

Reflex

Design iGuzzini

iGuzzini

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

Product code

MN00

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

Dimension (mm)

Ø226x150

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



Product configuration: MN00

Product characteristics

Total lighting output [Lm]: 4297
Total power [W]: 36.7
Luminous efficacy [Lm/W]: 117.1
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 86
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 33
Nominal luminous [Lm]: 5000
Lamp maximum intensity [cd]: /
Beam angle [°]: 56°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.7
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

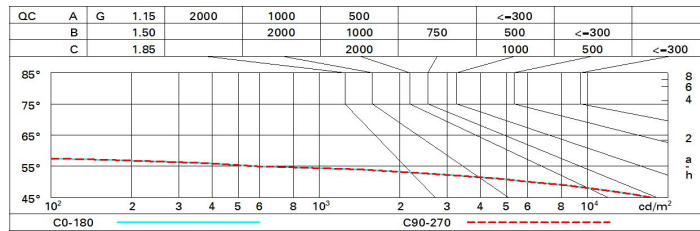
Polar

Polar		CIE		Lux			
Imax=5066 cd		nL 0.86					
90°		95-100-100-100-86					
180°		UGR 17.7-17.7					
90°		DIN					
4500		A.61					
0°		UTE					
α=56°		0.86A+0.00T					
		F*1=946					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<200 cd/m ² at 65°					
		BZ1					
				h	d	Em	Emax
				2	2.1	943	1266
				4	4.3	236	317
				6	6.4	105	141
				8	8.5	59	79

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 5000 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceill/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 crosswise					viewed endwise				
x	y										
2H	2H	18.3	19.0	18.6	19.2	19.5	18.3	19.0	18.6	19.2	19.5
	3H	18.2	18.8	18.5	19.0	19.3	18.2	18.8	18.5	19.0	19.3
	4H	18.1	18.6	18.4	18.9	19.2	18.1	18.7	18.4	18.9	19.2
	6H	18.0	18.5	18.4	18.8	19.2	18.0	18.5	18.4	18.8	19.2
	8H	18.0	18.5	18.3	18.8	19.1	18.0	18.5	18.3	18.8	19.1
	12H	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7	19.1
4H	2H	18.1	18.7	18.4	18.9	19.2	18.1	18.6	18.4	18.9	19.2
	3H	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7	19.1
	4H	17.8	18.3	18.2	18.6	19.0	17.8	18.3	18.2	18.6	19.0
	6H	17.8	18.1	18.2	18.5	18.9	17.8	18.1	18.2	18.5	18.9
	8H	17.7	18.0	18.1	18.5	18.9	17.7	18.0	18.1	18.5	18.9
	12H	17.7	18.0	18.1	18.4	18.9	17.7	18.0	18.1	18.4	18.9
8H	4H	17.7	18.0	18.1	18.5	18.9	17.7	18.0	18.1	18.5	18.9
	6H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.8
	8H	17.6	17.8	18.0	18.3	18.8	17.6	17.8	18.0	18.3	18.8
	12H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
12H	4H	17.7	18.0	18.1	18.4	18.9	17.7	18.0	18.1	18.4	18.9
	6H	17.6	17.8	18.0	18.3	18.8	17.6	17.8	18.0	18.3	18.8
	8H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
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				