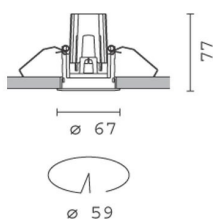
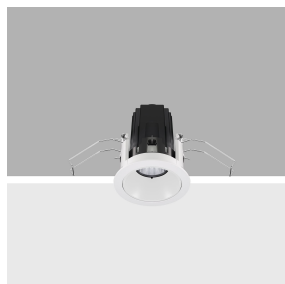


Last information update: May 2025

Product configuration: R666.01

R666.01: Fixed round recessed luminaire - LED - wide flood - Super Comfort - 6.8W 662.2lm - 4000K - CRI 90 - White

**Product code**

R666.01: Fixed round recessed luminaire - LED - wide flood - Super Comfort - 6.8W 662.2lm - 4000K - CRI 90 - White

Technical description

Round recessed luminaire with contact frame. Super Comfort fixed version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. 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 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 59 mm.

Colour
White (01)

Weight (Kg)
0.13

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**

lm system:	662	Rf (Colour Fidelity Index):	90
W system:	6.8	Rg (Gamut Index):	98
lm source:	860	Colour temperature [K]:	4000
W source:	6.8	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	97.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	77	ZVEI Code:	LED
Beam angle [°]:	42°	Number of optical assemblies:	1
CRI (minimum):	90	LED current [mA]:	200

Polar

Imax=1536 cd		CIE		Lux			
90°	180°	nL 0.77	100-100-100-100-77	h	d	Em	Emax
		UGR <10-10	DIN A.61	1	0.8	1208	1536
		UTE 0.77A+0.00T	F*1=1000	2	1.6	302	384
		F*1+F*2=1000	F*1+F*2+F*3=1000	3	2.3	134	171
		CIBSE LG3 L<1500 cd/m² at 65°	UGR<10 L<1500 cd/mq @65°	4	3.1	76	96
α=42°	0°						

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	64	62	65	63	63	60	78
1.0	73	69	67	65	69	67	66	64	83
1.5	76	74	72	70	73	71	71	68	89
2.0	79	77	75	74	76	75	74	72	93
2.5	80	79	78	77	78	77	76	74	96
3.0	81	80	79	79	79	78	77	75	98
4.0	82	81	81	80	80	80	78	77	99
5.0	82	82	81	81	81	80	79	77	100

UGR diagram

Corrected UGR values (at 800 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	5.8	6.3	6.0	6.6	6.8	5.8	6.3	6.0	6.6	6.8
	3H	5.6	6.1	5.9	6.4	6.7	5.6	6.1	5.9	6.4	6.7
	4H	5.6	6.0	5.9	6.3	6.6	5.6	6.0	5.9	6.3	6.6
	6H	5.5	5.9	5.8	6.2	6.6	5.5	5.9	5.8	6.2	6.6
	8H	5.5	5.9	5.8	6.2	6.5	5.5	5.9	5.8	6.2	6.5
	12H	5.4	5.8	5.8	6.1	6.5	5.4	5.8	5.8	6.1	6.5
4H	2H	5.6	6.0	5.9	6.3	6.6	5.6	6.0	5.9	6.3	6.6
	3H	5.4	5.8	5.8	6.1	6.5	5.4	5.8	5.8	6.1	6.5
	4H	5.3	5.7	5.7	6.0	6.4	5.3	5.7	5.7	6.0	6.4
	6H	5.2	5.5	5.7	5.9	6.4	5.2	5.5	5.7	5.9	6.4
	8H	5.2	5.5	5.6	5.9	6.3	5.2	5.5	5.6	5.9	6.3
	12H	5.1	5.4	5.6	5.8	6.3	5.1	5.4	5.6	5.8	6.3
8H	4H	5.2	5.5	5.6	5.9	6.3	5.2	5.5	5.6	5.9	6.3
	6H	5.1	5.3	5.6	5.8	6.2	5.1	5.3	5.6	5.8	6.2
	8H	5.0	5.2	5.5	5.7	6.2	5.0	5.2	5.5	5.7	6.2
	12H	5.0	5.2	5.5	5.6	6.2	5.0	5.2	5.5	5.6	6.2
12H	4H	5.1	5.4	5.6	5.8	6.3	5.1	5.4	5.6	5.8	6.3
	6H	5.0	5.2	5.5	5.7	6.2	5.0	5.2	5.5	5.7	6.2
	8H	5.0	5.2	5.5	5.6	6.2	5.0	5.2	5.5	5.6	6.2
Variations with the observer position at spacing:											
S =		1.0H	4.3 / -19.4				4.3 / -19.4				
		1.5H	5.1 / -18.6				5.1 / -18.6				
		2.0H	5.1 / -18.6				5.1 / -18.6				