Product data sheet

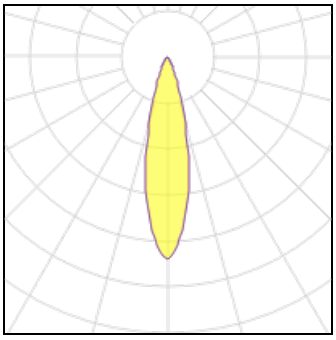
ALTOPIANO 3.1 M 24° [3000K CRI80 20W 110-230VAC]
AP3110000050ME
L&L LUCE&LIGHT



IP 66 IK 08

Altopiano 3.1 recessed for outdoor applications; recessed (ceiling); Power consumption: 20W; Power supply: 110-230Vac; Lumen output at source: 2090 lm (3000K, CRI >90), 2469 lm (3000K, CRI 80); Delivered lumen output: 1683 lm (3000K, 18°, CRI >90), 1988 lm (3000K, 18°, CRI 80); 1 COB LED, 2-step MacAdam, 60 000h L90 B10 (Ta 25°C); LED colour: 2200K, 2700K, 3000K, 4000K; Optics: 18°, 24°, 37°, 61°, 20°x72°: optical system consisting of a high-efficiency, deep-set TIR lens combined with a high-quality technical filter, diffuse: optical system consisting of a screen in frosted / transparent Plexiglas; CRI Colour Rendering Index: 80, >90; Body material: body made of heat-dissipating, carbon-fibre-reinforced semicrystalline technopolymer with a thermal conductivity equal to that of stainless steel and high resistance to impact and sub-zero temperatures, and to corrosion even in harsh environments (saline). Trim in AISI 430 stainless steel, laser cut, machined and finished, then passivated to provide corrosion resistance of more than 1500 salt spray hours; Finishes: cor-ten finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1500 hours of salt spray. Paints compliant with the Qualicoat standard used in the automotive sector, anthracite finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1500 hours of salt spray. Paints compliant with the Qualicoat standard used in the automotive sector, white finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1500 hours of salt spray. Paints compliant with the Qualicoat standard used in the automotive sector (RAL 9003), finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of primer, which enables the fixture to be painted with paints such as two-pack polyurethane varnishes and two-pack acrylic paints suitable for masonry surfaces, grey finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1500 hours of salt spray. Paints compliant with the Qualicoat standard used in the automotive sector (RAL 9006); RAL finish on request; Screen material: 4-mm-thick transparent extra-clear glass, high transmittance to ensure chromatic uniformity of light, serigraphed grey (RAL 7015), and tempered for excellent impact and scratch resistance; Seals: the silicone rubber gaskets guarantee maximum resistance to UV rays and unchanging mechanical characteristics over time; Installation: The screw fastening system leaves plasterboard panels intact during installation. Fixture body just 90 mm high for installation in shallow spaces. Trim fixed magnetically to the cover, hiding the fixing screws and leaving a clean look; power supply unit included; includes 0.50 m neoprene cable, H07RN-F 2x1.0 Ø8.0 mm; Control system: ON/OFF, DALI-2; Ingress protection: IP66; Impact resistance: IK07; UGR < 19 for 18°, 24° and 37° optics; Casambi-compatible version, controllable with the Casambi app, available on request; Operating temperature: -20°C — +45°C; Maximum device temperature: 45°C (Ta 25°C); Glow wire test: 960°; Photobiological safety: in accordance with IEC TR 62778:2014; Appliance class: class II; Weight: 800 g; Dimensions: 140x140x90 mm; Cutout dimensions: 130x130 mm; Volume of thermal heatsink: Ø320x175 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: honeycomb louvre, anti-glare shield, WCA20 Outer casing for solid walls (ceiling), WFA06 Two-pin male-female connector, WGA03 Retaining spring clip, WNAP10A0 Anti-fall kit; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Light output 1



1 x LED

Nominal lamp power	20 W	LOR	100%
Lamp flux	1983 lm	Total flux	1983 lm
Luminous efficacy	99 lm/W	Total power	20 W
CCT	3000 K		
CRI	80		

Mounting mode

Ceiling recessed

Shape and measurements

Length: 5.51 in
Width: 5.51 in
Height: 0.10 in

Adjustability

Fixed

Design

Color of housing: Silver gray, White

Electric

System power: 20 W
Appliance Class: II

Protection

IP: 66
IK: 08

Other operating numbers

Ambient temperature range: -4...113°F