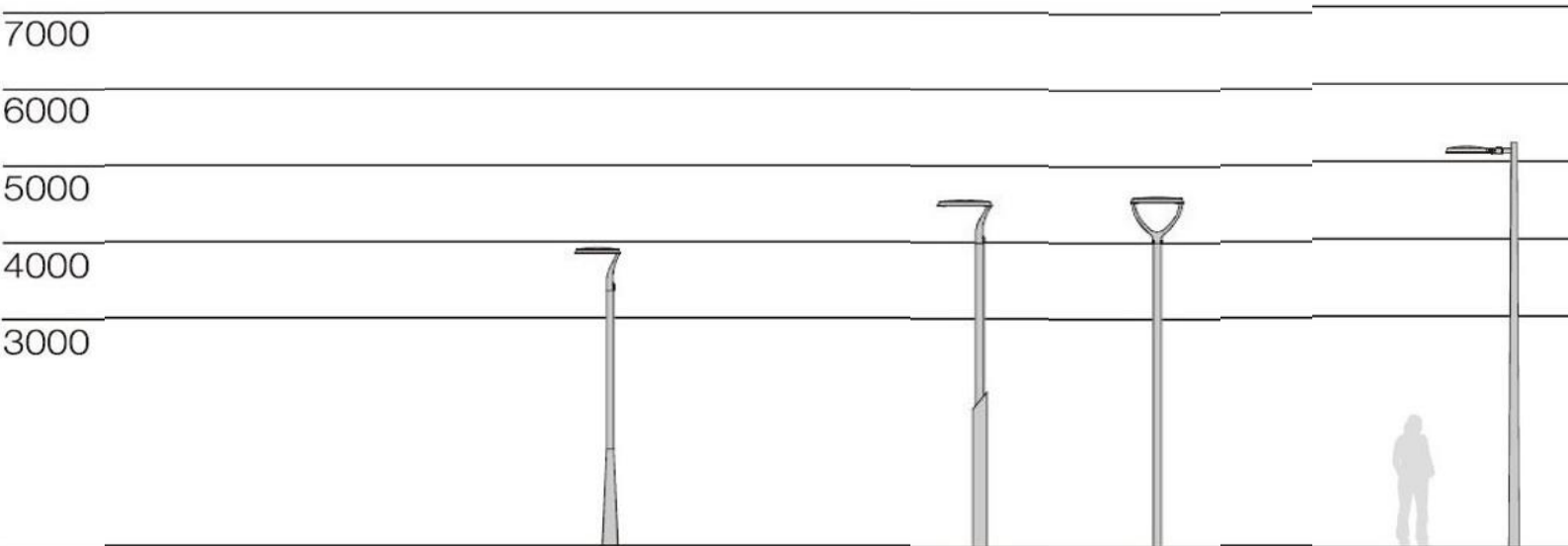


FILE LUMINAIRE PLATE SOLAR





DESCRIPTION:

The **Plate Solar** luminaires represent a modern range of LED lighting solutions, specifically designed for gardens and outdoor areas. Featuring an elegant and contemporary design, these luminaires offer a wide variety of mounting options to achieve different visual effects and adapt to diverse site configurations.



- Die-cast aluminum housing, super-white tempered glass, and white PC plastic reflector.
- PC lens optical system providing high visual comfort and uniform light distribution.
- Factory-programmed controller and motion sensor.
- Various optional mounting brackets available for different lighting configurations
- Top-entry and side-entry mounting with adjustable arm angle.
- Installation tube diameter..... Ø60 / Ø76 mm.
- UV-resistant and corrosion-resistant polyester powder coating.
- Photobiologically safe (no risk associated with infrared, blue light, or UV radiation) in accordance with EN 62471:2008.
- Compatible with remote lighting management systems.
- External screws manufactured from AISI 304 stainless steel.
- High-efficiency monocrystalline silicon solar panels.
- Lithium iron phosphate battery.

