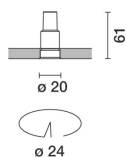
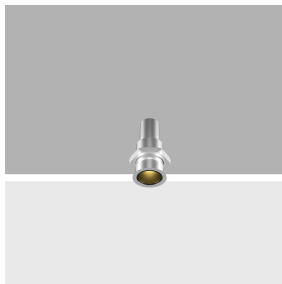


Last information update: November 2024

**Product configuration: P311.10**

P311.10: Fixed round mini-recessed luminaire - Minimal - LED - spot - Chrome

**Product code**

P311.10: Fixed round mini-recessed luminaire - Minimal - LED - spot - Chrome

**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).

**Colour**

Chrome (10)\*

**Weight (Kg)**

0.04

\* Colours on request

**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

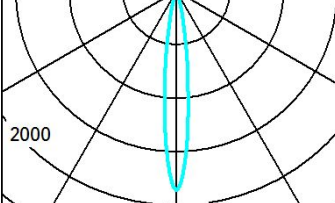
IP43

On the visible part of the product once installed

**Technical data**

lm system:	153	CRI (minimum):	80
W system:	2	Colour temperature [K]:	4000
lm source:	250	MacAdam Step:	2
W source:	2	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	76.3	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	61	Number of optical assemblies:	1
Beam angle [°]:	14°	LED current [mA]:	700

**Polar**

Imax=1862 cd		Lux				
90°	180°	90°	h	d	Em	Emax
		2	0.5	352	466	
		4	0.9	88	116	
		6	1.4	39	52	
		8	1.9	22	29	
		$\alpha = 13^\circ$				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	52	50	49	52	50	50	48	78
1.0	58	55	53	52	54	53	52	51	83
1.5	60	58	57	56	58	56	56	54	89
2.0	62	61	60	59	60	59	58	57	93
2.5	63	62	61	61	61	61	60	58	96
3.0	64	63	63	62	62	62	61	60	98
4.0	65	64	64	64	63	63	62	61	99
5.0	65	65	65	64	64	64	63	61	100

Luminance curve limit

