Design iGuzzini

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Last information update: June 2018



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

Product code

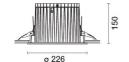
MM99

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 neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α >65° 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







On the visible part of the product once installed













A++

Product configuration: MM99

Product characteristics

Total lighting output [Lm]: 4297 Total power [W]: 35.3 Luminous efficacy [Lm/W]: 121.7

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]: 32 Nominal luminous [Lm]: 5000 Lamp maximum intensity [cd]: / Beam angle [°]: 56°

Number of lamps for optical assembly: 1

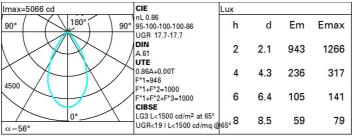
Socket: /

Ballast losses [W]: 3.3 Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

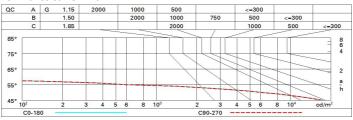
Polar



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

Rifled	nt ·										
ceil/cav walls work pl. Room dim		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
		crosswise					endwise				
		2H	2H	18.3	19.0	18.6	19.2	19.5	18.3	19.0	18.6
	ЗН	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
	бН	18.0	18.5	18.4	18.8	19.2	18.0	18.5	18.4	18.8	19.
	нв	18.0	18.5	18.3	18.8	19.1	18.0	18.5	18.3	18.8	19.
	12H	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7	19.
4H	2H	18.1	18.7	18.4	18.9	19.2	18.1	18.6	18.4	18.9	19.
	ЗН	17.9	18.4	18.3	18.7	19.1	17.9	18.4	18.3	18.7	19.
	4H	17.8	18.3	18.2	18.6	19.0	17.8	18.3	18.2	18.6	19.
	6H	17.8	18.1	18.2	18.5	18.9	17.8	18.1	18.2	18.5	18.9
	HS	17.7	18.0	18.1	18.5	18.9	17.7	18.0	18.1	18.5	18.
	12H	17.7	18.0	18.1	18.4	18.9	17.7	18.0	18.1	18.4	18.
вн	4H	17.7	18.0	18.1	18.5	18.9	17.7	18.0	18.1	18.5	18.
	6H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.
	HS	17.6	17.8	18.0	18.3	18.8	17.6	17.8	18.0	18.3	18.
	12H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.
12H	4H	17.7	18.0	18.1	18.4	18.9	17.7	18.0	18.1	18.4	18.
	бН	17.6	17.8	18.0	18.3	18.8	17.6	17.8	18.0	18.3	18.
	HS	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.
		th the ob	mexicon .		The second second	ıg:					
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	