

MODEL

R247 SERIES

24-HOUR SOLAR LED FLASHING BEACON

Typical Applications:

- Warning signs
- Stop signs
- Railway crossings
- Median markers
- Hazard markers
- Bridge/tunnel entrance markers

Improves Safety

- Flashes 24 hours per day, 365 days per year
- Improves driver awareness by increasing sign visibility
- Enhances safety for a broad range of roadway treatments

Reliability Assured

- Core energy management system ensures operation; even during periods of cloud cover
- Turn-key system custom configured for optimum performance based on location, solar insolation and desired operation

Cost-Effective Solution

- No trenching, wiring or digging required
- "Plug-and-play" installation for reduced disruption to traffic
- Cabinet-free, sturdy design inhibits vandalism

Easy Installation and Operation

- Installs to existing sign posts within thirty minutes
- Easy to relocate and repurpose to other locations

Quality Ensured

- Manufactured in accordance with ISO 9001:2008
- Designed and assembled in North America
- Backed by a 3-year limited warranty



INSTALLATIONS AND APPLICATIONS



REDUCE SPEED MARKER -
FREMONT, CA



INTERSECTION AHEAD -
FRESNO, CA

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- or call +1.250.380.0052 (toll-free US & Canada 1.877.722.8877)

REPRESENTED IN YOUR REGION BY:

MOUNTING EXAMPLES

SINGLE BEACON (C-Compact)

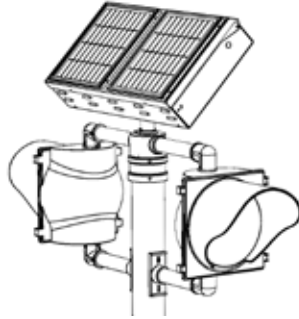
Single - Pole Mount (Square/Round)



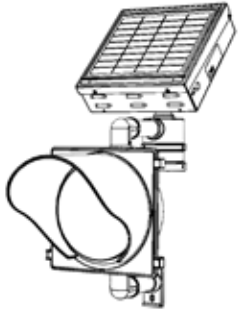
Single - Top of Pole Mount

DUAL BEACON

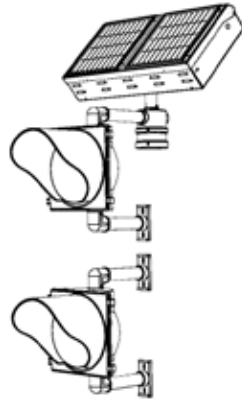
Dual - Horizontal Top Pole Mount



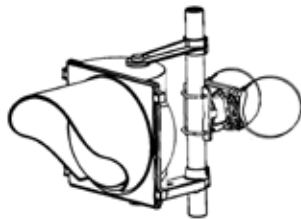
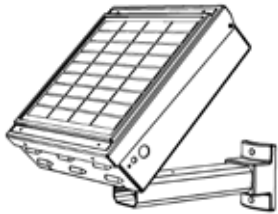
Dual - Vertical Top Pole Mount



Single or Dual - Side of Pole Mount



Single or Dual - Mast Arm Mount



* OTHER MOUNTING OPTIONS AVAILABLE
PRODUCT MAY NOT BE EXACTLY AS SHOWN

COMPONENT	DIMENSION		
	Length	Width	Height
Single Beacon	25.0" (635 mm)	15.0" (381 mm)	33.5" (851 mm)
10 W Engine	15.0" (381 mm)	14.8" (376 mm)	4.8" (121 mm)
20 W Engine	15.75" (401 mm)	29.3" (743 mm)	6.0" (151 mm)

* Dimensions may vary based on pole selection, 45° tilt and beacon configuration



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Document: TRAF_R247_SpecSheet_RevL

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

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24-HOUR SOLAR LED FLASHING BEACON

OPERATION

Flash pattern
MUTCD* compliant
Alternate, unison, and quick-flash

LED SIGNAL MODULE

Standard
ITE VTCSH LED circular signal supplement

Size and LED colour
12" (305 mm) diameter amber or red
8" (203 mm) diameter amber

ENVIRONMENTAL

Operating temperature range
5 to 122° F (-15 to 50° C)

ENERGY MANAGEMENT SYSTEM

Autonomous profile
24/7

Capacity without solar charging
Up to 30 days (location dependant)

Battery lifespan
3 – 5 years (field replaceable)

Automatic light control (ALC)
Systems continue to provide useful light during extreme conditions that prevent charging over an extended period of time

MOUNTING HARDWARE

Bracket options for standard sign posts
1.75" (45 mm) square tetspar, 2 3/8" (60 mm) round, 4 1/2" (114 mm) round
Pelco traffic signal mounting hardware

Colour
Black, yellow or green

COMPONENTS

Solar Panel
High-efficiency 10 W (C-Compact) or 20 W panel

Battery
Replaceable, recyclable best-in-class battery pack. Sealed, maintenance-free.

Light Source
Ultra-bright LEDs featuring innovative optic and lens design for optimum light divergence

Construction
Fully self-contained weather, corrosion and vandal-resistant unit with premium-grade UV-resistant head.

QUALITY STANDARDS

Quality certification
ISO 9001:2008 Certified Manufacturer

Certification
NCHRP 350, FDOT, system compliant with Buy American Act

WARRANTY

Term
3-year limited warranty (including batteries)

* Meets all requirements for design, illumination, and colour of signal sections required by MUTCD, chapter 4D.18

MUTCD: Manual on Uniform Traffic Control Devices

Performance is tied to solar availability and geographic location.
All specifications are subject to change without notice.