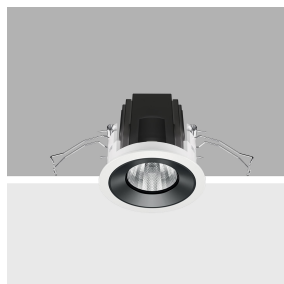


Last information update: May 2025

**Product configuration: R670.47**

R670.47: Fixed round recessed luminaire - LED - wide flood - Black / White

**Product code**

R670.47: Fixed round recessed luminaire - LED - wide flood - 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 - wide 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 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**

Black / White (47)

**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**

A wide range of decorative accessories and diffusers is available.

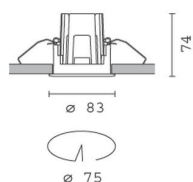
Complies with EN60598-1 and pertinent regulations



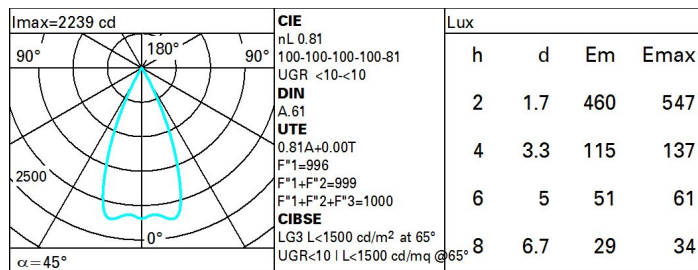
IP20

IP44

On the visible part of the product once installed

**Technical data**

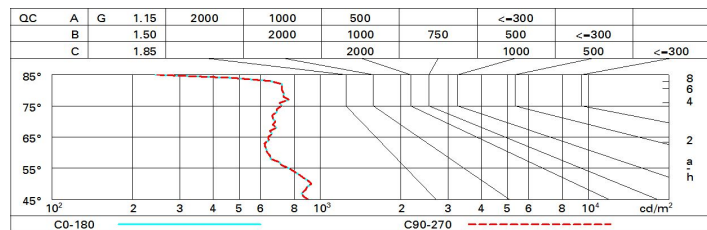
Im system:	1150	CRI (minimum):	90
W system:	10	Colour temperature [K]:	4000
Im source:	1420	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	115	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	46°	LED current [mA]:	300

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	67	65	69	66	66	63	78
1.0	76	73	70	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	88
2.0	83	81	79	78	80	78	77	75	93
2.5	84	83	82	81	82	80	80	77	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	80	99
5.0	87	86	86	85	85	84	83	81	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	2.1	2.7	2.4	2.9	3.1	2.1	2.7	2.4	2.9	3.1
	3H	2.2	2.7	2.5	3.0	3.2	2.0	2.5	2.3	2.8	3.1
	4H	2.3	2.7	2.6	3.0	3.3	2.0	2.5	2.3	2.7	3.0
	6H	2.4	2.8	2.7	3.1	3.5	1.9	2.4	2.3	2.7	3.0
	8H	2.4	2.8	2.8	3.2	3.5	1.9	2.3	2.3	2.7	3.0
	12H	2.4	2.8	2.8	3.2	3.5	1.9	2.3	2.2	2.6	3.0
4H	2H	2.0	2.5	2.3	2.7	3.0	2.3	2.7	2.6	3.0	3.3
	3H	2.2	2.6	2.5	2.9	3.3	2.3	2.7	2.7	3.0	3.4
	4H	2.3	2.7	2.7	3.0	3.4	2.3	2.7	2.7	3.0	3.4
	6H	2.5	2.8	3.0	3.2	3.7	2.3	2.7	2.8	3.1	3.5
	8H	2.6	2.9	3.0	3.3	3.7	2.3	2.6	2.8	3.0	3.5
	12H	2.6	2.9	3.1	3.3	3.8	2.3	2.6	2.8	3.0	3.5
8H	4H	2.3	2.6	2.8	3.0	3.5	2.6	2.9	3.0	3.3	3.7
	6H	2.6	2.9	3.1	3.3	3.8	2.7	3.0	3.2	3.4	3.9
	8H	2.8	3.0	3.2	3.4	3.9	2.8	3.0	3.2	3.4	3.9
	12H	2.8	3.0	3.3	3.4	4.0	2.8	3.0	3.3	3.4	4.0
12H	4H	2.3	2.6	2.8	3.0	3.5	2.6	2.9	3.1	3.3	3.8
	6H	2.6	2.8	3.1	3.3	3.8	2.7	2.9	3.2	3.4	3.9
	8H	2.8	3.0	3.3	3.4	4.0	2.8	3.0	3.3	3.4	4.0
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -3.0					5.3 / -3.0				
	1.5H	8.0 / -3.3					8.0 / -3.3				
	2.0H	9.9 / -3.3					9.9 / -3.3				