Made in Italy

Bright 1.6, code: CB16005SI Recessed for outdoor applications 03/07/2025 Rev. 15/2024















DESCRIPTION

recessed for outdoor applications (not suitable for use in immersion in swimming pools or fountains); walkover up to 500 kg; recessed (ceiling, wall, floor); Power consumption: 2W; Power supply: 24Vdc; Lumen output at source: 195 lm (3000K); Delivered lumen output: 127 lm (3000K, 21°); 1 power LED, 2-step MacAdam, 60 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: 10°; CRI Colour Rendering Index: 80; Body material: body and trim in AISI 316L stainless steel; RAL finish on request; Screen material: screen in tempered, transparent extra-clear glass; Thickness of installation surface: min 5 mm, max 30 mm; power supply unit not included; includes 1.5 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm; Ingress protection: IP65, IP68; Impact resistance: IK10; Casambi control using the Casambi app with dedicated electronics; 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: in accordance with IEC TR 62778:2014; Appliance class: class III; Weight: 200 g; Dimensions: Ø35x52 mm; Cutout dimensions: Ø30 mm; Volume of thermal heatsink: Ø80x100 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC0202 Outer casing, WE0500A Semi-diffusing screen, half transparent and half frosted, WE0500S Anti-glare screen, half transparent and half serigraphed black, WG0301 Retaining spring clip Ø30mm, WH0101 Honeycomb louvre; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

DATASHEET

TECHNICAL DATA



ELECTRICAL CHARACTERISTICS Power supply 24Vdc Power supply unit power supply unit not included LEGHTING CHARACTERISTICS Mumber and type of LED 1 power LED Average LED life 60 000h L90 B10 (Ta 25°C) LED colour 3000 K CRIC Colour Rendering Index 8 Binning 2-step MacAdam Optics 15° (R3000K) Lumen output at source 195 Im (8000K, 21°) Elivered Lumen output 195 Im (8000K, 21°) MECHANICAL CHARACTERISTICS Weight Body material 200 g Mounting with fixing springs or outer casing Body material body and trim in AISI 316L stainless steel Screen material screen in transparent, tempered extra-clear glass Cutout dimensions 300 mm Yolund of thermal heatsink 800x 100 mm ERNEAL CHARACTERISTICS Ingress protection P68, IP88 Operating temperature 20°C - +45°C Ingress protection F(light source) in accordance with		
Power supply 24Vdc Power supply unit power supply unit not included LIGHTING CHARACTERISTICS Number and type of LED 1 power LED Average LED life 60 000 L90 B10 (Ta 25°C) LED colour 3000K CRI Colour Rendering Index 80 Binning 2-step MacAdam Optics 15 m (3000K) Delivered lumen output 127 im (3000K, 21°) MECHANICAL CHARACTERISTICS Weight 20 g Would find in AISI 316L stainless steel Screen material 2 creen in transparent, tempered extra-clear glass Volume of themal heatsink 3030 mm Volume of themal heatsink 3030 mm Screen material 2 creen in transparent, tempered extra-clear glass Cyberating temperature 20°C - +45°C General CHARACTERISTICS 1 (Fig. 1968 Operating temperature 20°C - +45°C General cesistance 1 (Fig. 1968) Operating temperature 20°C (Ta 25°C) Assimum device temperature 50°C (Ta 25°C) Again and device temperature	ELECTRICAL CHARACTERISTICS	
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Power cables includes 1.5 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm Protection systems IPS (Intelligent Protection System) Photobiological safety in accordance with IEC TR 62778:2014	Drive-over	no
Protection systems IPS (Intelligent Protection System) Photobiological safety in accordance with IEC TR 62778:2014	Walkover	up to 500 kg
Photobiological safety in accordance with IEC TR 62778:2014	Power cables	·
·	Protection systems	IPS (Intelligent Protection System)
	Photobiological safety	
Notes Casambi control using the Casambi app with dedicated electronics	Notes	Casambi control using the Casambi app with dedicated electronics

PHOTOMETRIC DATA AND ACCESSORIES



PHOTOMETRIC DATA

$S-10^{\circ}$

		Lux max (3000K) cd/Klm max 25060 — C0 - C180
H (m)	Ø (m)	
1.00	0.17	2180
2.00	0.33	545
3.00	0.50	242
4.00	0.66	136 30°
5.00	0.83	87 0°

ACCESSORIES

Installation Accessories







WC0202 Outer casing

WG0301 Retaining spring clip Ø30mm

Anti-glare





WH0101
Honeycomb louvre
built into the lighting fixture
The Honeycomb louvre can be fitted on all fixed optics except for diffuse
and sharp optics
Order together with the lighting fixture

Optical Accessories



WE0500A

Semi-diffusing screen, half transparent and half frosted built into the lighting fixture Optics 10°, 21°, 43°

Order together with the lighting fixture



WE0500S

Anti-glare screen, half transparent and half serigraphed black built into the lighting fixture Optics 10°, 21°, 43°

Order together with the lighting fixture

DATASHEET BI

PHOTOMETRIC DATA AND ACCESSORIES

BRIGHT 1.6, CODE: CB16005SI



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