Design iGuzzini

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Last information update: May 2018



# 10 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply Wide - Flood optic

### Product code

MM80

#### Technical description

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - wide flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white high colour rendering LED

# 281



#### Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

#### Dimension (mm)

281x44x54

#### Colour

White (01) | Black/Black (43) | Black/White (47) | Grey/Black (74)

# Weight (Kg)

0.6

### Mounting

wall recessed|ceiling recessed

# Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

























### **Product characteristics**

Total lighting output [Lm]: 1409.8 Total power [W]: 24.5

Product configuration: MM80

Luminous efficacy [Lm/W]: 57.5

Life Time: 50,000h - L90 - 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.) [%]: 83

Lamp code: LED ZVEI Code: LED Nominal power [W]: 21 Nominal luminous [Lm]: 1700 Lamp maximum intensity [cd]: /

Beam angle [°]: 48°

Number of lamps for optical assembly: 1

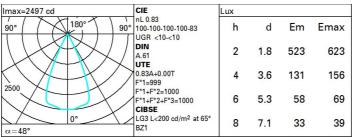
Socket:

Ballast losses [W]: 3.5 Colour temperature [K]: 2700

CRI: 95

Wavelength [Nm]: / MacAdam Step: 3

## Polar



# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

1 4H	2H 3H 4H 6H 8H 12H 2H 3H	0.70 0.50 0.20 1.2 1.0 1.0 0.9 0.9 0.8	0.70 0.30 0.20 1.6 1.5 1.4 1.3 1.2 1.2	0.50 0.50 0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2		0.30 0.30 0.20	0.70 0.50 0.20 1.2 1.0 1.0 0.9	0.70 0.30 0.20 1.6 1.5 1.4 1.3	0.50 0.50 0.20 viewed endwise 1.4 1.3 1.3		0.30 0.30 0.20 2.1 2.0 2.0
walls work pl. Room d x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H	1.2 1.0 1.0 0.9 0.8	0.30 0.20 1.6 1.5 1.4 1.3 1.2	0.50 0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2	0.30 0.20 e 1.9 1.7 1.7 1.6 1.5	0.30 0.20 2.1 2.0 2.0 1.9	1.2 1.0 1.0 0.9	1.6 1.5 1.4 1.3	0.50 0.20 viewed endwise 1.4 1.3 1.3	0.30 0.20 1.9 1.7 1.7	0.30 0.20 2.1 2.0 2.0
work pl. Room d x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H	1.2 1.0 1.0 0.9 0.9	1.6 1.5 1.4 1.3 1.2	0.20 viewed crosswis 1.4 1.3 1.3 1.2 1.2	0.20 e 1.9 1.7 1.7 1.6 1.5	2.1 2.0 2.0 1.9	1.2 1.0 1.0 0.9	1.6 1.5 1.4 1.3	0.20 viewed endwise 1.4 1.3 1.3	0.20 1.9 1.7 1.7	2.1 2.0 2.0
2H 1 1 1 8H	2H 3H 4H 6H 8H 12H 2H 3H	1.2 1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2	1.4 1.3 1.3 1.2	e 1.9 1.7 1.7 1.6 1.5	2.1 2.0 2.0 1.9 1.9	1.2 1.0 1.0 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2	1.9 1.7 1.7	2.1 2.0 2.0
2H 1 1 1 8H	2H 3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2	1.4 1.3 1.3 1.2	1.9 1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2	1.9 1.7 1.7	2.0
2H 1 1 4H 1 1 8H	2H 3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.6 1.5 1.4 1.3 1.2	1.4 1.3 1.3 1.2	1.9 1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9	1.6 1.5 1.4 1.3	1.4 1.3 1.3 1.2	1.9 1.7 1.7	2.0
1 4H	3H 4H 6H 8H 12H 2H 3H	1.0 1.0 0.9 0.9 0.8	1.5 1.4 1.3 1.2 1.2	1.3 1.3 1.2 1.2	1.7 1.7 1.6 1.5	2.0 2.0 1.9 1.9	1.0 1.0 0.9	1.5 1.4 1.3	1.3 1.3 1.2	1.7 1.7	2.0
1 4H	4H 6H 8H 12H 2H 3H	1.0 0.9 0.9 0.8	1.4 1.3 1.2 1.2	1.3 1.2 1.2	1.7 1.6 1.5	2.0 1.9 1.9	1.0 0.9	1.4 1.3	1.3 1.2	1.7	2.0
4H	6H 8H 12H 2H 3H	0.9 0.9 0.8	1.3 1.2 1.2	1.2 1.2	1.6 1.5	1.9 1.9	0.9	1.3	1.2		
4H	8H 12H 2H 3H	0.9 0.8	1.2 1.2	1.2	1.5	1.9	93345			1.6	1.9
4H	12H 2H 3H	0.8	1.2				0.9	12			
4H	2H 3H	1.0	0.000	1.2	1.5	10		1.4	1.2	1.5	1.9
8H	ЗН		1.4			1.9	8.0	1.2	1.2	1.5	1.8
1 8H				1.3	1.7	2.0	1.0	1.4	1.3	1.7	2.0
1 8H		8.0	1.2	1.2	1.5	1.8	8.0	1.2	1.2	1.5	1.9
1 8H	4H	0.7	1.0	1.1	1.4	1.8	0.7	1.0	1.1	1.4	1.8
8н	бН	0.6	0.9	1.1	1.3	1.7	0.6	0.9	1.1	1.3	1.7
8H	H8	0.6	8.0	1.0	1.3	1.7	0.6	8.0	1.0	1.3	1.
	12H	0.5	8.0	1.0	1.2	1.7	0.5	8.0	1.0	1.2	1.
	4H	0.6	8.0	1.0	1.3	1.7	0.6	8.0	1.0	1.3	1.
	6H	0.5	0.7	1.0	1.2	1.6	0.5	0.7	1.0	1.2	1.0
	8H	0.4	0.6	0.9	1.1	1.6	0.4	0.6	0.9	1.1	1.0
8	12H	0.4	0.5	0.9	1.0	1.6	0.4	0.5	0.9	1.0	1.5
12H	4H	0.5	8.0	1.0	1.2	1.7	0.5	8.0	1.0	1.2	1.
	6H	0.4	0.6	0.9	1.1	1.6	0.4	0.6	0.9	1.1	1.6
	8H	0.4	0.5	0.9	1.0	1.5	0.4	0.5	0.9	1.0	1.0
Variatio	ns wi	th the ol	bserverp	oosition	at spacir	ng:					
	1.0H		6	.9 / -18	0.8	6.9 / -18.0					
1	1.5H	9.7 / -18.3					9.7 / -18.3				