STANDARDS AND APPLICATIONS

- | | | |
|---------------------------|----------------------|------------------|
| • EN 60598-1:2015 | • EN 61000-3-3: 2013 | • EN 61547: 2009 |
| • EN 62493: 2010 | • EN 62262: 2002 | • EN 13032-4 |
| • EN 55015: 2013 | • EN 60598-2-3:2003 | • EN 62471: 2008 |
| • EN 50102:1995 + A1:1998 | • EN 61000-3-2: 2014 | • EN 61347-1 |
| • EN 61347-2-13 | | |

Specially efficient in

- | | |
|----------------|---------------------|
| • Main Avenues | • Commercial areas |
| • Roadways | • Residential Areas |
| • Gardens | • Parks |

CHARACTERISTICS

Electrical Characteristics

- Maximum voltage 18 V
- Electrical class..... Class III
- Constant Light Output (CLO)..... Available
- Battery LiFePO₄ Battery
- Driver lifetime..... 100,000 hours
- Solar panel 18 V / 25 W
- Power consumption.....12 W
- Electrical protection..... 6 kV (driver), optional 10 kV
- Thermal protection..... Self-protected driver
- Operating temperature..... -20°C to +55°C
- Driver diagnostics..... Active
- Current regulation..... Amplitude modulation (Flicker-free)

Mechanical Characteristics

- Material.... Corrosion-resistant aluminum alloy
- Lenses..... Polycarbonate / PMMA
- Weight..... 12.20 kg
- Colour..... RAL 9005
- Diffuser..... Flat tempered glass
- Installation..... Side-entry / Post-top
- Installation diameter 60–76 mm
- Wind-exposed surface area..... 0.061152 m²

Battery Characteristics

- Material..... Lithium iron phosphate
- Capacity 12 Ah
- Voltage..... 12.8 V
- Energy 154 Wh

Dimming and Control

- Dimming..... 1–10 V / DALI
- Autonomous programming...Up to 5 dimming steps
- Point-to-point control Compatible
- Centralized control..... Optional (AmpDim)
- Control line..... Optional
- Bluetooth control..... Optional

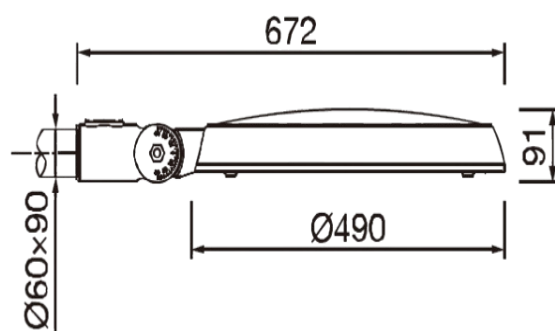
Options

- SRI.....Yes
- Surge protection.....Yes
- Connector..... Nema/ Zhaga
- Sensors.....Yes

Photometric Characteristics

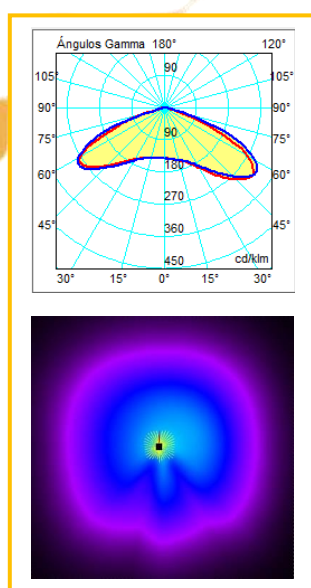
- Number of LEDs..... 56 LEDs
- Luminous efficacy..... 150 lm/W
- Luminous flux..... 1,800 lm
- CRI..... CRI >70
- Modularity..... Zhaga Book 15 compliant
- Protection..... Yes
- Lens efficiency..... >92%
- Colour Temperature (CCT)..... 3000K / 4000K
- Overtemperature protection..... NTC 15 kΩ + 2000 Ω
- Optical distributions..... More than 20 available
- ULOR..... <0.1 %
- LED lifetime..... >100,000 hours
- Lumen maintenance Linear Constant Light Output (CLO) programming over time

DIMENSIONS



OPTICAL DISTRIBUTIONS

T1B



T4B

