Design iGuzzini

iGuzzini

Last information update: May 2018



ø 69

ø 78

Fixed circular recessed luminaire - Ø 75 mm - warm white - wide flood optic - UGR<19

### Product code

MV45

#### Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version without rim for mounting flush with ceiling. 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 CRI90 (3,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2  $\alpha$ >65° wide flood optic.

#### Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

## Dimension (mm)

Ø69x90

#### Colour

Aluminium (12)

### Weight (Kg)

0.42

### Mounting

ceiling recessed

## Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations









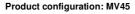












# **Product characteristics**

Total lighting output [Lm]: 789 Total power [W]: 10.1 Luminous efficacy [Lm/W]: 78.1

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.) [%]: 79 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 8 Nominal luminous [Lm]: 1000 Lamp maximum intensity [cd]: / Beam angle [°]: 52°

Number of lamps for optical assembly: 1

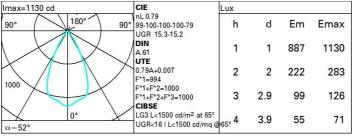
Socket: /

Ballast losses [W]: 2.1 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

### Polar

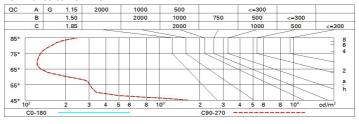




## **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	75	74	72	75	73	72	70	88
2.0	80	79	77	76	78	76	75	73	93
2.5	82	81	79	79	79	78	78	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	83	82	81	79	100

