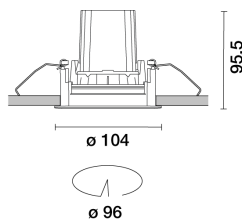


Last information update: June 2025

Product configuration: RA46.47

RA46.47: Adjustable round recessed luminaire - LED - Wideflood - Super Comfort - 10W 1161.6lm - 3000K - CRI 90 - Black / White

**Product code**

RA46.47: Adjustable round recessed luminaire - LED - Wideflood - Super Comfort - 10W 1161.6lm - 3000K - CRI 90 - Black / White

Technical description

Round recessed luminaire with contact frame. Adjustable version that rotates internally by 355° and tilts by a maximum of 30°. The swivel unit rotates in a set back position in relation to the surface of the ceiling in order to guarantee precise, comfortable light diffusion and reduce direct glare significantly. The swivel unit body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wideflood optic. Structure with die-cast aluminium external contact frame with a single white finish. Steel rotating parts. The rings inside the recessed body and the swivel unit are 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 3000K 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)

0.28

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 also available.

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed

**Technical data**

lm system:	1148	CRI (minimum):	90
W system:	10	Colour temperature [K]:	3000
lm source:	1320	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	114.8	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.) [%]:	87	Number of optical assemblies:	1
Beam angle [°]:	45°	LED current [mA]:	300

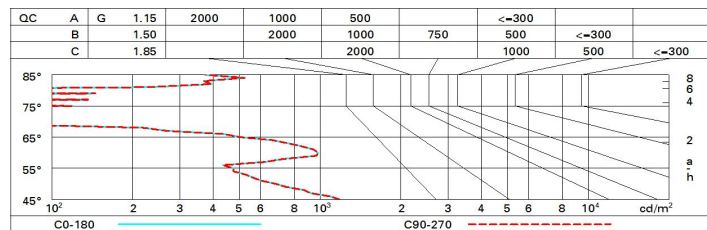
Polar

Imax=2226 cd		CIE		Lux			
90°	180°	nL 0.87		h	d	Em	E _{max}
		100-100-100-100-87					
		UGR <10-10					
		DIN		2	1.7	455	529
		A.61		4	3.4	114	132
		UTE		6	5	51	59
		0.87A+0.00T		8	6.7	28	33
		F*1=999					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<1500 cd/m² at 65°					
		UGR<10 L<1500 cd/mq @ 65°					
α = 45°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	79	75	72	70	74	71	71	68	78
1.0	82	78	76	74	78	75	75	72	83
1.5	86	83	81	79	82	80	80	77	89
2.0	89	87	85	84	86	84	83	81	93
2.5	90	89	88	87	88	87	86	83	96
3.0	91	90	90	89	89	88	87	85	98
4.0	92	92	91	91	90	90	89	86	99
5.0	93	93	92	92	91	91	89	87	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1320 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	5.3	5.9	5.6	6.1	6.3	5.3	5.9	5.6	6.1	6.3
	3H	5.2	5.7	5.5	5.9	6.2	5.2	5.7	5.5	5.9	6.2
	4H	5.1	5.6	5.4	5.9	6.2	5.1	5.6	5.4	5.9	6.2
	6H	5.0	5.5	5.4	5.8	6.1	5.0	5.5	5.4	5.8	6.1
	8H	5.0	5.4	5.3	5.7	6.1	5.0	5.4	5.3	5.7	6.1
	12H	4.9	5.4	5.3	5.7	6.0	4.9	5.4	5.3	5.7	6.0
4H	2H	5.1	5.6	5.4	5.9	6.2	5.1	5.6	5.4	5.9	6.2
	3H	5.0	5.4	5.3	5.7	6.0	4.9	5.4	5.3	5.7	6.0
	4H	4.9	5.2	5.3	5.6	6.0	4.9	5.2	5.3	5.6	6.0
	6H	4.8	5.1	5.2	5.5	5.9	4.8	5.1	5.2	5.5	5.9
	8H	4.7	5.0	5.2	5.4	5.9	4.7	5.0	5.2	5.4	5.9
	12H	4.7	5.0	5.1	5.4	5.8	4.7	4.9	5.1	5.4	5.8
8H	4H	4.7	5.0	5.2	5.4	5.9	4.7	5.0	5.2	5.4	5.9
	6H	4.6	4.9	5.1	5.3	5.8	4.6	4.9	5.1	5.3	5.8
	8H	4.6	4.8	5.1	5.3	5.8	4.6	4.8	5.1	5.3	5.8
	12H	4.6	4.7	5.1	5.2	5.7	4.5	4.7	5.0	5.2	5.7
12H	4H	4.7	4.9	5.1	5.4	5.8	4.7	5.0	5.1	5.4	5.8
	6H	4.6	4.8	5.1	5.3	5.7	4.6	4.8	5.1	5.3	5.8
	8H	4.5	4.7	5.0	5.2	5.7	4.6	4.7	5.1	5.2	5.7
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -13.1					6.9 / -13.1				
	1.5H	9.7 / -12.8					9.7 / -12.8				
	2.0H	11.7 / -15.1					11.7 / -15.1				