



carmanah®
we put solar to work

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 OL32 is acceptable for barricade and construction applications at Commercial Part 139 Airports under FAA Advisory Circular AC 150/5370-2E.
- **Green solution:** a clean, renewable and reliable energy source with recyclable batteries. RoHS compliant.

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

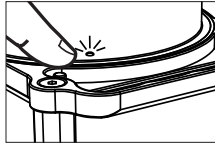
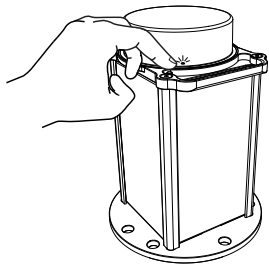


Standard Solar Engine



High-Performance Solar Engine





Push button interface
On-board diagnostics
Output mode selection

MODEL

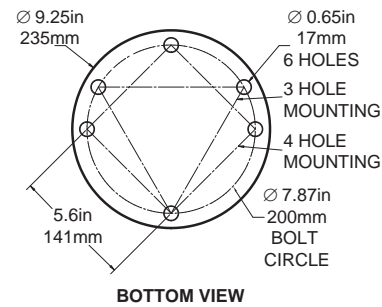
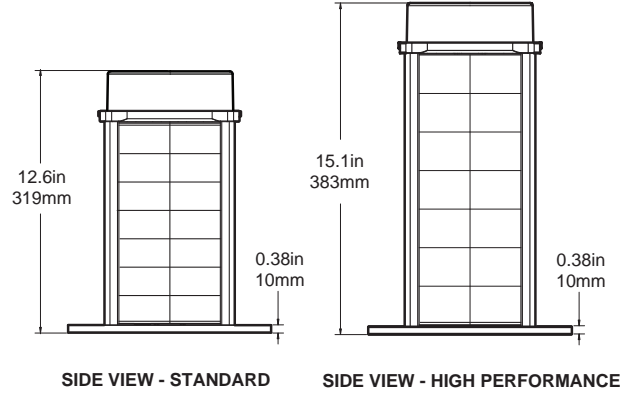
OL32

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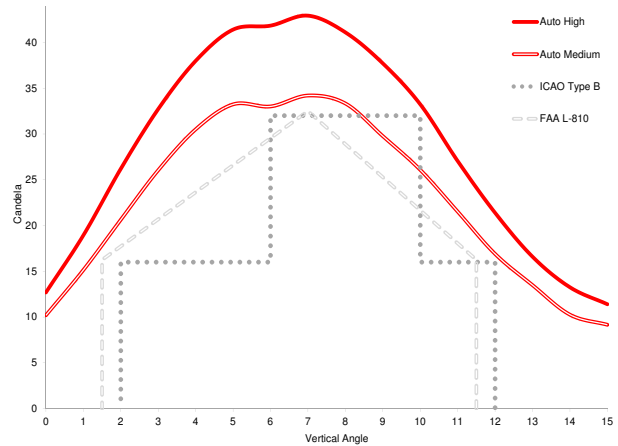
SPECIFICATIONS

Optical	FAA: Meets Obstruction light Type L-810 as per FAA Advisory Circular AC 150/5345-43F 09/12.06 (Red)
	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)
	High-power LEDs meet IES LM-80 lumen maintenance, ensuring consistent photometrics for life of product
	ICAO, SAE25050 (FAA), and FAA EB 67 compliant chromaticity
	NVG-compatible infrared (IR) LEDs
Energy Collection	Steady-on and flash patterns
	High-efficiency cells with blocking diodes
Energy Storage	Maximum power point tracking with temperature compensation (MPPT-TC) for optimal energy collection in all solar conditions
	Pure-lead VRLA AGM battery with manufacturer operating range -85 to 176 °F (-65 to 80 °C)
	On-board battery status
Energy Management System (EMS)	Designed for 5 year battery life; Replaceable and recyclable
	Port for battery charging and cabled operation
	Intelligent, microprocessor EMS
	On-board diagnostics and datalogger
Automatic Light Control (ALC)	Push button interface for local control
	Autonomous, Temporary, and Emergency Modes
Construction	ALC adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation
	Premium, UV-resistant polycarbonate lens
	Powdercoated aluminum chassis with integrated handle
Temperature	Waterproof, vented battery compartment
	-22 to 122 °F (-30 to 50 °C) ambient
Weight	-40 to 176 °F (-40 to 80 °C) storage
	Standard Engine: 17 lbs (7.7 kg)
Wind & Ice Loading	High-Performance Engine: 26 lbs (11.8 kg)
	400 mph (179 m/s) wind; 0.03 psi (22 kg/m ²) ice
Shock & Vibration	MIL-STD-202G and MIL-STD-810G
	EN 60529 IP 67 immersion
Ingress	MIL-STD-202G immersion & damp heat cycling
	MIL-STD-810G rain & salt fog
	Electrostatic Discharge (ESD) FAA-STD-019E, EN 61000-4-2

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.