

Last information update: April 2024

Product configuration: MN00

MN00: Fixed round recessed luminaire - Ø212 mm - warm white - wide flood optic

**Product code**

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Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone (4,000K). General light emission, with controlled luminance $UGR < 19$ 1500 cd/m^2 $\alpha > 65^\circ$ wide flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm

Colour

White / Aluminium (39)

Weight (Kg)

2.01

Mounting

ceiling recessed

Wiring

Product complete with DALI components

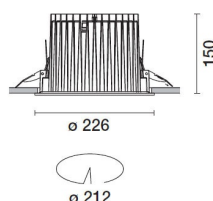
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

lm system:	4555	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	36.2	Lamp code:	LED
lm source:	5300	Number of lamps for optical assembly:	1
W source:	32	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	125.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 μ s
Light Output Ratio (L.O.R.) [%]:	86	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	56°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

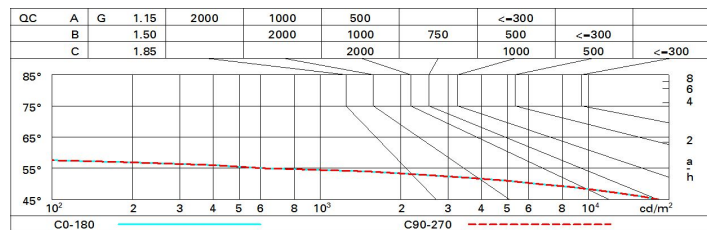
Polar

Imax=5370 cd		CIE		Lux			
				h	d	Em	Emax
90°		nL 0.86		2	2.1	1000	1342
		95-100-100-100-86		4	4.3	250	336
		UGR 17.9-17.9		6	6.4	111	149
		DIN A.61		8	8.5	62	84
		UTE					
		0.86A+0.00T					
		F*1=946					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<1500 cd/m ² at 65°					
		UGR<19 L<1500 cd/mq @65°					
$\alpha = 56^\circ$							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	71	68	65	70	67	67	64	74
1.0	79	75	72	70	74	72	71	68	80
1.5	84	81	79	77	80	78	77	74	86
2.0	87	85	83	81	83	82	81	78	91
2.5	89	87	85	84	86	84	83	81	94
3.0	90	88	87	86	87	86	85	83	96
4.0	91	90	89	88	88	88	86	84	98
5.0	91	91	90	90	89	89	87	85	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 5300 lm bare lamp luminous flux)											
Reflect.: ceiling 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	18.5	19.2	18.8	19.4	19.7	18.5	19.2	18.8	19.4	19.7
	3H	18.4	19.0	18.7	19.2	19.5	18.4	19.0	18.7	19.2	19.5
	4H	18.3	18.9	18.6	19.1	19.4	18.3	18.9	18.6	19.1	19.4
	6H	18.2	18.7	18.6	19.0	19.4	18.2	18.7	18.6	19.0	19.4
	8H	18.2	18.7	18.5	19.0	19.3	18.2	18.7	18.5	19.0	19.3
	12H	18.1	18.6	18.5	18.9	19.3	18.1	18.6	18.5	18.9	19.3
4H	2H	18.3	18.9	18.6	19.1	19.4	18.3	18.9	18.6	19.1	19.4
	3H	18.1	18.6	18.5	18.9	19.3	18.1	18.6	18.5	18.9	19.3
	4H	18.0	18.5	18.4	18.8	19.2	18.0	18.5	18.4	18.8	19.2
	6H	18.0	18.3	18.4	18.7	19.1	18.0	18.3	18.4	18.7	19.1
	8H	17.9	18.2	18.4	18.7	19.1	17.9	18.2	18.4	18.7	19.1
	12H	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.1
8H	4H	17.9	18.2	18.4	18.7	19.1	17.9	18.2	18.4	18.7	19.1
	6H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	8H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	12H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.9
12H	4H	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.1
	6H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	8H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.9
Variations with the observer position at spacing:											
S =	1.0H	4.5 / -24.2					4.5 / -24.2				
	1.5H	7.2 / -33.8					7.2 / -33.8				
	2.0H	9.2 / -34.2					9.2 / -34.2				