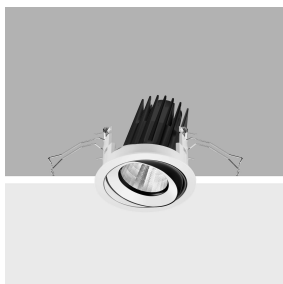


Last information update: May 2025

Product configuration: R696.01

R696.01: Adjustable (tilting) round recessed luminaire - LED - wide flood - White

**Product code**

R696.01: Adjustable (tilting) round recessed luminaire - LED - wide flood - White

Technical description

Round recessed luminaire with contact frame. Adjustable version that tilts by a maximum of 30°. The main swivel body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wide flood optic. Structure with die-cast aluminium external contact frame with a single white finish. Steel rotating parts. The ring inside the swivel body 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 3,000K 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 75 mm.

Colour

White (01)

Weight (Kg)

0.23

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

To reduce the glare caused by the internal wall of the recess when the luminaire has been rotated, a black, snap on accessory ring is available. A wide range of decorative accessories and diffusers is also available.

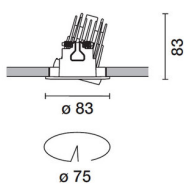
Complies with EN60598-1 and pertinent regulations



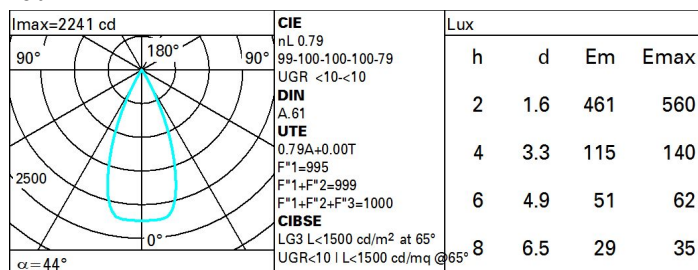
IP20

IP23

On the visible part of the product once installed

**Technical data**

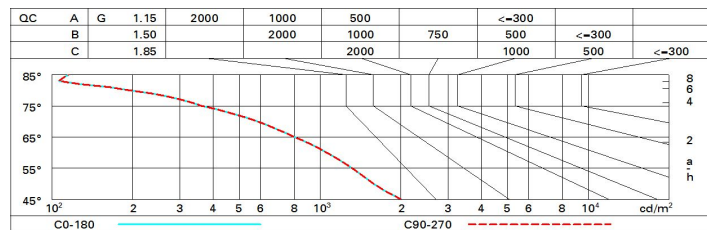
Im system:	1120	CRI (minimum):	90
W system:	10	Colour temperature [K]:	4000
Im source:	1420	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	112	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	44°	LED current [mA]:	300

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	75	74	72	75	73	72	70	88
2.0	80	79	77	76	77	76	75	73	93
2.5	82	81	79	79	79	78	78	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1420 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	0.7	7.3	7.0	7.5	7.8	0.7	7.3	7.0	7.5	7.8
	3H	0.6	7.2	7.0	7.4	7.7	0.6	7.1	6.9	7.4	7.7
	4H	0.6	7.1	6.9	7.4	7.7	0.6	7.0	6.9	7.3	7.6
	6H	0.5	7.0	6.9	7.3	7.6	0.5	6.9	6.8	7.2	7.6
	8H	0.5	6.9	6.8	7.2	7.6	0.5	6.9	6.8	7.2	7.5
	12H	0.4	6.9	6.8	7.2	7.5	0.4	6.8	6.8	7.2	7.5
4H	2H	0.6	7.0	6.9	7.3	7.6	0.6	7.1	6.9	7.4	7.7
	3H	0.5	6.9	6.9	7.2	7.6	0.5	6.9	6.9	7.2	7.6
	4H	0.4	6.8	6.8	7.1	7.5	0.4	6.8	6.8	7.1	7.5
	6H	0.3	6.7	6.8	7.0	7.5	0.3	6.7	6.8	7.0	7.5
	8H	0.3	6.6	6.7	7.0	7.4	0.3	6.6	6.7	7.0	7.4
	12H	0.2	6.5	6.7	6.9	7.4	0.2	6.5	6.7	6.9	7.4
8H	4H	0.3	6.6	6.7	7.0	7.4	0.3	6.6	6.7	7.0	7.4
	6H	0.2	6.4	6.7	6.9	7.4	0.2	6.4	6.7	6.9	7.4
	8H	0.2	6.4	6.6	6.8	7.3	0.2	6.4	6.6	6.8	7.3
	12H	0.1	6.3	6.6	6.8	7.3	0.1	6.3	6.6	6.8	7.3
12H	4H	0.2	6.5	6.7	6.9	7.4	0.2	6.5	6.7	6.9	7.4
	6H	0.2	6.4	6.6	6.8	7.3	0.2	6.4	6.6	6.8	7.3
	8H	0.1	6.3	6.6	6.8	7.3	0.1	6.3	6.6	6.8	7.3
Variations with the observer position at spacing:											
S =	1.0H	6.4 / -7.8					6.4 / -7.8				
	1.5H	9.2 / -9.0					9.2 / -9.0				
	2.0H	11.2 / -10.1					11.2 / -10.1				