Design iGuzzini

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Product configuration: MM21+LED MM21: LED warm white -spot optic



### Product code

MM21: LED warm white -spot optic Attention! Code no longer in production

### Technical description

Recessed luminaire with 6 x 2.2W high output LED lamps. Monochrome emission in a warm white tone. Made of die-cast aluminium and thermoplastic material. LED optic with narrow beam lensesmade of plastic material. Double adjustability: internal (40°) and external (65°) with continuous friction; 355° rotation about the horizontal axis. Equipped with electronic power supply. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

### Installation

Recessed in false ceilings, with thicknesses starting at 1 mm, using special steel torsion springs

## Colour

White (01) | Grey (15)

# Mounting

ceiling recessed

# Wiring

The connection to the power cable is made on the integrated electronic power supply.

Complies with EN60598-1 and pertinent regulations



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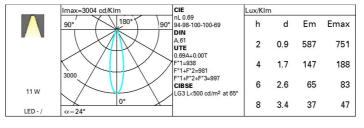




√) ø 125

| Technical data                   |       |                             |                               |  |  |
|----------------------------------|-------|-----------------------------|-------------------------------|--|--|
| Im system:                       | 619.8 | CRI:                        | 95                            |  |  |
| W system:                        | 12.5  | Colour temperature [K]:     | 3000                          |  |  |
| Im source:                       | 900   | MacAdam Step: 3             |                               |  |  |
| W source:                        | 11    | Life Time LED 1:            | 50,000h - L90 - B10 (Ta 25°C) |  |  |
| Luminous efficiency (lm/W,       | 49.6  | Lamp code:                  | LED                           |  |  |
| real value):                     |       | Number of lamps for optical | 1                             |  |  |
| Im in emergency mode:            | -     | assembly:                   |                               |  |  |
| Total light flux at or above     | 0     | ZVEI Code:                  | LED                           |  |  |
| an angle of 90° [Lm]:            |       | Number of optical           | 1                             |  |  |
| Light Output Ratio (L.O.R.) [%]: | 69    | assemblies:                 |                               |  |  |
| Beam angle [°]:                  | 24°   |                             |                               |  |  |
|                                  |       |                             |                               |  |  |

### Polar



# **Utilisation factors**

| R    | 77 | 7 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|------|----|----|----|----|----|----|-----|
| K0.8 | 60 | 57   | 54 | 52 | 56 | 54 | 53 | 51 | 74  |
| 1.0  | 63 | 60   | 58 | 56 | 59 | 57 | 57 | 54 | 79  |
| 1.5  | 67 | 64   | 62 | 61 | 64 | 62 | 61 | 59 | 85  |
| 2.0  | 69 | 67   | 66 | 65 | 66 | 65 | 64 | 62 | 90  |
| 2.5  | 71 | 69   | 68 | 67 | 68 | 67 | 66 | 64 | 93  |
| 3.0  | 72 | 71   | 70 | 69 | 69 | 69 | 68 | 66 | 96  |
| 4.0  | 73 | 72   | 71 | 71 | 71 | 70 | 69 | 67 | 98  |
| 5.0  | 73 | 73   | 72 | 72 | 71 | 71 | 70 | 68 | 99  |

## Luminance curve limit

