

MODEL

R247-E

24-HOUR SOLAR FLASHING BEACON

24 Hour Flashing Beacon for Warning Signs and Stop Signs

Ultra-efficient solar technology delivers high intensity light output in a compact, lightweight, and easy to install solar engine.

High Intensity Light Output

The R247-E provides a high intensity 24 hour flashing beacon that provides year round performance in the most challenging solar conditions. An ultra-efficient energy management system coupled with the latest LED technology delivers a high intensity, continuous flash output.

Easy Installation

With its highly efficient and compact design, installation is quick and uncomplicated, dramatically reducing installation costs. Retro-fitting can be done where existing sign bases are used to enhance existing marked crosswalks in minutes, and new installations can be completed without the cost of larger poles and bases.

Advanced User-Interface

The R247-E features an on-board user interface and display that provides quick configuration and status monitoring.

Reliable

Designed with Carmanah's industry leading solar modeling tools to provide dependable year-after-year operation.

Trusted

With thousands of installations in the field, Carmanah solar beacons and solar LED lights have become the benchmark in traffic applications and other transportation applications worldwide.

The R247-E is the standard for 24 Hour Flashing Beacons:

- Industry leading light output
- Compact, lightweight design to simplify installation
- Proven technology platform
- MUTCD Compliant



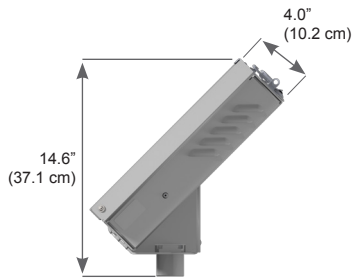
Carmanah is backed by a worldwide network of distribution partners.

REPRESENTED IN YOUR REGION BY:

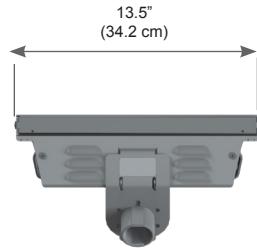


DIMENSIONS

Engine Side View



Engine Bottom View



APPLICATIONS



Stop Beacon
(Red Indication)



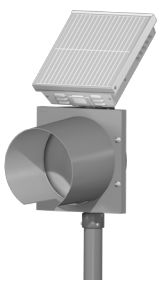
Warning Beacon
(Yellow Indication)

MOUNTING OPTIONS

2.0" - 2.5" Perforated
Square Post Mount



2.38" - 2.88" Diameter
Round Post Mount



4.0" - 4.5" Diameter
Round Post Mount



Wood Post Mount



Side Post Mount



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SPECIFICATIONS

On-Board User Interface (OBU)	Adjustable, auto-scrolling LED display
	Ambient auto-adjust configuration
	Night dimming configuration
	System test, status and fault detection
Optical	MUTCD Compliant*
	ITE VTCSH LED circular signal supplement standard
	12" (300mm) diameter LED module, yellow or red Dominant wavelength: 590 nm (yellow), 625 nm (red)
Energy Collection	10 Watt high-efficiency photovoltaic cell with blocking diodes Maximum power point tracking with temperature compensation (MPPT-TC) for optimal energy collection in all solar conditions
Energy Storage	Replaceable, recyclable best in-class 12V dual battery system. Sealed, maintenance-free.
	Designed for minimum 5 year battery life
	Lightweight for ease of handling Quick connect terminals and strapping for efficient installation
Solar Engine Construction	Weatherproof, vented solar engine enclosure for ambient air transfer (NEMA 3R)
	Hinged access lid for access to on-board user interface and batteries
	Compact, lightweight aluminum housing
	Top of pole mounting to standard 2" sign posts and 4" poles
	Pre-wired assembly designed to minimize installation time Weight: 19.8 lb (9 kg) including batteries
Operating Performance	Rated for operation 24 hours per day, year-round with a minimum of .94 sun hours
Warranty	3-year limited warranty

* Meets all requirements for design, illumination, and colour of signal sections required by 2009 MUTCD, Chapter 4L, Flashing Beacons (MUTCD: Manual on Uniform Traffic Control Devices).



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

US Patent No 6,573,659, Other patents pending. "Carmanah" and Carmanah logo are trademarks of Carmanah Technologies Corp.

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