Made in Italy

16/11/2026 Rev. 09/2024

# Esem Mini 1.0, code: ME1012FMB

Recessed for indoor applications

on request kg 0,05 Ø27 mm IP20




## DESCRIPTION

recessed downlight for indoor applications; recessed (ceiling, shelf); Power consumption: max 2W; Power supply: max 500mA; Lumen output at source: 145 lm (3000K, 500mA); Delivered lumen output: 125 lm (3000K, 500mA, 27°); 1 power LED, 1/4 ANSI BIN, 50 000h L90 B10 (Ta 25°C); LED colour: 2700K; Optics: 27°; CRI Colour Rendering Index: 80; Body material: body in aluminium; Finishes: white (RAL 9003); RAL finish on request; Thickness of installation surface: min 5 mm, max 25 mm; power supply unit not included; Wiring: series; includes 2x0.50 m single-core cables; Control system: dimming via dimmable driver; Ingress protection: IP20; Operating temperature: 0°C — +45°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 45 g; Dimensions: Ø31x25 mm; Cutout dimensions: Ø27 mm; Volume of thermal heatsink: Ø90x60 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

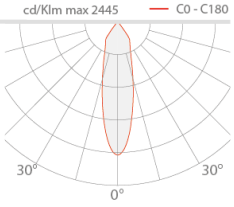
Status: Available

| | |
|---|---|
| **ELECTRICAL CHARACTERISTICS** | |
| Power consumption | max 2W |
| Power supply | max 500mA |
| Power supply unit | power supply unit not included |
| Control system | dimming via dimmable driver |
| Wiring | series |
| **LIGHTING CHARACTERISTICS** | |
| Number and type of LED | 1 power LED |
| Average LED life | 50 000h L90 B10 (Ta 25°C) |
| LED colour | 2700K |
| CRI Colour Rendering Index | 80 |
| Binning | 1/4 ANSI BIN |
| Optics | 27° |
| Lumen output at source | 145 lm (3000K, 500mA) |
| Delivered lumen output | 125 lm (3000K, 500mA, 27°) |
| **MECHANICAL CHARACTERISTICS** | |
| Dimensions | Ø31x25 mm |
| Weight | 45 g |
| Finishes | white RAL 9003 |
| Mounting | with fixing springs |
| Body material | body in aluminium |
| Cutout dimensions | Ø27 mm |
| Volume of thermal heatsink | Ø90x60 mm |
| **GENERAL CHARACTERISTICS** | |
| Ingress protection | IP20 |
| Operating temperature | 0°C — +45°C |
| Energy efficiency class | F (light source) in accordance with EU 2019/2015 |
| Appliance class | class III |
| Walkover | no |
| Drive-over | no |
| Power cables | includes 2x0.50 m single-core cables |
| Photobiological safety | photobiological safety: risk group 1 according to EN 62471:2006 |

## PHOTOMETRIC DATA

M - 27°

| H (m) | ∅ (m) | Lux max (3000K ) 2W |
|---|---|---|
| 0.50 | 0.24 | 1222 |
| 1.00 | 0.48 | 306 |
| 1.50 | 0.72 | 136 |
| 2.00 | 0.96 | 76 |
| 2.50 | 1.20 | 49 |
| 3.00 | 1.44 | 34 |




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