# Luminance curve limit



# UGR diagram

1 4H 1 8H	/ I.	0.70 0.50 0.20 15.8 15.7 15.6 15.5 15.5 15.5 15.5	0.70 0.30 0.20 16.4 16.2 16.1 16.0 15.9 15.9	0.50 0.50 0.20 viewed crosswise 16.1 16.0 15.9 15.9 15.8		0.30 0.30 0.20 16.9 16.8 16.7 16.6 16.6 16.8	0.70 0.50 0.20 15.8 15.7 15.6 15.5 15.5 15.5	0.70 0.30 0.20 16.4 16.2 16.1 16.0 15.9 15.9	0.50 0.50 0.20 viewed endwise 16.1 16.0 16.0 15.9 15.8	0.50 0.30 0.20 16.6 16.5 16.4 16.3 16.3 16.2	16.9 16.1 16.1 16.1 16.1 16.1
walls work pl. Room d x 2H 4H	2H 3H 4H 6H 12H 2H 3H 4H	0.50 0.20 15.8 15.7 15.6 15.5 15.5 15.5 15.5 15.6 15.5	0.30 0.20 16.4 16.2 16.1 16.0 15.9 15.9	0.50 0.20 viewed crosswis 16.1 16.0 16.0 15.9 15.8	0.30 0.20 e 16.6 16.5 16.4 16.3 16.3 16.2	0.30 0.20 16.9 16.8 16.7 16.6 16.6 16.6	0.50 0.20 15.8 15.7 15.6 15.5 15.5	16.4 16.2 16.1 16.0 15.9	0.50 0.20 viewed endwise 16.1 16.0 16.0 15.9 15.9	0.30 0.20 16.6 16.5 16.4 16.3 16.3	16.9 16.1 16.1 16.0 16.0
work pl. Room d x 2H 4H 1	2H 3H 4H 6H 8H 12H 2H 3H 4H	15.8 15.7 15.6 15.5 15.5 15.5 15.5	0.20 16.4 16.2 16.1 16.0 15.9 15.9	0.20 viewed crosswise 16.1 16.0 16.0 15.9 15.8	0.20 e 16.6 16.5 16.4 16.3 16.3 16.2	16.9 16.8 16.7 16.6 16.6 16.6	15.8 15.7 15.6 15.5 15.5	16.4 16.2 16.1 16.0 15.9	0.20 viewed endwise 16.1 16.0 16.0 15.9 15.9	16.6 16.5 16.4 16.3 16.3	16.1 16.1 16.1 16.1
2H 1 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	15.8 15.7 15.6 15.5 15.5 15.5 15.6 15.6 15.5	16.4 16.2 16.1 16.0 15.9 15.9	16.1 16.0 16.0 15.9 15.8	16.6 16.5 16.4 16.3 16.3 16.2	16.9 16.8 16.7 16.6 16.6 16.6	15.8 15.7 15.0 15.5 15.5	16.4 16.2 16.1 16.0 15.9	viewed endwise 16.1 16.0 16.0 15.9 15.9	16.6 16.5 16.4 16.3 16.3	16. 16. 16. 16. 16.
2H 1 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	15.7 15.6 15.5 15.5 15.5 15.5 15.6 15.6	16.4 16.2 16.1 16.0 15.9 15.9	16.1 16.0 16.0 15.9 15.9 15.8	16.6 16.5 16.4 16.3 16.3 16.2	16.8 16.7 16.6 16.6 16.6	15.7 15.6 15.5 15.5 15.5	16.2 16.1 16.0 15.9 15.9	16.1 16.0 16.0 15.9 15.9	16.6 16.5 16.4 16.3 16.3	16. 16. 16. 16.
2H 1 1 4H 1 8H	2H 3H 4H 6H 8H 12H 2H 3H 4H	15.7 15.6 15.5 15.5 15.5 15.5 15.6 15.6	16.4 16.2 16.1 16.0 15.9 15.9	16.1 16.0 16.0 15.9 15.9 15.8	16.6 16.5 16.4 16.3 16.3 16.2	16.8 16.7 16.6 16.6 16.6	15.7 15.6 15.5 15.5 15.5	16.2 16.1 16.0 15.9 15.9	16.1 16.0 16.0 15.9 15.9	16.6 16.5 16.4 16.3 16.3	16. 16. 16. 16.
1 4H 1 8H	3H 4H 6H 8H 12H 2H 3H 4H	15.7 15.6 15.5 15.5 15.5 15.5 15.6 15.6	16.2 16.1 16.0 15.9 15.9	16.0 16.0 15.9 15.9 15.8	16.5 16.4 16.3 16.3 16.2	16.8 16.7 16.6 16.6 16.6	15.7 15.6 15.5 15.5 15.5	16.2 16.1 16.0 15.9 15.9	16.0 16.0 15.9 15.9 15.8	16.5 16.4 16.3 16.3 16.2	16. 16. 16. 16.
1 4H 1 8H	4H 6H 8H 12H 2H 3H 4H	15.6 15.5 15.5 15.5 15.5 15.6 15.5	16.1 16.0 15.9 15.9 16.1 15.9	16.0 15.9 15.9 15.8	16.4 16.3 16.3 16.2	16.7 16.6 16.6 16.6	15.6 15.5 15.5 15.5	16.1 16.0 15.9 15.9	16.0 15.9 15.9 15.8	16.4 16.3 16.3 16.2	16. 16. 16. 16.
1 4H 1 8H	6H 8H 12H 2H 3H 4H	15.5 15.5 15.5 15.6 15.6 15.5	16.0 15.9 15.9 16.1 15.9	15.9 15.9 15.8	16.3 16.3 16.2	16.6 16.6 16.6	15.5 15.5 15.5	16.0 15.9 15.9	15.9 15.9 15.8	16.3 16.3 16.2	16. 16.
1 4H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8H 12H 2H 3H 4H	15.5 15.5 15.6 15.5 15.4	15.9 15.9 16.1 15.9	15.9 15.8 16.0	16.3 16.2 16.4	16.6 16.6 16.7	15.5 15.5	15.9 15.9	15.9 15.8	16.3 16.2	16. 16.
1 4H 1 8H	12H 2H 3H 4H	15.5 15.6 15.5 15.4	15.9 16.1 15.9	15.8 16.0	16.2 16.4	16.6 16.7	15.5	15.9	15.8	16.2	16.
4H 1	2H 3H 4H	15.6 15.5 15.4	16.1 15.9	16.0	16.4	16.7	15673	CONTRACTOR	6000000	F4 (85) (8)	1800
1 8H	3H 4H	15.5 15.4	15.9				15.6	16.1	16.0	16.4	18
1 8H	4H	15.4		15.8	16.2					10.4	10
1 8H		2,8,000	15.7		10.2	16.6	15.5	15.9	15.8	16.2	16
1 8H	6H		10.7	15.8	16.1	16.5	15.4	15.7	15.8	16.1	16
1 8H		15.3	15.6	15.7	16.0	16.4	15.3	15.6	15.7	16.0	16
8H	HS	15.3	15.5	15.7	16.0	16.4	15.2	15.5	15.7	16.0	16
	12H	15.2	15.5	15.7	15.9	16.4	15.2	15.5	15.7	15.9	16
	4H	15.2	15.5	15.7	16.0	16.4	15.3	15.5	15.7	16.0	16
	6H	15.2	15.4	15.6	15.8	16.3	15.2	15.4	15.6	15.8	16
1	H8	15.1	15.3	15.6	15.8	16.3	15.1	15.3	15.6	15.8	16
	12H	15.1	15.2	15.6	15.7	16.2	15.1	15.2	15.6	15.7	16
12H	4H	15.2	15.5	15.7	15.9	16.4	15.2	15.5	15.7	15.9	16
	бН	15.1	15.3	15.6	15.8	16.3	15.1	15.3	15.6	15.8	16
	HS	15.1	15.2	15.6	15.7	16.2	15.1	15.2	15.6	15.7	16
		th the ob	oserverp	osition a	at spacin	ig:					
	1.0H	6.0 / -23.7					6.0 / -23.7				
1 2	1.5H	8.8 / -24.6					8.8 / -24.6 10.8 / -25.0				