DATASHEET

Made in Italy

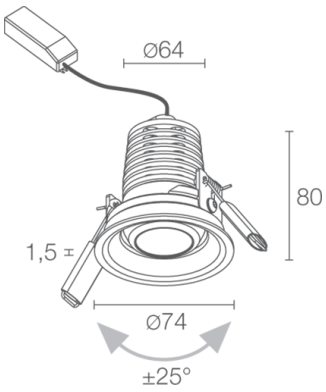
07/11/2026 Rev. 10/2024

Esem 3.1, code: ES31005SB

Recessed for indoor applications

on request kg 0,30 Ø65 mm IP40





DESCRIPTION

recessed downlight for indoor applications; recessed (ceiling); Power consumption: 8W; Power supply: 230Vac; Lumen output at source: 512 lm (3000K); Delivered lumen output: 425 lm (3000K, 30°); 1 multichip power LED, 2-step MacAdam, 50 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: 20° tiltable ±25°; CRI Colour Rendering Index: 80; Body material: body and trim in aluminium; Finishes: white (RAL 9003); RAL finish on request; Thickness of installation surface: min 5 mm, max 25 mm; power supply unit included; includes 0.30 m cable; Control system: ON/OFF; Ingress protection: IP40; Operating temperature: 0°C — +45°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class II; Weight: 300 g; Dimensions: Ø74x80 mm; Cutout dimensions: Ø65 mm; Volume of thermal heatsink: Ø180x150 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

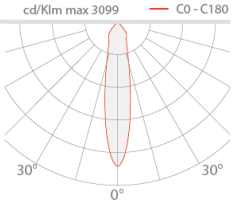
Status: Available

ELECTRICAL CHARACTERISTICS	
Power consumption	8W
Power supply	230Vac
Power supply unit	power supply unit included
Control system	ON/OFF
LIGHTING CHARACTERISTICS	
Number and type of LED	1 multichip power LED
Average LED life	50 000h L90 B10 (Ta 25°C)
LED colour	3000K
CRI Colour Rendering Index	80
Binning	2-step MacAdam
Optics	20° tiltable ±25°
Lumen output at source	512 lm (3000K)
Delivered lumen output	425 lm (3000K, 30°)
MECHANICAL CHARACTERISTICS	
Dimensions	Ø74x80 mm
Weight	300 g
Finishes	white RAL 9003
Mounting	with fixing springs
Body material	body and trim in aluminium
Cutout dimensions	Ø65 mm
Volume of thermal heatsink	Ø180x150 mm
GENERAL CHARACTERISTICS	
Ingress protection	IP40
Operating temperature	0°C — +45°C
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Appliance class	class II
Walkover	no
Drive-over	no
Power cables	includes 0.30 m cable
Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006

PHOTOMETRIC DATA

S - 20°

H (m)	∅ (m)	Lux max (3000K) 8W
0.50	0.18	5138
1.00	0.36	1284
1.50	0.54	571
2.00	0.71	321
2.50	0.89	206
3.00	1.07	143



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