

## Farola Solar LED All-In-One 12W - 1560 Lúmenes

### Product codes:

Reference: FS12W

### Product features:

Power (W): 12  
Color temperature CCT: 3000K  
Color temperature CCT: 4000K  
LED: SMD2835  
LED chip brand: EPISTAR  
Brightness (Lm): 1560  
CRI: +70  
Colour: Plata  
IP: IP65  
IK: IK06  
Luminous angle: 120°  
Measures (mm): 500x330x100mm  
Material: Aluminum  
Operating temperature: -10°C ~ +45°C  
Energy efficiency 2023: A  
Lifespan: 50.000h  
Certification: CE - RoHS  
Warranty: 3 años



### Product attributes:

Color temperature CCT (°K): Warm white 3000K, Natural white 4000K

### Product description:

12W All-In-One Solar LED Streetlight - 1560 Lumens Sustainable and Efficient Lighting with Solar Energy

The **12W All-In-One Solar LED Streetlight** is an efficient and eco-friendly lighting solution, ideal for public lighting and outdoor spaces. Made from durable **aluminum** and equipped with a high-performance **Epistar LED chip**, it provides a **luminous flux of 1560 lumens** and a lifespan of up to **50,000 hours**. Its compact dimensions of **500x330x100mm** make it perfect for mounting on vertical poles of **Ø60mm**.

Integrated Solar Technology

This solar streetlight integrates an **18V 18W monocrystalline solar panel**, along with a **12.8V 6Ah 115.2Wh lithium battery**, ensuring optimal performance under sunny conditions. Thanks to its **12V 5A MPPT controller** with overload and surge protection, the charging time is reduced to just **6 hours in full sunlight**, providing up to **10 hours at 100%** and **20 hours in energy-saving mode**.

Technical Specifications

- **Power:** 12W

- **Luminous Flux:** 1560 lumens
- **Material:** Aluminum
- **LED Chip:** Epistar
- **Lifespan:** 50,000 hours
- **Dimensions:** 500x330x100mm
- **Solar Panel:** Monocrystalline 18V 18W
- **Battery:** Lithium 12.8V, 6Ah (115.2Wh)
- **Controller:** MPPT 12V 5A with protection
- **Charging Time:** 6 hours in full sunlight
- **Battery Duration:** Up to 10 hours at 100%, 20 hours in energy-saving mode
- **Optical Beam:** 120°
- **Recommended Height:** 3-4 meters
- **Installation Distance:** 8-10 meters
- **IP Rating:** IP65 (water and dust resistant)

#### Operating Mode and Motion Sensor

The **All-In-One Solar LED Streetlight** features a motion sensor that adjusts the light intensity based on detected activity. It operates at **50% power (780Lm)** constantly, and when motion is detected, the brightness increases to **100% (1560Lm)** for **30 seconds**, ensuring efficient and safe lighting.

#### Uses and Applications

This **Solar LED Streetlight** is ideal for:

- Public lighting on streets and pathways.
- Lighting for parking lots and outdoor areas.
- Gardens, parks, and recreational areas.
- Areas requiring autonomous lighting without connection to the power grid.

#### Product gallery:

