

Last information update: May 2018



**Fixed circular recessed luminaire - Ø153 mm - warm white - medium optic - UGR<19**

**Product code**  
MV70

**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 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m<sup>2</sup> α>65° medium optic.

**Installation**

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

**Dimension (mm)**

Ø140x124

**Colour**

Aluminium (12)

**Weight (Kg)**

1.32

**Mounting**

ceiling recessed

**Wiring**

product complete with an electronic ballast

Complies with EN60598-1 and pertinent regulations



**Product configuration: MV70**

**Product characteristics**

Total lighting output [Lm]: 2602.8  
Total power [W]: 23.7  
Luminous efficacy [Lm/W]: 109.8  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

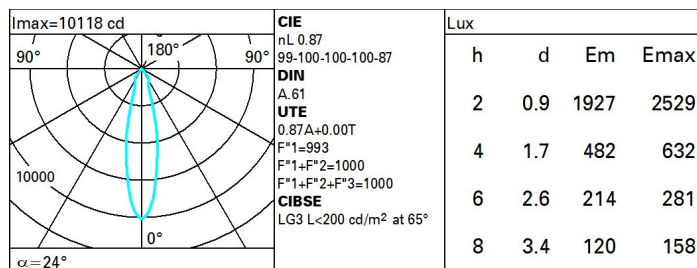
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 87  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 21  
Nominal luminous [Lm]: 3000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 24°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.7  
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 | 78 | 74 | 71 | 69 | 73 | 71 | 70 | 68 | 78  |
| 1.0  | 82 | 78 | 75 | 73 | 77 | 75 | 74 | 72 | 83  |
| 1.5  | 86 | 83 | 81 | 79 | 82 | 80 | 79 | 77 | 88  |
| 2.0  | 88 | 86 | 85 | 83 | 85 | 84 | 83 | 80 | 93  |
| 2.5  | 90 | 89 | 87 | 86 | 87 | 86 | 85 | 83 | 96  |
| 3.0  | 91 | 90 | 89 | 88 | 89 | 88 | 87 | 85 | 98  |
| 4.0  | 92 | 91 | 91 | 90 | 90 | 89 | 88 | 86 | 99  |
| 5.0  | 93 | 92 | 92 | 91 | 91 | 90 | 89 | 87 | 100 |

Luminance curve limit

