

Solar Series Area Light



The Solar Series Area Light offers unrivalled performance, thanks to a patented energy management system (EMS). The result of 10 years of research and development, the EMS guarantees optimal efficiency, 365 days a year, in any installation environment. Fully plug & play, the installation of this range of lamp posts takes simplicity to a new level. The Solar Series LED Area Light is perfect for parking lots, perimeter and general area lighting.

With patented built in intelligence, the lights gather weather data from the previous few days while constantly monitoring the amount of energy available in the battery. It automatically combines this knowledge to regulate light flow and avoid any interruption in lighting service.

SPECIFICATIONS

COMPLIANCE

Certificates

EN 13032-1; EN 13032-2; EN 13201; EN 60598-1; EN 62471 IEC 61215; IEC 61730 I and II (Solar Panel)
CE; EN61000; EN61547; EN55015; EN62493; EN 62479 EN300328; EN 301489-1 (Electronics)

OPTICAL

Configuration

Autonomous Solar Powered LED Area Light

Complete System

Solar Panel, MPPT charge controller, Energy Control Module, LED floodlight, deep cycle battery bank, Aluminum Enclosures, mounting accessories

LED Intensity Optics

High lumen LEDs rated at a minimum of 50,000 hours at 80%

LED Colour

White (Temperature options: 5,700 K, 3,000 K and 4,000 K)

Nominal Power

20W Up to 50W* (autonomy will depend on lighting power)

MECHANICAL

General Dimensions

820mm x 755mm x 105 mm

Mounting

Top on a pole, Ø60 mm

Weight

19 kg (42 lbs) without pole

Dimensions per Light Housing Assembly

812mm(l) x 762mm(w) (32 x 30 inches)

Enclosure and Mount

BS PMMA casing (100% recycled) and aluminum

Enclosure and Mount Colours

White (RAL 9010) and Black (RAL 8019)

ELECTRICAL

Power Input

NiMH battery, maintenance free, very high temperature resistance 24V (240 Wh)

Solar Panel

Monocrystalline silicon
80 Wp (2x40 Wp) with Circuit Protection Integrated

Solar Panel Dimensions

787 x 355mm (31 x 14 inches)

Connectivity

Bluetooth (Optional Remote Monitoring)

ENVIRONMENTAL

Operating Temperature

-40° to +70°C (-40°F to +158°F)

Weather Protection

IP65

WARRANTY & LIFE EXPECTANCY

Warranty

10 year

LED Life Expectancy

50 000 hours (12years)