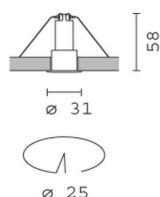
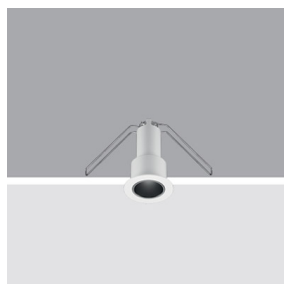


Last information update: June 2018

**Fixed round mini-recessed luminaire - LED - medium****Product code**

P308

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. LED 4000K. 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)

Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of the product once installed

**Product configuration: P308.01****Product characteristics**

Total lighting output [Lm]: 141

Total power [W]: 2

Luminous efficacy [Lm/W]: 70.4

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.) [%]: 67

Lamp code: LED

ZVEI Code: LED

Nominal power [W]: 2

Nominal luminous [Lm]: 210

Lamp maximum intensity [cd]: /

Beam angle [°]: 24°

Number of lamps for optical assembly: 1

Socket: /

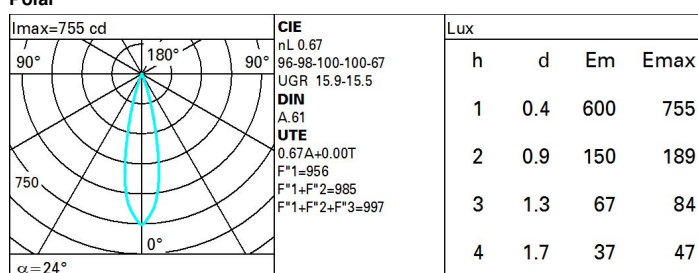
Ballast losses [W]: 0

Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: /

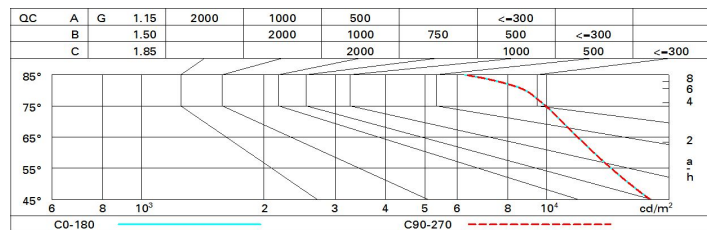
MacAdam Step: 3

Polar

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

Corrected UGR values (at 210 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/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		x					y				
2H	2H	13.3	15.3	13.7	15.7	16.0	13.3	15.3	13.7	15.7	16.0
	3H	14.4	16.0	14.8	16.3	16.6	13.7	15.2	14.1	15.5	15.9
	4H	14.9	16.1	15.3	16.5	16.8	13.9	15.1	14.2	15.4	15.7
	6H	15.3	16.2	15.7	16.5	16.9	13.9	14.8	14.3	15.1	15.5
	8H	15.4	16.3	15.8	16.6	17.0	13.9	14.8	14.3	15.1	15.5
	12H	15.5	16.3	15.9	16.7	17.1	13.9	14.8	14.3	15.1	15.5
4H	2H	13.9	15.1	14.2	15.4	15.7	14.9	16.1	15.3	16.5	16.8
	3H	15.2	16.1	15.6	16.4	16.8	15.5	16.4	15.9	16.8	17.1
	4H	15.7	16.6	16.2	17.0	17.4	15.7	16.6	16.2	17.0	17.4
	6H	15.9	17.5	16.4	18.0	18.4	15.6	17.2	16.1	17.7	18.2
	8H	15.9	17.8	16.4	18.3	18.7	15.5	17.4	16.0	17.9	18.4
	12H	15.9	17.9	16.5	18.3	18.9	15.5	17.4	16.0	17.9	18.4
8H	4H	15.5	17.4	16.0	17.9	18.4	15.9	17.8	16.4	18.3	18.7
	6H	16.1	17.8	16.6	18.3	18.8	16.2	17.9	16.7	18.4	18.9
	8H	16.4	17.8	16.9	18.3	18.9	16.4	17.8	16.9	18.3	18.9
	12H	16.6	17.7	17.1	18.2	18.7	16.5	17.6	17.1	18.1	18.7
12H	4H	15.5	17.4	16.0	17.9	18.4	15.9	17.9	16.5	18.3	18.9
	6H	16.2	17.7	16.7	18.2	18.7	16.3	17.8	16.9	18.3	18.9
	8H	16.5	17.6	17.1	18.1	18.7	16.6	17.7	17.1	18.2	18.7
Variations with the observer position at spacing:											
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				