

40W PRO LED Solar Street Light 4500Lm

Product codes:

Reference: PL-S-40W-4K



Product features:

Power (W): 40
Color temperature CCT: 4000K
Luminous efficacy (Lm/W): 110
LED diode efficiency (Lm/W): 100
Brightness (Lm): 4000
Colour: Grey
IP: IP65
IK: IK10
Luminous angle: 120°
Measures (mm): 963x303x84mm
Material: Aluminum + PC
Operating temperature: -20°C ~ +55°C
Lifespan: 800 ciclos
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Product description:

Solar Street Light LED PRO 40W 4500Lm Professional solar LED street light integrating a lithium battery, solar panel, dusk sensor and PIR motion sensor into a single luminaire. With 40W power and 4500 lumens output, it offers a 120° beam angle for uniform, high-quality illumination.

Constructed from aluminium alloy with a silver lacquered finish for outdoor durability. Mounting on Ø60mm or Ø70mm pole (not included).

Equipped with **PHILIPS LUMILEDS SMD5050** high-efficiency LEDs (110 lm/W) and a built-in 26,000mAh Li-ion battery, 14.8V output, rated for up to 800 cycles.

Provides up to 5 nights of operation on a full charge, even on cloudy days (runtime may vary with weather, season, orientation and location).

Technical data of the Solar PRO luminaire

- Body material: Aluminium alloy + PC
- Finish: Silver lacquered
- Protection rating: IP65

- Impact resistance: IK10
- Mounting type: On Ø60/Ø70mm pole (not included)
- Recommended mounting height: 4–6 metres
- Dimensions: 770x400x32mm
- Warranty: 3 years

Luminous information

- Nominal lumens: 5450lm
- Real luminous flux: 4500Lm
- Colour temperature: Neutral white 4000K
- Beam angle: 140°
- LED type: SMD5050 PHILIPS LUMILEDS

Electrical information

- Power: 40W
- Operating temperature: -20°C to +60°C
- Electrical insulation: Class III
- Remote control: Yes (batteries included)

Battery specifications

- Battery type: LiFePO4
- Charging time: 10h
- Lifetime: 2000 cycles
- Nominal capacity: 24,000mAh
- Nominal voltage: 12.8V
- Location: Integrated in luminaire
- Removable battery: Yes
- Overcharge/discharge protection: Yes

Solar panel specifications

- Panel type: Monocrystalline
- Maximum power: 40W
- Voltage at maximum power: 18V
- Location: Integrated in luminaire

Sensor specifications

- Dusk sensor: Yes
- PIR motion sensor: Yes
- Detection angle: 120°
- Detection distance: 12m

Operating modes

- M1: Constant light at 30% + PIR 30" at 100%
- M2: 100% for 5h + 25% for 5h + PIR 30" at 100% + 70% until dawn + PIR 30" at 100%
- M3: Constant light at 70% until dawn

Up to 36 hours of continuous operation.

Product gallery:

