

Rectangular Rapid Flashing Beacons

WARNING
PN: RRFB-Solar; RRFB-AC



Worried about drivers stopping for children or pedestrians at a crosswalk in your area? Install rectangular rapid flashing beacons (RRFBs) and watch oncoming traffic promptly brake to a halt.

When a waiting pedestrian pushes the roadside button, two sets of high intensity LEDs flash in an irregular pattern similar to emergency vehicles, making the RRFBs virtually impossible to ignore.

RRFBs are effective in areas where pedestrians cross between signals or on blind corners where drivers may not see pedestrians or be distracted. Crossings with RRFBs report exceptionally high driver yield rates of 80 to 90 percent.¹ Attentive drivers mean safer pedestrians.

Calming Traffic. Saving Lives.

Effective

- Sleek, exceptional design, powder-coated black on both sides
- Small footprint, lightweight, easy to install, low power, AC or solar
- Side-confirmation LEDs visible on each end alerts pedestrians when the flash bar is active
- Wirelessly synchronizes across the roadway
- Simple one-piece solar panel mounting bracket
- Power enclosure tucks neatly behind pedestrian sign

Versatile

- Can pre-warn with up to six flash bar systems activated with a single button
- Options for integration with other equipment

Durable

- Rustproof aluminum housing
- Shatterproof polycarbonate window
- Virtually maintenance free
- FHWA MUTCD compliant
- Backed by the best warranty in the industry
- Supported by our highly-acclaimed customer service team

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Specifications for Rectangular Rapid Flashing Beacon Systems (RRFB)	
RRFB Assembly	Two RRFB high-brightness LED array panels in flash bar with standard FHWA alternating flash pattern and configuration, per FHWA IA-21 (March-2018). MUTCD compliant.
RRFB Flash Bars	Amber or red LEDs in two 7"W x 3"H array panels per bar spaced 7" apart. Side-confirmation LEDs visible on each end alerting pedestrians when the flash bar is working. Synchronized by 900 MHz FHSS radio.
Pre-Warning Option	Up to six flash bar systems may be synchronized via internal secure radio systems to activate on a single button activation within a range of 500 feet; longer range options available with external antennas.
Brightness	Meets SAE J595 Class 1 brightness specification. Includes auto-dimming for night time operation.
Flash Bar Housing	Rustproof aluminum housing 21.75"W x 3.5"H x 1"D with shatterproof polycarbonate window, and pedestrian notification end-facing LEDs. Housing is powder coat painted dull black per Federal Standard 595A-3708. Housing width is within the width of W11-2 and S1-1 sign faces.
Operation	RRFB is dark until activated (called) by the pedestrian push button, when the LEDs will flash for a user-configurable pre-set period of time ranging from 5 to 75 seconds. Matches the clearance time for pedestrian signals per FHWA MUTCD. The flashing timer automatically resets each time a pedestrian call is received.
Radio Link	Complies with Part 15 Class B of the FCC rules and Industry Canada license-exempt RSS standards.
Non-Metallic Power Enclosure	NEMA 4X lockable housing 8"W x 10"H x 5"D for battery / solar controller or AC supply, with mounting bracket for 4-8" OD pole. Internal space provided for user-supplied electronics modules up to 5" x 7" x 1".
DC Power	12V DC, 0.50 watts average of night/day activation.
Solar Power System	Includes battery, solar panel, charge controller which prevents overcharging, and pole-mounted battery box. Standard 20W solar panel. Specific local conditions (trees, buildings, or other daily shading) or geographic locations may require a customized solar power system to guarantee operation 24/7/365 with 10 days of autonomous operation. Solar panel bracket mounts to side of pole; near or at top of pole recommended.
AC Power Option	110/220V AC, <2 watts average.
Activation Button	Heavy-duty activation button for 4" OD pole meets MUTCD, TAC and ADA requirements. Activated with less than two pounds of pressure. Aluminum sign housing meets NEMA specifications. Includes 5"W x 7.75"H placard with pedestrian crossing button instructions.
Button Options	Audible navigation units available. Pushbutton with directional arrow available. Optional locate tone and voice message available. Supports Polara Bulldog III buttons.
Flash Bar Mounting	Includes banding plate for 4"-8" OD pole. Stainless steel mount included for use with standard banding equipment. Mounts above standard pedestrian crossing sign or one bar above and one below, or back-to-back.
Environmental	Operating temperature range -30C to +75C, -22F to +167F. 90% RH non-condensing, 5-30Hz 3-axis vibration, ½-sine 3-axis shock.
Warranty	Three years on products and technical support, 10 years on the LEDs.
Information Display Company Products: AdvisorySpeed™; DeviceController™ Flashing Beacon; NTCIP; FlashAlert™; Flashing Beacon Systems; InstaNet™ Two-Way Wireless Remote Communication; OfficeAlert™; Portables; Rectangular Rapid Flashing Beacons (RRFB); SlowDown Alert™; SchedulePro™; SpeedCheck™; TollRate™; TimeKeeper™; TravelTime™; TrafficFlow™; TrafficInfo™; TrafficAnalyzer™; VariableSpeed Limit™	