2					