

# 2<sup>nd</sup> Generation Rectangular Rapid Flashing Beacons

**ELTEC'S 2<sup>nd</sup> Generation Rectangular Rapid Flashing Beacon (RRFB) light bars** comply with the Federal Highway Administration's (FHWA) approval for optional use at uncontrolled pedestrian and school crossings. Studies show using RRFB signals significantly increase motorist compliance to "yield to pedestrians" (80–95%) compared to (15–20%) with standard flashing beacons. Systems are pedestrian activated: push button or passive detection.

As required by the FHWA, the Class 1 RRFB (used by police & emergency vehicles) is a rectangular shaped, high intensity light head. The flash pattern provides direct, ultra bright concentration as well as wide-angle intensity.

## ELTEC has designed two styles of RRFB light bars:

- One-sided with 2 RRFBs: Used with divided highways with a median or one-way streets. Mounts to tapered, wooden, or standard 4 ½" O.D. pole or other diameter pole sizes where banding is appropriate.
- Two-sided wraparound with 4 RRFBs: Used with two-way streets or medians. Mounts to either a 2 ¾" or 4 ½" O.D. pole, or 2 ¼" Telespar.

Each style has recessed signals to minimize vandalism and can include one or two end-mounted signals for pedestrian verification. Three finishes are standard: Federal Yellow, Textured non-reflective Black or brushed aluminum. Custom colors are available.

The RRFB light bar works with either DC (solar) or AC systems. The RRFB light bar is self-contained, including the flasher, timer and radio modules as well as the ambient light sensor for night time dimming. Duration of flash time is user defined in each RRFB light bar. All solar powered systems may contain the Post Top Cabinet which includes a 22ah SLA battery, 20w solar panel and 10a solar charge controller or a Side of Pole Cabinet containing the same components.



## THE RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM IMPROVES PEDESTRIAN SAFETY AT UNCONTROLLED CROSSWALKS

- Significantly increases motorist compliance to yield to pedestrians (approx. 80%–95%)
- Flash pattern: WW+S
- Lab certified Class 1 light intensity
- One pedestrian verification signal included
- Federal Yellow, textured non-reflective black or brushed aluminum; custom colors available
- Initiated with push button or passive detection
- Systems available in AC or solar (DC)
- Wireless radio operation between poles; no need for trenching
- Conforms to all FHWA updated requirements
- Self-contained: Includes flasher, timer, 900MHz radio and ambient light sensor for night time dimming

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**2<sup>nd</sup> Generation RRFB LIGHT BAR SPECIFICATIONS**

- Dimensions (one-sided) ..... 4”H x 23.5”W x 1.75”D
- Dimensions (wraparound) .....4”H x 23.5”W x 8.125”D
- Lamp Dimensions .....3”H x 7.23”W
- Battery ..... 12 Vdc 22ah SLA
- Solar Panel .....20w to 40w
- Autonomy (one-sided) .....up to 15 ½ days
- Autonomy (wraparound).....up to 11 ½ days
- SAE J595 Class 1 Certified LEDs  
AMECA Accredited Laboratory
- Flash Rate ..... 75 flash cycles / minute
- Automatic Night Dimming..... FAA ambient light standard
- Radio System..... 900MHz Mesh Network
- Flash Time.....0.1 to 99 seconds

*Surface area of LEDs does not determine level of brightness. Type of LED determines how many must be used to provide required Class 1 light level. The reflector used to distribute light output affects signal intensity. Ask your representative for a copy of the Class 1 lab certification.*

**All light bar components are designed, manufactured and assembled in the U.S.A.**



For more information or a price quote, contact ELTEC or your local ELTEC Dealer | E-mail: [sales@elteccorp.com](mailto:sales@elteccorp.com)

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