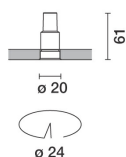


Last information update: June 2018

**Fixed round mini-recessed luminaire - Minimal - LED - spot****Product code**

P311

Technical description

Fixed round mini-recessed luminaire installed flush with ceiling (frameless). 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 - spot (16°) high resolution optic lens. LED 4000K. Power unit available with a separate code no.

Installation

For flush with ceiling installation, an adapter is fitted according to the thickness of the false ceiling (12.5 to 25 mm). The following filling and finishing operations are simplified by a special protection template, and the luminaire is recessed in the adapter and secured mechanically (the inside of the false ceiling must be inspected first).

Dimension (mm)

Ø20x61

Colour

White (01) | Black (04) | Chrome (10) | Brass (14) | (E6) | (E8)

Weight (Kg)

0.04

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

Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of the product once installed

**Product configuration: P311.01****Product characteristics**

Total lighting output [Lm]: 134

Total power [W]: 2

Luminous efficacy [Lm/W]: 67.2

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.) [%]: 64

Lamp code: LED

ZVEI Code: LED

Nominal power [W]: 2

Nominal luminous [Lm]: 210

Lamp maximum intensity [cd]: /

Beam angle [°]: 14°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 0

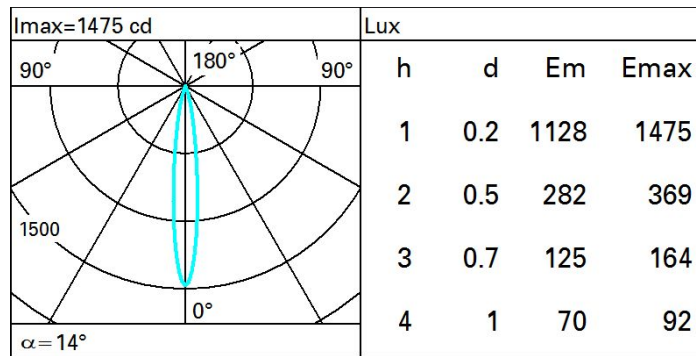
Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: /

MacAdam Step: 3

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	57	53	51	49	53	51	50	48	75
1.0	59	56	54	52	56	54	53	51	80
1.5	62	60	58	57	59	58	57	55	86
2.0	65	63	62	60	62	61	60	58	91
2.5	66	65	64	63	64	63	62	60	94
3.0	67	66	65	64	65	64	63	62	96
4.0	68	67	66	66	66	65	64	63	98
5.0	68	68	67	67	66	66	65	63	99

Luminance curve limit

