

## Solar Series L810 Obstruction Light

COMPLIES WITH FAA AC 150/5345-43F; ICAO ANNEX 14 (LOW INTENSITY OBSTACLE LIGHT)



The Solar Series L810 omni-directional, red, steady-burning obstruction light is designed for marking tall structures such as buildings, towers, masts, cranes, meteorological towers, chimney and other airspace obstructions. The energy efficient LED light is paired with a compact solar engine that is capable of powering the light in almost any environment. As a virtually maintenance free solution, the Solar Series L810 provides years of reliable service and is a direct replacement for incandescent fixtures.

The Solar Series Power Systems are designed as a compact, all-in-one solar system, completely self contained for easy installation. The high efficiency, compact design of the Solar Series Power Systems benefits end users with a light weight, maintenance free power solution, requiring minimal surface area for installation.

The Solar Series L810 is available in single configuration and can be operated dusk to dawn or 24/7. Every system is custom designed for a specific location to ensure years of trouble-free and solar powered service.

solarseries™

### FEATURES & BENEFITS

#### INCREASE SAFETY

The ultra-efficient LED light source adds conspicuity to airspace obstacles increasing flight safety.

#### NVG FRIENDLY

The L810 light source is readily identified when using NVG equipment.

#### DECREASE COSTS

With zero electricity costs, simple installation and almost no maintenance, the Solar Series L810 quickly realizes long-term cost savings.

#### EXPERIENCE = RELIABILITY

With over 25 years experience in designing solar power systems, our solar experts will ensure a system that operates reliably, regardless of the installation location.



Web: [www.aviationrenewables.com](http://www.aviationrenewables.com)  
 Email: [arc@aviationrenewables.com](mailto:arc@aviationrenewables.com)  
 Phone: +1 (250) 590 1272

# SPECIFICATIONS

## OPTICAL

<b>Configuration</b>	Solar Powered L810, Single, Type A or Type B
<b>Output</b>	Visible and NVG-compatible
<b>Visible LED Light</b>	● Red
<b>Intensity</b>	10cd (Type A) or 32.5 cd (Type B)

## MECHANICAL

<b>Mounting Options Luminaire</b>	Mounts to 3/4" or 1" conduit
<b>Solar Power System</b>	Side of pole or pole top mount
<b>Luminaire Housing Color</b>	Red
<b>Weight &amp; Dimensions</b>	20W = 15" x 16" x 6", 25 lbs 40W = 31" x 15" x 6", 50 lbs
<b>Enclosure and Mount</b>	Aluminum

## ELECTRICAL

<b>Operating Voltage</b>	12VDC
<b>Control Options</b>	Self contained photocell FAA-approved external photocell Continuous operation
<b>Single L810 Consumption</b>	1.5 Watts
<b>Solar Panel Power</b>	20 Watts or 40 Watts
<b>Battery Size</b>	20W = 18 Ah SLA, 40W = 36 Ah SLA (3-5 years)
<b>Certification</b>	CE and TUV certified
<b>Optional Battery Upgrade</b>	16 Ah Deep Cycle, 32 Ah Deep Cycle Extended life (5-7 years)
<b>Available Housing Colours</b>	Aviation Yellow, White, Olive Drab, Black

## ENVIRONMENTAL

<b>Operating Temperature</b>	-55°C to +55°C
<b>Weather Protection</b>	Enclosure is NEMA 4, IP65

## WARRANTY & LIFE EXPECTANCY

<b>Warranty</b>	5 years on Solar System 5 years on L810 1 year on Battery
<b>LED Life Expectancy</b>	100,000 hours