



Wraparound Light Bar*
(shown in federal yellow)

*Available with 4, 5, or 6 Signals

One-sided Light Bar
(shown in brushed aluminum)



The **RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEMS** improves pedestrian safety at uncontrolled crosswalks

- Significantly increases motorist compliance to yield to pedestrians (approx. 80%–95%) compared to standard beacons (15%–20% range)
- Flash pattern choices: 2/4-1 or WW+S—recommended
- Lab certified Class 1 light intensity
- Optional: pedestrian verification signal
- Federal yellow 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
- Light bar can be retrofitted to existing systems using round flashing beacons
- Conforms to all FHWA updated requirements

For more information or a quotation, contact ELTEC or your local ELTEC Dealer

RECTANGULAR RAPID FLASHING BEACONS

ELTEC's Rectangular Rapid Flashing Beacon (RRFB) light bars comply with the Federal Highway Administration's (FHWA) interim approval for optional use at uncontrolled pedestrian and school crossings. Studies show using RRFB signals significantly increases 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. Either flash pattern, 2/4-1 or WW+S (wig-wag plus simultaneous–recommended), provides direct, ultra bright concentration as well as wide-angle intensity.

ELTEC has designed two styles of RRFB light bars. Both styles have recessed signals to minimize vandalism and can include an end-mounted indication for system verification to pedestrians. Two finishes are standard: federal yellow or brushed aluminum. Custom colors are available.

- One-sided with 2 RRFB's: Used with divided highways with a medium or one-way streets. Mounts to tapered, wooden, or standard 4 1/2" O.D. pole or other diameter pole sizes where banding is appropriate.
- Two-sided wraparound with 4 RRFB's: Used with two-way streets or medians. Mounts to either a 2 3/8" or 4 1/2" O.D. pole, or 2 1/2" Telespar. Optional: One or two end-mounted signals for pedestrian verification.

Both light bars can be retrofitted to existing pedestrian crossings currently using round flashing beacons or integrated in new systems. The RRFB light bar works with either DC (solar) or AC systems. All solar powered systems are sized for each project taking into consideration the average number of crossings per day (hours of operation), latitude, local site conditions, and weather ensuring sufficient power during winter months. Duration of flash time is user defined.



RRFB on 4" Pole

RRFB on Telespar Pole

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

RRFB LIGHT BAR SPECIFICATIONS

Dimensions (one-sided).....	3.5" H x 20" W x 2.625" D
Dimensions (wraparound).....	3.25" H x 20" W x 8" D
Power required.....	12 VDC
SAE J595 Class 1 Certified LED's.....	AMECA Accredited Laboratory
Flash rate (2/4-1 or WW+S).....	75 flash cycles/minute
Automatic night dimming.....	FAA ambient light standard

Surface area of LED's 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.

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