Design iGuzzini

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

Product code

N220

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° 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: N220

Product characteristics

Total lighting output [Lm]: 2635.2 Total power [W]: 24.7 Luminous efficacy [Lm/W]: 106.7

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.) [%]: 88 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 22 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 24°

Number of lamps for optical assembly: 1

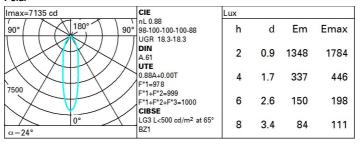
Socket: /

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

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

Polar

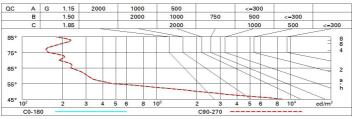




Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	79	74	71	69	74	71	70	68	77
1.0	82	78	76	73	77	75	75	72	82
1.5	86	84	81	79	83	81	80	77	88
2.0	89	87	85	84	86	84	83	81	92
2.5	91	89	88	87	88	87	86	84	95
3.0	92	91	90	89	89	89	88	85	97
4.0	93	92	92	91	91	90	89	87	99
5.0	94	93	93	92	92	91	90	88	100

Luminance curve limit



UGR diagram

Rifled	et ·										
ceil/cav walls work pl. Room dim		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
		x	У		C	crosswis	e	endwise			
2H	2H	18.9	19.5	19.2	19.8	20.0	18.9	19.5	19.2	19.8	20.0
	ЗН	18.7	19.3	19.1	19.6	19.9	18.7	19.3	19.1	19.6	19.9
	4H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.0	19.5	19.8
	бН	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	8H	18.6	19.0	18.9	19.4	19.7	18.6	19.0	18.9	19.4	19.7
	12H	18.5	19.0	18.9	19.3	19.7	18.5	19.0	18.9	19.3	19.7
4H	2H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.0	19.5	19.8
	ЗН	18.5	19.0	18.9	19.3	19.7	18.5	19.0	18.9	19.3	19.7
	4H	18.4	18.8	18.8	19.2	19.6	18.4	18.8	18.8	19.2	19.6
	бН	18.3	18.7	18.8	19.1	19.5	18.3	18.7	18.8	19.1	19.5
	HS	18.3	18.6	18.7	19.0	19.5	18.3	18.6	18.7	19.0	19.5
	12H	18.2	18.5	18.7	19.0	19.4	18.2	18.5	18.7	19.0	19.4
ВН	4H	18.3	18.6	18.7	19.0	19.5	18.3	18.6	18.7	19.0	19.5
	6H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	HS	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	12H	18.1	18.3	18.6	18.8	19.3	18.1	18.3	18.6	18.8	19.3
12H	4H	18.2	18.5	18.7	19.0	19.4	18.2	18.5	18.7	19.0	19.4
	бН	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	H8	18.1	18.3	18.6	18.8	19.3	18.1	18.3	18.6	18.8	19.3
Varia	tions wi	th the ob	serverp	osition a	at spacin	g:					
S =	1.0H	4.4 / -24.6					4.4 / -24.6				
	1.5H	7.2 / -25.8					7.2 / -25.8				
	2.0H	9.2 / -26.2					9.2 / -26.2				