Design iGuzzini

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Fixed circular recessed luminaire - Ø 96 mm - warm white - wide flood optic - UGR<19

Product code

MV93

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 (3000K). 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 20 mm.

96



Dimension (mm) Ø109x95

Colour

White/Aluminium (39)

Weight (Kg)

0.65

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











Product configuration: MV93

Product characteristics

Total lighting output [Lm]: 1109 Total power [W]: 11.8 Luminous efficacy [Lm/W]: 94

Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90 $^{\circ}$ [Lm]: 0

Emergency luminous flux [Lm]: /

Voltage [V]:

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 74 Lamp code: LED

ZVEI Code: LED

Nominal power [W]: 9.3

Nominal luminous [Lm]: 1500

Lamp maximum intensity [cd]: /

Beam angle [°]: 44°

Number of lamps for optical assembly: 1

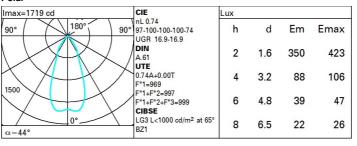
Socket: /

Ballast losses [W]: 2.5 Colour temperature [K]: 3000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

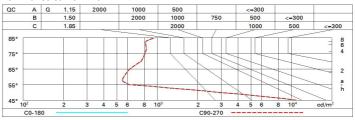
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	60	58	61	59	59	56	76
1.0	69	66	63	61	65	63	62	60	81
1.5	73	70	68	67	69	67	67	65	87
2.0	75	73	72	70	72	71	70	68	92
2.5	76	75	74	73	74	73	72	70	95
3.0	77	76	76	75	75	74	73	72	97
4.0	78	77	77	76	76	76	75	73	99
5.0	79	78	78	77	77	77	75	74	99

Luminance curve limit



UGR diagram

Rifled	ct.:											
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 0.20	0.30	0.30	0.50 0.20	0.30	0.50	0.30	0.30	
												2000000
		X	У	crosswise						endwise		
2H	2H	17.5	18.1	17.7	18.4	18.6	17.5	18.1	17.7	18.4	18.6	
	ЗН	17.3	17.9	17.6	18.2	18.5	17.3	17.9	17.6	18.2	18.5	
	4H	17.3	17.8	17.6	18.1	18.4	17.2	17.8	17.6	18.1	18.4	
	бН	17.2	17.7	17.5	18.0	18.3	17.2	17.7	17.5	18.0	18.3	
	H8	17.1	17.6	17.5	18.0	18.3	17.1	17.6	17.5	18.0	18.3	
	12H	17.1	17.6	17.5	17.9	18.3	17.1	17.6	17.5	17.9	18.3	
4H	2H	17.2	17.8	17.6	18.1	18.4	17.3	17.8	17.6	18.1	18.	
	ЗН	17.1	17.6	17.5	17.9	18.3	17.1	17.6	17.5	17.9	18.3	
	4H	17.0	17.4	17.4	17.8	18.2	17.0	17.4	17.4	17.8	18.2	
	6H	16.9	17.3	17.4	17.7	18.1	16.9	17.3	17.4	17.7	18.1	
	8H	16.9	17.2	17.3	17.6	18.1	16.9	17.2	17.3	17.6	18.	
	12H	16.9	17.2	17.3	17.6	18.0	16.8	17.1	17.3	17.6	18.0	
вн	4H	16.9	17.2	17.3	17.6	18.1	16.9	17.2	17.3	17.6	18.	
	6H	16.8	17.1	17.3	17.5	18.0	16.8	17.1	17.3	17.5	18.0	
	8H	16.8	17.0	17.2	17.5	18.0	16.8	17.0	17.2	17.5	18.0	
	12H	16.7	16.9	17.2	17.4	17.9	16.7	16.9	17.2	17.4	17.9	
12H	4H	16.8	17.1	17.3	17.6	18.0	16.9	17.2	17.3	17.6	18.0	
	бН	16.8	17.0	17.2	17.5	18.0	16.8	17.0	17.3	17.5	18.0	
	HS	16.7	16.9	17.2	17.4	17.9	16.7	16.9	17.2	17.4	17.9	
Varia	tions wi	th the ob	serverp	noitieo	at spacin	ıg:						
S =	1.0H	4.5 / -14.0					4.5 / -14.0					
	1.5H	7.3 / -14.3					7.3 / -14.3					
	2.0H	9.3 / -14.3					9.3 / -14.3					