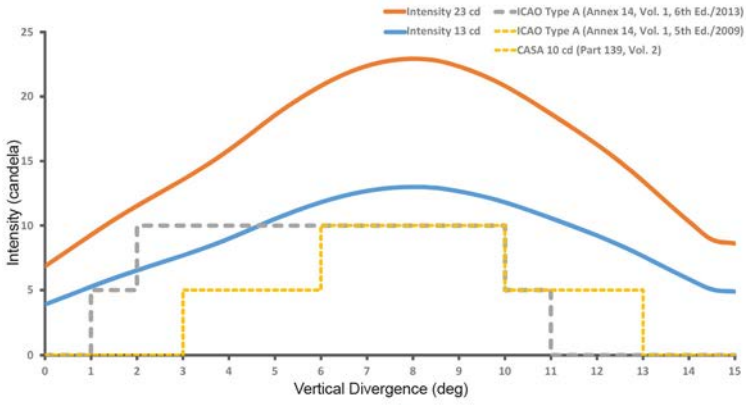
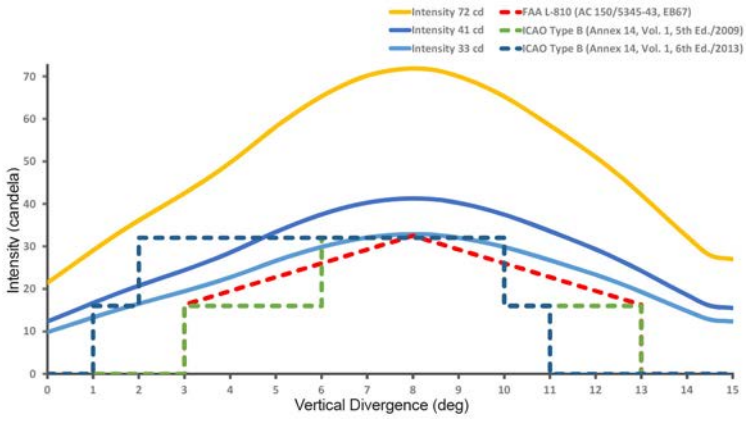
Obstacle Light Carmanah OL800 M91210

- **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).**

PEAK INTENSITY	
COLOUR	INTENSITY
Red	209 cd
Green	287 cd
White	374 cd
Yellow	319 cd





Intuitive Setup & Programming
- Top-mounted LED display with simple "tap to activate" functionality
- Easily check light settings without external controller
- Programmable with optional IR remote

Scalable, Cost-effective Design
- Customizable for best value-for-performance
- Multiple battery pack options

Intelligent Energy Management
- Best-in-class, high-efficiency solar panels
- Maximum Power Point Tracking (MPPT)
- Patented Energy Management System (EMS)
- Ensures maximum battery life and light performance in even the harshest of environments

Durable, Low Maintenance
- Compact, stand-alone, maintenance-free unit
- Integrated solar panels, battery, electronics and LED light source
- Replaceable battery extends life beyond five years

Trusted
- Thousands of installations worldwide
- Carmanah solar LED lights operate year-round at permanent and temporary installations

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measuring wind and solar power
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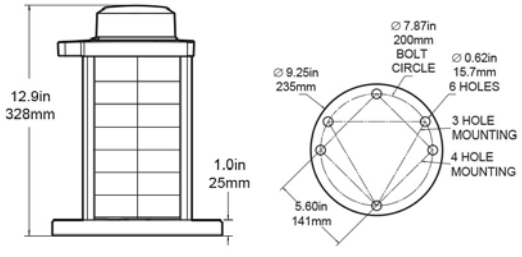
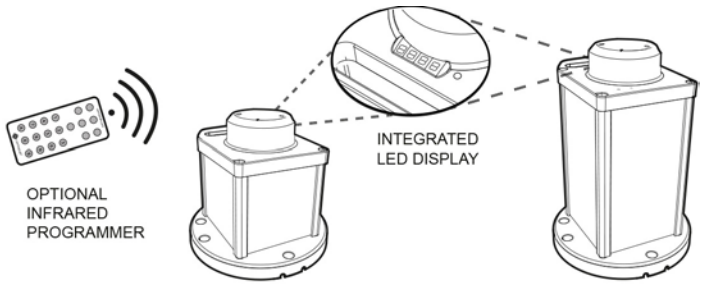
Specifications

Characteristic	Description
Optical	• High powered LEDs meet IES LM-80 lumen maintenance consistent photometrics for life of product • FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red.) • Complies with ICAO Low-Intensity Obstacle Light Type A & B - Annex 14, 5th Edition, July 2009 (Red.) and 6th Edition, July 2013 (Red.) • Meets requirements for CASA 10 cd (Part 139, Vol. 2) • ICAO, SAE25050 (FAA) and FAA EB 67 compliant chromaticity: Red, Green, White and Yellow • Steady-on and 250+ flash patterns
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
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 va 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/m²
Weight	10.2 kg
Manufacturer	Carmanah Technologies

Dimensional Drawings



Programming & Configuration Options



Last Modification: 22 November 2016

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