

THE NEW BENCHMARK FOR LOW-INTENSITY SOLAR LED OBSTRUCTION APPLICATIONS IN AN EASY-TO-INSTALL, LOW-MAINTENANCE PACKAGE.

- Automated dusk to dawn operation
- Visible and IR modes available
- Proven technology platform

MODEL

OL32

SOLAR LED OBSTRUCTION LIGHT

COMPLIANT WITH OBSTRUCTION LIGHT TYPE L-810 AS PER FAA ADVISORY CIRCULAR AC 150/5345-43F 09/12/06 (RED)

CERTIFIED TO MEET THE REQUIREMENTS OF THE LOW-INTENSITY OBSTACLE LIGHT TYPE A, ACCORDING TO ICAO ANNEX 14, VOLUME 1, FIFTH EDITION, JULY 2009 (RED)

- **Innovative design:** takes advantage of the latest technical developments in optics and increased output. The OL32 also comes with the industry's only scalable solar engine for cost-effective and reliable performance in a wide range of locations.
- **Industry compliant:** provides ICAO Type B / FAA L810 intensities of visible light or can be switched to infrared (IR) light for night vision goggle (NVG) operations. The OL32 is also capable of simultaneous visible/IR modes.
- **Installs in minutes, easily maintained:** self-contained design requires no external components and supports multiple bolt patterns for simplified installation. The light operates automatically from dusk-to-dawn and also includes an external programming switch for simplified activation and programming. Replaceable battery pack ensures extended product life beyond five years.
- **Designed and tested to the toughest industrial standards:** MIL-STD-202G: Humidity, Immersion, Vibration, Shock; MIL-STD-810G: Solar Radiation, Salt-Fog; EN 60945: ESD, EMI, EMC; IP68; L70. The OL10A is acceptable for barricade and construction applications at Commercial Part 139 Airports under FAA Advisory Circular AC 150/5370-2E. The OL10A Blue is compliant with the requirements of ICAO Annex 14, Volume 1, Fourth Edition dated July 2004.
- **Green solution:** a clean, renewable and reliable energy source with recyclable batteries. RoHS compliant.

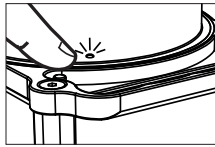
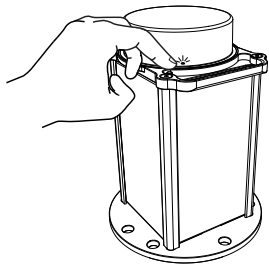


Standard Solar Engine



High-Performance Solar Engine





Push button interface
On-board diagnostics
Output mode selection

MODEL

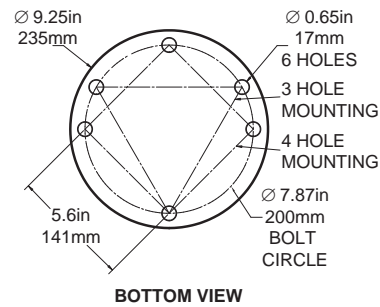
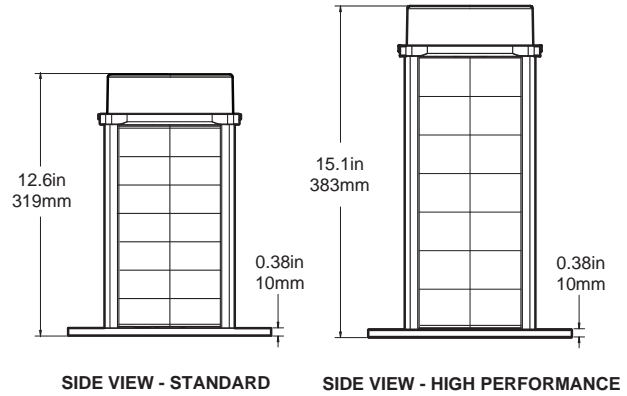
OL32

