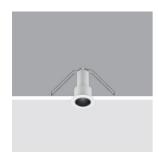
Laser

Design iGuzzini

iGuzzini

Last information update: June 2018



ø 25

Fixed round mini-recessed luminaire - LED - medium

Product code

P310

Technical description

Fixed round mini-recessed luminaire with contact frame. The LED is set back to minimize direct glare. The recessed body is made of machined aluminium and the inside of the ring of thermoplastic available in a range of painted and metallised finishes. PMMA medium (25°) high resolution optic lens. High color rendering index 2700K LED. Tool free assembly. Power unit available with a separate code no.

Installation

Recessed in a false ceiling by means of a steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 25 mm.

Dimension (mm)

Ø31x58

Colour

White (01) | Black/Black (43) | Black/White (47)

Weight (Kg)

0.03

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts are available with a separate code no.: ON-OFF / 1-10V dimmable / DALI dimmable / Trailing Edge dimmable

Notes

The 25° optic is not available for the finishes: E4 (white - chrome) - 41 (white - gold) - E9 (white - satin finish gold) - E7 (white burnished chrome)







On the visible part of the product once installed











Product configuration: P310.01

Product characteristics

Total lighting output [Lm]: 101 Total power [W]: 2

Luminous efficacy [Lm/W]: 50.3

Life Time: 50,000h - L80 - B10 (Ta 25°C)

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

Complies with EN60598-1 and pertinent regulations

Emergency luminous flux [Lm]: /

Voltage [V]:

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 67

Lamp code: LED ZVEI Code: LED

Nominal power [W]: 2 Nominal luminous [Lm]: 150

Beam angle [°]: 24°

Lamp maximum intensity [cd]: /

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 0 Colour temperature [K]: 2700

CRI: 90

Wavelength [Nm]: / MacAdam Step: 3



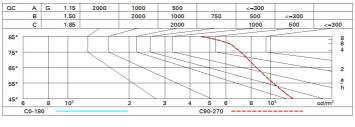
Polar

Imax=540 cd	CIE	Lux			
90° 180° 90°		h	d	Em	Emax
	UGR 14.8-14.4 DIN A.61 UTE	1	0.4	428	540
	0.67A+0.00T F"1=956	2	0.9	107	135
600	F"1+F"2=985 F"1+F"2+F"3=997	3	1.3	48	60
α=24°		4	1.7	27	34

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	59	56	53	52	55	53	53	50	75
1.0	62	59	57	55	58	56	56	54	80
1.5	65	63	61	60	62	61	60	58	86
2.0	68	66	64	63	65	64	63	61	91
2.5	69	68	67	66	67	66	65	63	94
3.0	70	69	68	67	68	67	66	64	96
4.0	71	70	70	69	69	68	67	66	98
5.0	71	71	70	70	70	69	68	66	99

Luminance curve limit



UGR diagram

Riflect.: ceil/cav walls work pl. Room dim												
		0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
					0.30	0.30		0.30	0.50	0.30	0.30	
					0.20	0.20	0.20	0.20	0.20	0.20	0.20	
		viewed					viewed					
X	У		(crosswis	е		endwise					
2H	2H	12.1	14.2	12.5	14.5	14.8	12.1	14.2	12.5	14.5	14.8	
	ЗН	13.3	14.8	13.7	15.1	15.4	12.5	14.0	12.9	14.4	14.7	
	4H	13.8	15.0	14.1	15.3	15.6	12.7	13.9	13.1	14.2	14.5	
	бН	14.2	15.0	14.5	15.4	15.7	12.8	13.6	13.2	14.0	14.3	
	нв	14.3	15.1	14.6	15.5	15.8	12.8	13.6	13.1	14.0	14.3	
	12H	14.3	15.2	14.7	15.5	15.9	12.7	13.6	13.1	13.9	14.3	
4H	2H	12.7	13.9	13.1	14.2	14.5	13.8	15.0	14.1	15.3	15.0	
	ЗН	14.0	14.9	14.4	15.3	15.6	14.4	15.2	14.8	15.6	16.0	
	4H	14.6	15.5	15.0	15.8	16.2	14.6	15.5	15.0	15.8	16.2	
	бН	14.7	16.4	15.2	16.8	17.3	14.4	16.1	14.9	16.5	17.0	
	HS	14.8	16.6	15.3	17.1	17.6	14.4	16.2	14.9	16.7	17.2	
	12H	14.8	16.7	15.3	17.2	17.7	14.3	16.2	14.8	16.7	17.2	
вн	4H	14.4	16.2	14.9	16.7	17.2	14.8	16.6	15.3	17.1	17.0	
	бН	14.9	16.7	15.5	17.1	17.7	15.0	16.8	15.5	17.2	17.	
	нв	15.2	16.7	15.7	17.2	17.7	15.2	16.7	15.7	17.2	17.	
	12H	15.4	16.5	16.0	17.0	17.6	15.4	16.5	15.9	17.0	17.5	
12H	4H	14.3	16.2	14.8	16.7	17.2	14.8	16.7	15.3	17.2	17.	
	бН	15.0	16.5	15.5	17.0	17.5	15.2	16.7	15.7	17.2	17.	
	HS	15.4	16.5	15.9	17.0	17.5	15.4	16.5	16.0	17.0	17.6	
Varia	tions wi	th the ob	server p	noitieo	at spacin	ıg:						
S =	1.0H	0.2 / -0.2					0.2 / -0.2					
	1.5H	0.3 / -0.6					0.3 / -0.6					
	2.0H	0.6 / -0.9						0	.6 / -0.	9		