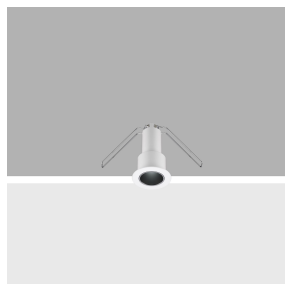


Last information update: November 2024

**Product configuration: R662.47**

R662.47: Fixed round mini-recessed luminaire - LED - medium - Black / White

**Product code**

R662.47: Fixed round mini-recessed luminaire - LED - medium - Black / White

**Technical description**

Fixed round mini-recessed luminaire with contact frame. The LED is set back to minimize direct glare. The recessed body is made of machined aluminium and the inside of the ring of thermoplastic available in a range of painted and metallised finishes. PMMA - medium high resolution optic lens. LED 4000K. Tool free assembly. Power unit available with a separate code no.

**Installation**

Recessed in a false ceiling by means of a steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 25 mm.

**Colour**

Black / White (47)

**Weight (Kg)**

0.03

**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

**Notes**

The 25° optic is not available for the finishes: E4 (white - chrome) - 41 (white - gold) - E9 (white - satin finish gold) - E7 (white - burnished chrome)

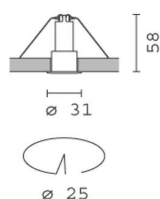
Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of  
the product once installed

**Technical data**

lm system:	140	CRI (minimum):	90
W system:	2	Colour temperature [K]:	4000
lm source:	230	MacAdam Step:	2
W source:	2	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	70.1	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.) [%]:	61	Number of optical assemblies:	1
Beam angle [°]:	22°	LED current [mA]:	700

**Polar**

Imax=989 cd		CIE		Lux			
90°	180°	nL 0.61	100-100-100-100-61	h	d	Em	Emax
		UGR <10-10	DIN	1	0.4	774	989
		A.61	UTE	2	0.8	194	247
		0.61A+0.00T		3	1.1	86	110
		F*1=999		4	1.5	48	62
		F*1+F*2=999					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<3000 cd/m² at 65°					
		UGR<10   L<3000 cd/mq @65°					
α=21°							

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	52	50	49	52	50	50	48	78
1.0	58	55	53	52	54	53	52	51	83
1.5	60	58	57	56	58	56	56	54	89
2.0	62	61	60	59	60	59	58	57	93
2.5	63	62	61	61	61	61	60	58	96
3.0	64	63	63	62	62	62	61	60	98
4.0	65	64	64	64	63	63	62	61	99
5.0	65	65	65	64	64	64	63	61	100

Figure 1 is a graph showing the relationship between luminance (cd/m²) and viewing angle (α) for different surface reflectance (ρ) values. The graph is divided into two regions: C0-180 (left) and C90-270 (right). The y-axis represents luminance in cd/m² on a logarithmic scale from 10² to 10⁴. The x-axis represents the viewing angle α in degrees from 45° to 85°. A red dashed curve represents the luminance distribution for ρ = 1.85. A blue horizontal bar indicates the range of ρ values from 1.15 to 1.85. A red dashed horizontal bar indicates the range of ρ values from 0.75 to 1.00. The graph shows that luminance decreases as the viewing angle increases, and the rate of decrease is more pronounced for higher ρ values.

Corrected UGR values (at 230 lm bare lamp lumino us flux)											
Reflect.:											
ce il/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		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	-12.5	-10.4	-12.2	-10.1	-9.7	-12.5	-10.4	-12.2	-10.1	-9.7
	3H	-9.7	-8.1	-9.3	-7.8	-7.5	-11.9	-10.4	-11.5	-10.0	-9.7
	4H	-7.9	-6.7	-7.5	-6.4	-6.0	-11.5	-10.3	-11.1	-10.0	-9.6
	6H	-5.9	-5.1	-5.6	-4.8	-4.5	-11.1	-10.3	-10.7	-10.0	-9.6
	8H	-4.9	-4.1	-4.6	-3.8	-3.4	-10.9	-10.1	-10.6	-9.8	-9.4
	12H	-3.8	-3.0	-3.4	-2.6	-2.2	-10.9	-10.0	-10.5	-9.7	-9.3
4H	2H	-11.5	-10.3	-11.1	-10.0	-9.6	-7.9	-6.7	-7.5	-6.4	-6.0
	3H	-8.3	-7.4	-7.9	-7.1	-6.7	-6.9	-6.1	-6.5	-5.7	-5.4
	4H	-6.5	-5.5	-6.0	-5.1	-4.7	-6.5	-5.5	-6.0	-5.1	-4.7
	6H	-4.7	-3.0	-4.2	-2.5	-2.1	-6.2	-4.5	-5.7	-4.1	-3.6
	8H	-3.7	-1.8	-3.2	-1.3	-0.8	-6.1	-4.1	-5.6	-3.7	-3.2
	12H	-2.5	-0.5	-2.0	-0.0	0.5	-5.9	-3.9	-5.4	-3.4	-2.9
8H	4H	-6.1	-4.1	-5.6	-3.7	-3.2	-3.7	-1.8	-3.2	-1.3	-0.8
	6H	-3.8	-2.0	-3.2	-1.5	-1.0	-2.9	-1.2	-2.4	-0.7	-0.1
	8H	-2.4	-0.9	-1.9	-0.5	0.1	-2.4	-0.9	-1.9	-0.5	0.1
	12H	-0.8	0.2	-0.3	0.7	1.3	-1.9	-0.8	-1.4	-0.3	0.2
12H	4H	-5.9	-3.9	-5.4	-3.4	-2.9	-2.5	-0.5	-2.0	-0.0	0.5
	6H	-3.4	-1.9	-2.9	-1.4	-0.9	-1.5	-0.0	-1.0	0.5	1.0
	8H	-1.9	-0.8	-1.4	-0.3	0.2	-0.8	0.2	-0.3	0.7	1.3
Variations with the observer position at spacing:											
S =	1.0H	0.1 / -0.2					0.1 / -0.2				
	1.5H	0.2 / -0.3					0.2 / -0.3				
	2.0H	0.3 / -0.4					0.3 / -0.4				