SOLAR LED OBSTRUCTION LIGHT

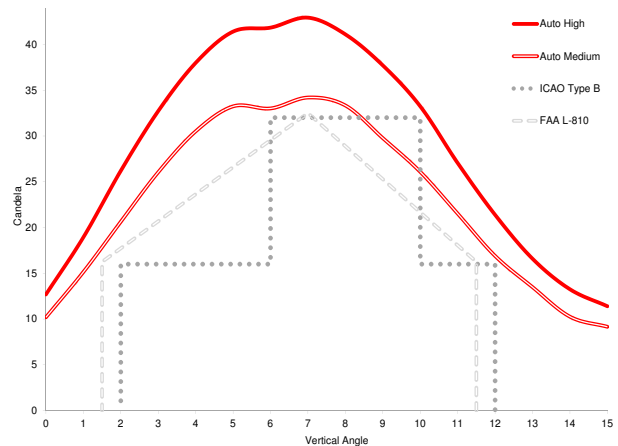
SPECIFICATIONS

	<p>FAA: Meets Obstruction light Type L-810 as per FAA Advisory Circular AC 150/5345-43F 09/12/06 (Red)</p> <p>ICAO: Complies with the requirements of the Low-Intensity Obstacle Light Type A and Type B according to ICAO Annex 14, Fifth Edition, July 2009 (Red)</p>
Optical	<p>High-power LEDs meet IES LM-80 lumen maintenance, ensuring consistent photometrics for life of product</p> <p>ICAO, SAE25050 (FAA), and FAA EB 67 compliant chromaticity</p> <p>NVG-compatible infrared (IR) LEDs</p> <p>Steady-on and flash patterns</p>
Energy Collection	<p>High-efficiency cells with blocking diodes</p> <p>Maximum power point tracking with temperature compensation (MPPT-TC) for optimal energy collection in all solar conditions</p>
Energy Storage	<p>Pure-lead VRLA AGM battery with manufacturer operating range -85 to 176 °C (-65 to 80 °C)</p> <p>On-board battery status</p> <p>Designed for 5 year battery life; Replaceable and recyclable</p> <p>Port for battery charging and cabled operation</p>
Energy Management System (EMS)	<p>Intelligent, microprocessor EMS</p> <p>On-board diagnostics and datalogger</p> <p>Push button interface for local control</p> <p>Autonomous, Temporary, and Emergency Modes</p>
Automatic Light Control (ALC)	<p>ALC adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation</p>
Construction	<p>Premium, UV-resistant polycarbonate lens</p> <p>Powdercoated aluminum chassis with integrated handle</p> <p>Waterproof, vented battery compartment</p>
Temperature	<p>-22 to 122 °F (-30 to 50 °C) ambient</p> <p>-40 to 176 °F (-40 to 80 °C) storage</p>
Weight	<p>Standard Engine: 17 lbs (7.7 kg)</p> <p>High-Performance Engine: 26 lbs (11.8 kg)</p>
Wind & Ice Loading	<p>400 mph (179 m/s) wind; 0.03 psi (22 kg/m²) ice</p>
Shock & Vibration	<p>MIL-STD-202G and MIL-STD-810G</p>
Ingress	<p>EN 60529 IP 67 immersion</p> <p>MIL-STD-202G immersion & damp heat cycling</p> <p>MIL-STD-810G rain & salt fog</p>
Electrostatic Discharge (ESD)	<p>FAA-STD-019E, EN 61000-4-2</p>

DIMENSIONS



PHOTOMETRICS



CONFIGURATION

MODEL ▼	ENGINE ▼	OUTPUT ▼	SWITCH ▼	CONTROL ▼	CHASSIS ▼
OL32	STANDARD HIGH-PERF.	RED / IR	SWITCHED	NON-WIRELESS	YELLOW

Specifications may be subject to change
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US Patent No 6,573,659. Other patents pending. "Carmanah" and Carmanah logo are trademarks of Carmanah Technologies Corp.