

Last information update: April 2025

Product configuration: RA12.E4

RA12.E4: Fixed round recessed luminaire - LED - flood - 17W 2091.5lm - 4000K - CRI 90 - White / Chrome

**Product code**

RA12.E4: Fixed round recessed luminaire - LED - flood - 17W 2091.5lm - 4000K - CRI 90 - White / Chrome

Technical description

Round recessed luminaire with contact frame. Fixed version. The LED is set back to minimize glare. The main body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - flood optic. Structure with die-cast aluminium external contact frame with a single white finish. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass included Quick and easy tool free assembly. High color rendering index 4000K LED. Power unit available with a separate code no.

Installation

Recessed in a false ceiling by means of an anti-fall steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 96 mm.

Colour

White / Chrome (E4)*

Weight (Kg)

0.37

* 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 - the recessed fitting includes a cable and a quick-coupling connector to connect it to the connector on the ballast.

Notes

A wide range of decorative accessories and diffusers is available.

Complies with EN60598-1 and pertinent regulations



IP20

IP44

On the visible part of the product once installed

**Technical data**

lm system:	2092	CRI (minimum):	90
W system:	17	Colour temperature [K]:	4000
lm source:	2350	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	123	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.) [%]:	89	Number of optical assemblies:	1
Beam angle [°]:	31°	LED current [mA]:	500

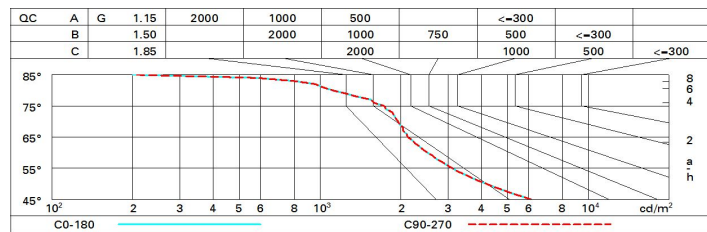
Polar

	CIE nL 0.89 99-100-100-100-89 UGR <10-10 DIN A.61 UTE 0.89A+0.00T F*1=992 F*1+F*2=998 F*1+F*2+F*3=1000 CIBSE LG3 L<3000 cd/m² at 65° UGR<10 L<3000 cd/mq @65°			
	h	d	Em	E _{max}
	2	1.1	1399	1793
	4	2.2	350	448
	6	3.3	155	199
α=31°	8	4.4	87	112

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	80	76	73	71	75	73	72	69	78
1.0	84	80	77	75	79	77	76	73	82
1.5	88	85	83	81	84	82	81	79	88
2.0	91	89	87	85	87	86	85	82	93
2.5	92	91	90	88	89	88	87	85	95
3.0	93	92	91	91	91	90	89	87	98
4.0	95	94	93	93	92	92	90	88	99
5.0	95	95	94	94	93	93	91	89	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2350 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	7.1	7.6	7.3	7.8	8.1	7.1	7.6	7.3	7.8	8.1
	3H	7.2	7.7	7.5	7.9	8.2	7.0	7.5	7.4	7.8	8.1
	4H	7.2	7.7	7.6	8.0	8.3	7.0	7.5	7.3	7.7	8.0
	6H	7.2	7.6	7.6	8.0	8.3	7.0	7.4	7.3	7.7	8.0
	8H	7.2	7.6	7.6	7.9	8.3	6.9	7.3	7.3	7.6	8.0
	12H	7.2	7.6	7.6	7.9	8.2	6.9	7.3	7.3	7.6	8.0
4H	2H	7.0	7.5	7.3	7.7	8.0	7.2	7.7	7.6	8.0	8.3
	3H	7.2	7.6	7.6	7.9	8.3	7.3	7.7	7.7	8.0	8.3
	4H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	6H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	8H	7.3	7.6	7.7	8.0	8.4	7.3	7.5	7.7	7.9	8.4
	12H	7.3	7.5	7.7	7.9	8.4	7.2	7.5	7.7	7.9	8.3
8H	4H	7.3	7.5	7.7	7.9	8.4	7.3	7.6	7.7	8.0	8.4
	6H	7.3	7.5	7.8	8.0	8.4	7.3	7.5	7.8	8.0	8.5
	8H	7.3	7.5	7.8	7.9	8.4	7.3	7.5	7.8	7.9	8.4
	12H	7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4
12H	4H	7.2	7.5	7.7	7.9	8.3	7.3	7.5	7.7	7.9	8.4
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.8	7.9	8.4
	8H	7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4
Variations with the observer position at spacing:											
S =	1.0H	4.6 / -3.3					4.6 / -3.3				
	1.5H	7.2 / -4.1					7.2 / -4.1				
	2.0H	9.1 / -4.5					9.1 / -4.5				