

# Obstacle Light Carmanah OL800



Easy to install low-intensity solar LED obstacle light

## Description

- Easy to install low-intensity solar LED obstacle light
- Meets ICAO requirements for Low-Intensity Obstacle Lights Type A and Type B, according to ICAO Annex 14, Volume 1, 5th Edition, July 2009 and 6th Edition, July 2013 (Red).
- Compliant with Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red).

## Specifications

Characteristic	Description / Value
Optical	<ul style="list-style-type: none"> <li>• High powered LEDs meet IES LM-80 lumen maintenance consistent photometrics for life of product</li> <li>• FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red.)</li> <li>• Complies with ICAO Low-Intensity Obstacle Light Type A &amp; B - Annex 14, 5th Edition, July 2009 (Red.) and 6th Edition, July 2013 (Red.)</li> <li>• Meets requirements for CASA 10 cd (Part 139, Vol. 2)</li> <li>• ICAO, SAE25050 (FAA) and FAA EB 67 compliant chromaticity: Red, Green, White and Yellow</li> <li>• Steady-on and 250+ flash patterns</li> </ul>
Energy collection	Best in-class high efficiency solar cells with blocking diodes Maximum power point tracking with temperature compensation (MPPT-TC)
Energy storage	EnerSys CYCLON pure-lead VRLA AGM battery -65 ... +80°C manufacturers operating range On-board battery status; optional port for battery charging Designed for 5 year battery life, replaceable and recyclable
Energy Management System (EMS)	Intelligent, microprocessor On-board diagnostics and data logger

Characteristic	Description / Value
Automatic Light Control (ALC)	Adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation
Programming	Programmable with optional infrared programmer or via integrated 4-character LED display
GPS synchronisation	Optional GPS enables two or more lights to flash in unison
Construction	Premium grade UV-resistant, polycarbonate lens/head Polycarbonat/polysiloxane co-polymer base Environmentally friendly, durable powder coated aluminium chassis Thermoplastic gaskets Waterproof, vented battery compartment
Operating temperature	-30 ... +50°C (optimal); -40 ... +80°C (maximum)
Mounting	3 or 4, 7.87" (200 mm) bolt circle mounting pattern
Wind load	70 m/s
Ice load	22 kg/m <sup>2</sup>
Weight	10.2 kg
Manufacturer	Carmanah Technologies

## Instructions

### Programming & Configuration Options

