



R247-G

24-HOUR SOLAR LED FLASHING BEACON

24-Hour Solar Flashing Beacon for Warning Signs and Stop Signs

- Delivers industry-leading high-intensity light output
- Solar-powered ITE Intensity compliant system
- Solar panel and battery sized to meet site-specific demands
- Proven technology platform
- MUTCD compliant

High Intensity Light Output

The R247-G 24-hour flashing beacon meets ITE Intensity requirements and provides year-round performance in the most challenging solar conditions. An ultra-efficient Energy Management System (EMS) coupled with the latest LED technology delivers a high-intensity, continuous flash output.

Configurable

With a variety of solar panel and battery options available, systems can be easily tailored to meet application requirements. The R247-G is custom-configured for optimal performance based on location, solar radiation and application requirements. It is designed to withstand vandalism and extreme weather.

Advanced User-Interface

The R247-G features an On-Board User Interface (OBU) and display that provides quick configuration and status monitoring.

Reliable

Designed with Carmanah's industry-leading solar modeling tools to ensure dependable year-round operation. The purpose-built EMS provides reliable operation, even in challenging solar conditions.

Cost-effective Solution

Solar eliminates the costs of trenching, wiring and grid power connections. Quick installation minimizes traffic disruptions. Low maintenance for reduced servicing cycles and zero operational costs.

Trusted

With thousands of installations, Carmanah solar flashing beacons and solar LED products have become the benchmark in traffic and signaling applications worldwide.



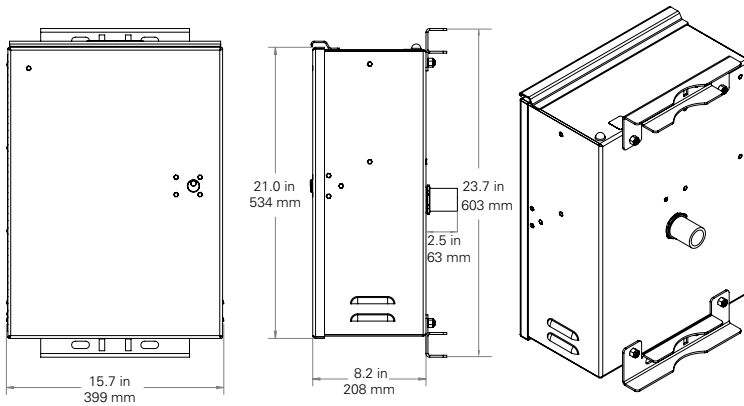
Note: cabinet can be mounted at different heights and orientations.

REPRESENTED IN YOUR REGION BY:

R247-G

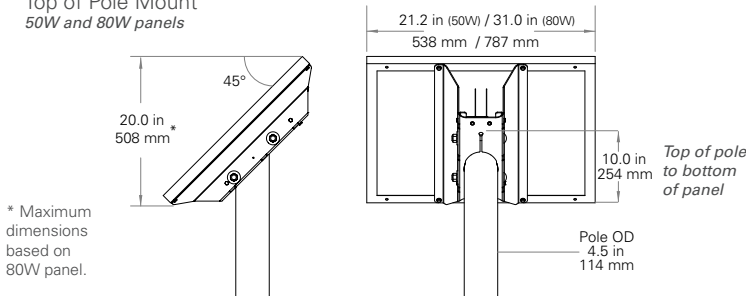
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CABINET DIMENSIONS

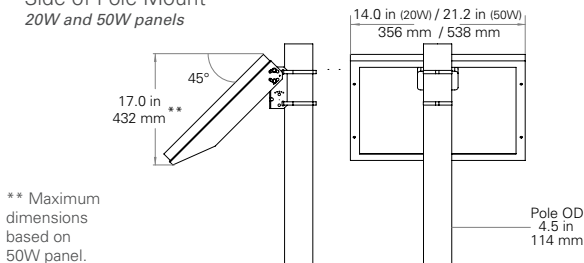


SOLAR PANEL MOUNTS

Top of Pole Mount 50W and 80W panels



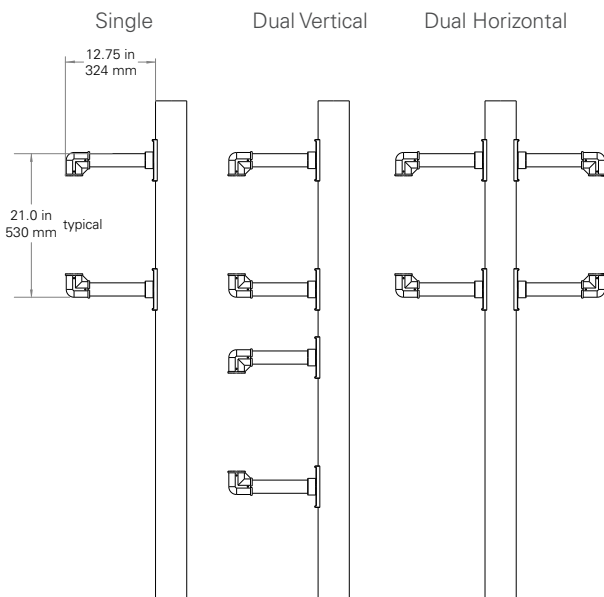
Side of Pole Mount 20W and 50W panels



* Maximum dimensions based on 80W panel.

** Maximum dimensions based on 50W panel.

FIXTURE MOUNTS



SPECIFICATIONS

On-Board User Interface (OBU)	Adjustable system settings with auto-scrolling LED display
	Night-dimming configuration (yellow beacons)
	System test, status and fault detection
Optical	MUTCD Compliant*; alternate and unison flash pattern
	ITE-VTCSH** LED circular signal supplement standard compliant including intensity
	Single or dual 12 in (305 mm) or 8 in (203 mm) diameter LED modules, yellow or red
Energy Collection	Dominant wavelength: 590 nm (yellow), 625 nm (red)
	High-efficiency photovoltaic module: 20, 50 or 80 watts
	Maximum Power Point Tracking with Temperature Compensation (MPPT-TC) for optimal energy collection in all solar conditions
Energy Storage	Rated for operation 24 hours per day, year-round when configured for the location
	Replaceable, recyclable best-in-class 12V battery system; Sealed, maintenance-free
Cabinet Construction	Battery sizes: 33, 75, 100 Ah
	Weatherproof, vented screened cabinet for ambient air transfer (NEMA 3R)
	Stainless steel hinged door with industry standard #2 lock
	Side of pole mounting to standard 4.5 in (114 mm) outside-diameter poles
	Color: black or natural aluminum finish
Environmental	Pre-wired assembly designed to minimize installation time
	System operating temperature (excluding battery): -40 to 176°F (-40 to 80°C)
Warranty	Battery operating temperature: -40 to 162°F (-40 to 72°C)
	5-year limited warranty

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

** Meets ITE Intensity when configured and applied as recommended.



All Carmanah products are manufactured in facilities that are certified to ISO quality standards.



Specifications subject to local environmental conditions. Specifications may be subject to change.

US Patent No 6,573,659, Other patents pending.

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