Made in Italy

05/11/2026 Rev. 09/2024

Esem Mini 1.0, code: ME1012FSB

Recessed for indoor applications

on request kg 0,045 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: 14°; 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

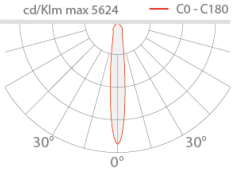
Status: Available

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	14°
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

S - 14°

H (m)	∅ (m)	Lux max (3000K) 2W
0.50	0.12	2812
1.00	0.24	703
1.50	0.36	312
2.00	0.49	176
2.50	0.61	112
3.00	0.73	78



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