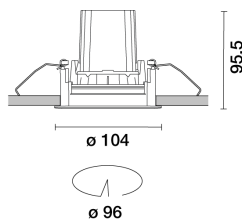


Last information update: June 2025

**Product configuration: RA50.01**

RA50.01: Adjustable round recessed luminaire - LED - Medium - Super Comfort - 10W 1207lm - 4000K - CRI 90 - White

**Product code**

RA50.01: Adjustable round recessed luminaire - LED - Medium - Super Comfort - 10W 1207lm - 4000K - CRI 90 - 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 - medium 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 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 (01)

**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**

Im system:	1207	CRI (minimum):	90
W system:	10	Colour temperature [K]:	4000
Im source:	1420	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	120.7	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.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	17° / 18°	LED current [mA]:	300

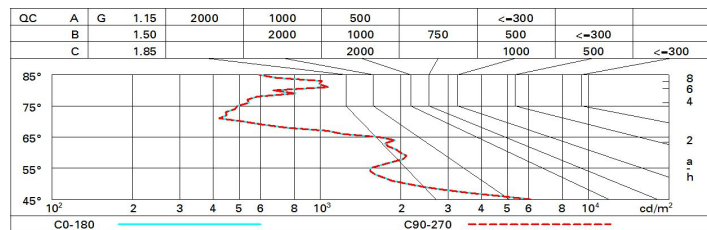
**Polar**

Imax=7248 cd		CIE		Lux			
h	d	Em	E <sub>max</sub>				
2	0.6	1430	1812				
4	1.2	358	453				
6	1.8	159	201				
8	2.4	89	113				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	69	69	66	78
1.0	80	76	74	72	76	73	73	70	83
1.5	84	81	79	77	80	78	78	75	88
2.0	87	85	83	82	83	82	81	79	93
2.5	88	87	86	85	86	84	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	88	88	88	86	84	99
5.0	91	90	90	90	89	89	87	85	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1420 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	5.7	7.8	6.1	8.1	8.5	5.7	7.8	6.1	8.1	8.5
	3H	5.6	7.2	6.0	7.5	7.9	5.6	7.2	6.0	7.5	7.9
	4H	5.6	6.9	5.9	7.2	7.6	5.6	6.9	5.9	7.2	7.6
	6H	5.5	6.6	5.9	6.9	7.3	5.5	6.6	5.9	6.9	7.2
	8H	5.5	6.6	5.9	6.9	7.3	5.5	6.5	5.9	6.9	7.2
	12H	5.5	6.5	5.9	6.9	7.3	5.4	6.5	5.8	6.8	7.2
4H	2H	5.6	6.9	5.9	7.2	7.6	5.6	6.9	5.9	7.2	7.6
	3H	5.5	6.5	5.9	6.9	7.3	5.5	6.5	5.9	6.9	7.3
	4H	5.4	6.5	5.8	6.8	7.3	5.4	6.5	5.8	6.8	7.3
	6H	5.1	6.8	5.5	7.2	7.7	5.0	6.8	5.5	7.2	7.7
	8H	5.0	6.9	5.5	7.3	7.8	4.9	6.8	5.4	7.3	7.8
	12H	4.9	6.9	5.4	7.3	7.9	4.8	6.8	5.3	7.3	7.8
8H	4H	4.9	6.8	5.4	7.3	7.8	5.0	6.9	5.5	7.3	7.8
	6H	4.9	6.6	5.4	7.1	7.7	4.9	6.7	5.4	7.2	7.7
	8H	4.9	6.5	5.4	7.0	7.5	4.9	6.5	5.4	7.0	7.5
	12H	5.1	6.1	5.7	6.6	7.1	5.1	6.1	5.6	6.5	7.1
12H	4H	4.8	6.8	5.3	7.3	7.8	4.9	6.9	5.4	7.3	7.9
	6H	4.9	6.4	5.4	6.9	7.5	4.9	6.5	5.4	7.0	7.5
	8H	5.1	6.1	5.6	6.5	7.1	5.1	6.1	5.7	6.6	7.1
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -6.4					5.1 / -6.4				
	1.5H	7.9 / -6.4					7.9 / -6.4				
	2.0H	9.8 / -8.2					9.8 / -8.2				