

Carmanah

Solar-Powered School Zone Beacon

SOLAR ROADWAY LIGHT

Typical Applications

- Time activated school zone flasher

Features & Benefits

- MUTCD and ITE compliant
- Preprogram in the office, upload on site
- Upload a full year of date/time operation data for maintenance free use
- Excellent performance with visibility up to 0.5 mile (0.8 km) during the day and 7 miles (11 km) at night
- Manual override for last minute operational changes (IE: special events outside regular school hours)
- Completely self-contained with no external wiring
- No external power required
- No control cabinet required
- Installation requires no trenching, cabling or disruption to traffic flow
- Low capital cost compared to traditional hardwired systems
- Uses LEDs (light emitting diodes) instead of traditional incandescent bulbs
- Charges under all types of weather conditions
- Designed to operate reliably throughout North America
- Provides up to five years of operation with no maintenance or servicing
- Up to 30 days operating capacity from a full charge
- Manufactured under ISO9001 Quality Assurance Standards
- 30 day satisfaction guarantee and three year warranty

For more information, visit www.roadlights.com

365 day schedule programmed on a laptop, uploaded via wireless link (at site)

Integrated solar panels can be optimally oriented towards the sun.

All batteries and electronics are contained within the top housing and out of harm's way.

12" yellow lens.

Uses arrays of high-intensity LEDs (light emitting diodes) - no bulbs to replace...ever.

The Carmanah Model R829 is a solar-powered, Self-contained programmable school zone flasher. Using LED illumination, the unit is designed to operate reliably with no scheduled maintenance for up to 5 years.

Introduction

Combining advanced electronics and software with an innovative, patented combination of solar-power and LED technology, the Model R829 is the most advanced school zone flasher available.

Unlike programmable time clock systems, the R829 is programmed on a intuitive windows-based graphical user interface, and the settings can be easily transferred to multiple R829 units. Uploading is effortless on site with the wireless link. Programs for multiple schools can be easily programmed and copied, avoiding repetitive programming of each time clock. The product has been designed to operate reliably under all environmental conditions at most locations in North America.

Significant savings are achieved through the installation of the R829, as the unit requires no external power. No trenching, cabling or disruption to traffic flow. Even the process of obtaining power connection permits is avoided.

Proven Platform Technology

With more than 100,000 units installed in 110 countries since 1993, Carmanah is a leader in solar LED technology and has proven its products to be more durable and reliable than anything comparable on the market.

30-Day Risk-Free Evaluation

Order an R829 today and evaluate the product's quality, performance and reliability for yourself. If you are not fully satisfied, you can return it for a full refund.

No external wiring, no battery or bulb replacement, no maintenance, no worries...



Model R829

THE LEADER IN SOLAR LED LIGHTING SOLUTIONS





Solar-powered School Zone Beacon

SPECIFICATIONS

OPERATION

Flash pattern	MUTCD compliant
Activation	MUTCD compliant

LED SIGNAL MODULE

Standard	ITE VTCSH-STD Part 2 Compliant*
Size	12" (300 mm) diameter

ENVIRONMENTAL

Optimal ambient range	-20° to +25° C (-4° to 77° F)
Maximum ambient temperature range	-40° to +80° C (-40° to 176° F)
Solar requirements: maximum installation latitude	55 Deg N / S

ENERGY MANAGEMENT SYSTEM

Battery lifespan	5-8 years (field replaceable)
Operation capacity without solar charging	30 days
Daily operation profile	up to 12 hours per day

WIRELESS COMMUNICATIONS

Activation	Upload activation schedule for up to 500 days Download schedule for verification
Frequency	900 Mhz FHSS (frequency hopping spread spectrum)
Effective range	165 ft/ 50 m line of sight

MOUNTING HARDWARE

Standard	Pelco traffic signal mounting hardware
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QUALITY STANDARDS

Quality qualification	ISO 9001:2000 Certified Manufacturer
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WARRANTY

3 year pro-rated warranty on entire system including batteries

* Actual intensity less than ITE specification
All specifications are subject to change without notice.

A flexible design means the R829 can be configured as required:

- Vertical dual flasher
- Horizontal dual flasher
- Bi-directional

For extra clearance, security and flexibility, the top solar housing can be mounted on any length pole, independent of the signal heads



Carmanah

Contact:
Roadways Division
Carmanah Technologies Inc.
Building 4, 203 Harbour Road
Victoria, British Columbia
Canada V9A 3S2

Toll-Free: 1-877-722-8877
General: (250) 380-0052
Fax: (250) 380-0062
E-mail: info@roadlights.com
URL: www.roadlights.com

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