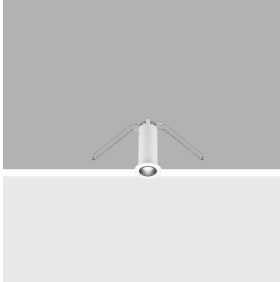


Last information update: November 2024

Product configuration: R660.E4

R660.E4: Fixed round mini-recessed luminaire - LED - spot - White / Chrome

**Product code**

R660.E4: Fixed round mini-recessed luminaire - LED - spot - White / Chrome

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 - spot 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 17 mm.

Colour

White / Chrome (E4)*

Weight (Kg)

0.03

* 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

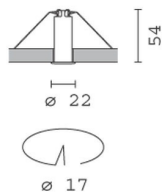
Complies with EN60598-1 and pertinent regulations



IP20

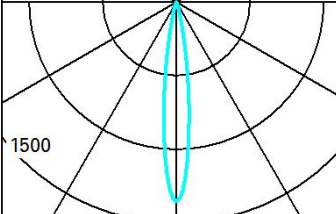
IP43

On the visible part of the product once installed

**Technical data**

lm system:	110	CRI (minimum):	90
W system:	1.4	Colour temperature [K]:	4000
lm source:	180	MacAdam Step:	2
W source:	1.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	78.4	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]:	500

Polar

Imax=1355 cd		Lux				
90°	180°	90°	h	d	Em	Emax
			1	0.3	1060	1355
			2	0.5	265	339
			3	0.8	118	151
			4	1	66	85
$\alpha = 14^\circ$						

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	57	55	53	52	54	53	52	50	83
1.5	60	58	57	56	58	56	56	54	88
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	63	63	63	62	61	99
5.0	65	65	64	64	64	64	63	61	100

Luminance curve limit

