



LED RECTANGULAR RAPID-FLASH BEACON (RRFB)

Increased Conspicuity for Pedestrian Crossings and School Zone Crossings

- Increases driver yielding rates
- More effective than round beacons
- Solar = Zero operating costs
- No maintenance required
- Clean, uncomplicated installation
- LED Indicators for pedestrians
- Retrofittable from round beacons
- BlinkSync™ wireless synchronization
- Pedestrian activated
- Day-Viz™ Automatic LED Brightness



Research shows that RRFBs produce the highest yielding rate of all devices that do not feature a red display, higher rates than a regular round beacon, and at a lower cost than other devices that produce similar vehicular yield rates.

APPLICATIONS

- School Crossings
- Pedestrian Crossings
- Roundabouts

BENEFITS

- Significantly higher driver awareness and compliance
- Hi-intensity LEDs command attention, both day and night
- Increased visibility

FEATURES

- Multiple units are wirelessly synchronized, flash in unison
- Day-Viz™ circuitry monitors ambient light levels and adjusts the LED output automatically for maximum visibility & battery efficiency
- Installation onto new or existing sign poles
- Stand-alone, self-powered remote pushbutton bollard available (see below, inset)



Multiple Solar-Powered beacons flash in unison, wirelessly synchronized by BlinkSync technology



Standard Specifications for RRFB System	
Rectangular Rapid-Flash Beacon	
MUTCD Approval, Optional Use of RRFB	Interim FHWA Approval Memorandum (1A-11)
Housing	Powder coated aluminum
LED Modules (2 per direction)	6 amber LED array, ~ 5" x 2", SAE J595 certified
Flash Pattern	MUTCD recommended 'wig-wag' flash pattern
Mounting Hardware (enclosed)	Stainless steel u-bolts for 4" to 4½" O.D. pole
Solar System	
Housing	NEMA 4 rated fiberglass cabinet with lockable clasps
Solar Panel (25.75" x 25.25" x 1.4375")	55 watt solar panel set at 40° or 60°. Conforms to IP-67. Includes aluminum mounting bracket for 4" to 4½" O.D. pole.
Batteries (one per assembly)	12V, 40AH Sealed Gel battery requires no periodic watering. Sealed construction eliminates corrosive acid fumes and spills.
Battery Lifespan	Up to 3 years
Autonomy	Up to 30 days without sun
Control Circuit	IP-67 NEMA rated enclosure, dustproof and waterproof in water up to 3' for 30 minutes
BlinkerBeam™ Wireless Communication System	
Frequency	900 MHz FHSS
Range	Up to 3 miles with optional external antennas. For system separation over 900', a site survey is recommended for optimal performance.
Radio	Operates on 900 MHz frequency hopping spread spectrum network. Operating range from 3.6vdc to 15vdc
Programmability	Up to 50 systems in one network
Push-button Activation*	ADA pushbutton, typical (<120 millisecond)
*Optional remote, stand-alone pushbutton including self-contained, replaceable battery with typical two-year life	
Programming	
RS232 Communications Port	
Programming via Windows basic software: Optional wireless cellular or internet programming	
W11-2 Pedestrian Xing and S1-1 School Crossing Signs & Plaques (W16-7P or W16-9P)	
Sign Substrate (30" or 36" signs)	.080" Highway grade aluminum
Reflective Sheeting	3M™ DG ³ FYG 4083 with anti-graffiti overlay
Hardware	Zinc-plated steel anti-vandal fasteners for signs and RRFB units
MUTCD Compliance	MUTCD Section 2A Compliant
BlinkSync™ Wireless, Synchronized Device Activation Systems	
Multiple units in one system will flash in synchronized patterns to avoid light noise of system operation. Ideal for multiple units flashing in the same direction, without the need for wiring.	



† Specifications are subject to change without notice. For additional specifications and details, please contact us!