MUTCD-compliant, pedestrian-activated warning beacon for uncontrolled marked crosswalks

- The R920-F is the benchmark for Rectangular Rapid Flashing Beacons (RRFBs)
- Ultra-efficient optics and Energy Management System (EMS)
- Compact design to simplify installation
- Proven technology platform
- Meets and exceeds MUTCD requirements, including IA-21

RRFBs have been found to provide vehicle yielding rates between 72 and 96 percent for crosswalk applications, including 4 lane roadways with average daily traffic (ADT) exceeding 12,000*.

**Superior Design and Technology**
The R920-F utilizes a self-contained solar engine integrating the Energy Management System (EMS) with an on-board user interface, housed in a compact enclosure together with the batteries and solar panel. A larger solar engine enables the R920-F to work with audible push button stations, passive activation sensors, and remote monitoring, as well as operate at higher intensities and increased activations in challenging environments.

**Easy Installation**
With its highly efficient and compact design, installation is quick and uncomplicated, dramatically reducing installation costs. Retrofitting 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, new bases, and trenching.

**Advanced User-Interface**
The R920-F comes with an on-board user interface for quick configuration and status monitoring. It allows for simple in-the-field adjustment of flash pattern, duration, intensity, ambient auto adjust, night dimming, and many more. Settings are automatically sent wirelessly to all units in the system.

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

**Trusted**
With thousands of installations, Carmanah’s beacons are the benchmark in traffic applications and other transportation applications worldwide.

* U.S. Department of Transportation Federal Highways Administration; Publication No. FHWA-HRT-10-043 - “Effects of Yellow Rectangular Rapid-Flashing Beacons on Yielding at Multilane Uncontrolled Crosswalks”
R920-F
RECTANGULAR RAPID FLASHING BEACON

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DIMENSIONS

SOLAR ENGINE MOUNTING

LIGHT BAR CONFIGURATION

IN-THE-FIELD AIMING

Specifications subject to local environmental conditions, and may be subject to change. All Carmanah products are manufactured in facilities that are certified to ISO quality standards. US Patent No 6,573,659. Other patents pending. “Carmanah” and Carmanah logo are trademarks of Carmanah Technologies Corp. © 2018, Carmanah Technologies Corp. Document: SPEC_TRA_R920-F_RevA