

Last information update: April 2025

Product configuration: RA02.47

RA02.47: Fixed round recessed luminaire - LED - medium - 17W 1718.1lm - 2700K - CRI 90 - Black / White

**Product code**

RA02.47: Fixed round recessed luminaire - LED - medium - 17W 1718.1lm - 2700K - CRI 90 - Black / White

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 - medium 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 2700K 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

Black / White (47)

Weight (Kg)

0.37

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

UK
CA**Technical data**

Im system:	1718	CRI (minimum):	90
W system:	17	Colour temperature [K]:	2700
Im source:	2070	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, 101.1 real value):		Lamp code:	LED
Im 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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	17°	LED current [mA]:	500

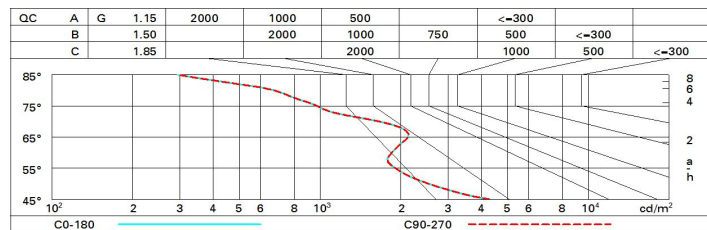
Polar

Imax=10076 cd		CIE		Lux			
90°	180°	nL 0.83	99-100-100-100-83	h	d	Em	Emax
		UGR <10-10	DIN A.61	2	0.6	1976	2519
		UTE 0.83A+0.00T	F*1=992	4	1.2	494	630
		F*1+F*2=998	F*1+F*2+F*3=1000	6	1.8	220	280
		CIBSE LG3 L<3000 cd/m² at 65°	UGR<10 L<3000 cd/mq @65°	8	2.4	123	157
α=17°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	67	65	78
1.0	78	75	72	70	74	71	71	68	82
1.5	82	79	77	76	78	77	76	73	88
2.0	85	83	81	80	81	80	79	77	93
2.5	86	85	84	83	83	82	82	79	96
3.0	87	86	85	84	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	87	87	86	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2070 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	5.9	8.0	6.2	8.3	8.6	5.9	8.0	6.2	8.3	8.6
	3H	6.1	7.7	6.4	8.0	8.3	5.8	7.4	6.2	7.8	8.1
	4H	6.1	7.4	6.4	7.7	8.1	5.8	7.2	6.2	7.5	7.8
	6H	6.1	7.1	6.4	7.4	7.8	5.8	6.8	6.2	7.2	7.5
	8H	6.0	7.1	6.4	7.4	7.8	5.8	6.8	6.2	7.2	7.5
	12H	6.0	7.0	6.4	7.4	7.8	5.7	6.8	6.1	7.1	7.5
4H	2H	5.8	7.2	6.2	7.5	7.8	6.1	7.4	6.4	7.7	8.1
	3H	6.1	7.2	6.5	7.5	7.9	6.1	7.2	6.5	7.5	7.9
	4H	6.1	7.1	6.5	7.5	7.9	6.1	7.1	6.5	7.5	7.9
	6H	5.8	7.5	6.3	7.9	8.4	5.8	7.5	6.3	7.9	8.4
	8H	5.7	7.6	6.2	8.0	8.5	5.7	7.5	6.2	8.0	8.5
	12H	5.6	7.5	6.1	8.0	8.5	5.6	7.5	6.1	8.0	8.5
8H	4H	5.7	7.5	6.2	8.0	8.5	5.7	7.6	6.2	8.0	8.5
	6H	5.6	7.4	6.1	7.9	8.4	5.6	7.4	6.1	7.9	8.4
	8H	5.6	7.2	6.2	7.7	8.2	5.6	7.2	6.2	7.7	8.2
	12H	5.8	6.8	6.3	7.3	7.8	5.8	6.8	6.3	7.3	7.8
12H	4H	5.6	7.5	6.1	8.0	8.5	5.6	7.5	6.1	8.0	8.5
	6H	5.6	7.2	6.1	7.7	8.2	5.6	7.2	6.1	7.7	8.2
	8H	5.8	6.8	6.3	7.3	7.8	5.8	6.8	6.3	7.3	7.8
Variations with the observer position at spacing:											
S =	1.0H	4.5 / -3.9					4.5 / -3.9				
	1.5H	7.2 / -4.3					7.2 / -4.3				
	2.0H	9.1 / -4.4					9.1 / -4.4				