Made in Italy

16/11/2026 Rev. 12/2024

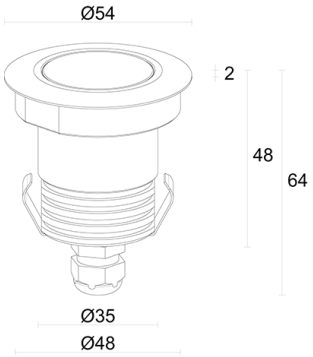
Smoothy 1.6, code: SY160105SI

Recessed for outdoor applications

on request kg 1000 - kN 10 kg 0,25 IP65 IP67

IK08 T max 50°C F





DESCRIPTION

recessed for outdoor applications; drive-over up to 1000 kg; walkover; recessed (ceiling, wall, floor); Power consumption: 3,5W; Power supply: 24Vdc; Lumen output at source: 224 lm (3000K, 3.5W, CRI 80); Delivered lumen output: 188 lm (3000K, 22°, 3.5W, CRI 80); 1 power LED, 1/4 ANSI BIN, 55 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: 13°: optical system consisting of a high-efficiency TIR lens combined with a high-quality technical filter; CRI Colour Rendering Index: 80; Body material: body made of ANTICORODAL 6082 aluminium alloy, made entirely on a CNC lathe and then electro-coloured black. Trim in AISI 316L stainless steel, made with a CNC lathe; Finishes: stainless steel; RAL finish on request; Screen material: 4-mm-thick transparent extra-clear glass, high transmittance to ensure chromatic uniformity of light and tempered for excellent resistance to knocks and scratches; Seals: the silicone rubber gaskets guarantee maximum resistance to UV rays and unchanging mechanical characteristics over time; Thickness of installation surface: min 0 mm, max 25 mm; power supply unit not included; includes 1.50 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm; Ingress protection: IP65, IP67; Impact resistance: IK08; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; Operating temperature: -20°C — +45°C; Maximum device temperature: 50°C (Ta 25°C); Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 250 g; Dimensions: Ø54x64 mm; Cutout dimensions: Ø48 mm; Volume of thermal heatsink: Ø180x110 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC4010 Outer casing, WE0700S Anti-glare screen, half transparent and half serigraphed black, WG0501 Retaining spring clip for installation on plasterboard Ø48mm, WH0100 Honeycomb louvre, WL0100 Suction cup; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

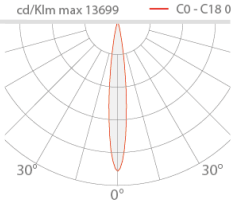
Status: Available

ELECTRICAL CHARACTERISTICS	
Power consumption	3,5W
Power supply	24Vdc
Power supply unit	power supply unit not included
LIGHTING CHARACTERISTICS	
Number and type of LED	1 power LED
Average LED life	55 000h L90 B10 (Ta 25°C)
LED colour	3000K
CRI Colour Rendering Index	80
Binning	1/4 ANSI BIN
Optics	13°
Lumen output at source	224 lm (3000K, 3.5W, CRI 80)
Delivered lumen output	188 lm (3000K, 22°, 3.5W, CRI 80)
MECHANICAL CHARACTERISTICS	
Dimensions	Ø54x64 mm
Weight	250 g
Finishes	stainless steel
Mounting	with fixing springs or outer casing
Body material	body in black-anodized anticorodal aluminium, trim in AISI 316L stainless steel
Screen material	screen in tempered, transparent extra-clear glass
Cutout dimensions	Ø48 mm
Volume of thermal heatsink	Ø180x110 mm
GENERAL CHARACTERISTICS	
Ingress protection	IP65, IP67
Operating temperature	-20°C — +45°C
Impact resistance	IK08
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Glow wire test	960°C
Maximum device temperature	50°C (Ta 25°C)
Appliance class	class III
Walkover	yes
Drive-over	up to 1000 kg
Power cables	includes 1.50 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
Protection systems	IPS (Intelligent Protection System)
Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006

PHOTOMETRIC DATA

S - 13° CRI 80

H (m)	Ø (m)	Lux max (3000K) 3.5W	cd/Klm max 13699
1.00	0.23	2466	
2.00	0.46	616	
3.00	0.70	274	
4.00	0.93	154	
5.00	1.16	99	



ACCESSORIES

Installation Accessories

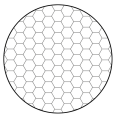


WC4010
Outer casing



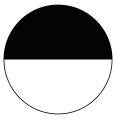
WG0501
Retaining spring clip for installation on plasterboard Ø48mm

Anti-glare



WH0100
Honeycomb louvre
built into the lighting fixture
The honeycomb louvre can be fitted on all fixed optics except for the sharp and diffuse optics
Order together with the lighting fixture

Optical Accessories



WE0700S
Anti-glare screen, half transparent and half serigraphed black
built into the lighting fixture
Can be fitted on all optics except for diffuse and 48° optics
Order together with the lighting fixture

Other



WL0100
Suction cup
Recommended accessory

L&L Luce&Light SRL reserves the right to change the information contained in this document at any time without prior notice being given.