

# TS60-RRFB LED Rectangular Rapid Flashing Beacons



## General Description

Our Rectangular Rapid Flashing Beacons (RRFBs) are used to supplement warning signs at uncontrolled intersections or mid-block crosswalks. Our RRFBs feature flashing, high-intensity LEDs that alert motorists that pedestrians are using the crosswalk. Studies have shown that RRFBs significantly increase driver yielding behavior.

RRFBs are placed on both sides of a crosswalk below a pedestrian crossing sign and above an arrow sign that points at the crossing. Pedestrians can manually activate RRFBs with a push-button or passively with photo-sensor bollards.

## Applications

- Pedestrian crossings
- School crossings
- School zones

## Benefits

- High intensity LEDs command the attention of drivers and significantly increase driver yield rates.
- LEDs visible under all weather conditions.
- Easy installation with minimal traffic disruptions.

## Features

- MUTCD Section 2A.07 / 2A.08 Compliant with push-button activation.
- MUTCD compliant flash pattern: Wig-Wag + Simultaneous (WW+S).
- Yellow LED RRFB light bar.
- Optional Pedestrian Confirmation Light alerts pedestrians that the RRFB is flashing.
- Single or double-sided (back-to-back) configuration.
- LED life expectancy over 100,000 hours.
- Solar or AC powered.
- Day and night visibility.
- Automatic dimming at night to reduce glare.
- Push-button or Photo-Sensor Bollard activation.
- Fast, easy installation.
- Easy battery replacement in field.
- Quick LED light replacement.
- Multiple mounting hardware options.



*Shown with RRFB, pedestrian crossing sign, crosswalk arrow sign, and push-button station.*



*Shown with RRFB, school zone crossing sign, crosswalk arrow sign, and push-button station.*



*RRFBs are placed on both sides of a crosswalk in a single or double-sided (back-to-back) configuration.*

### Specifications

- Construction: .080 highway grade aluminum/stainless fasteners.
- LED Modules: 2 arrays of 24 yellow LEDs
- Dimensions (weight):
  - Light Bar: 24.5" L x 2.25" W x 4" H (5 lb.)
  - LED Modules: 7.25" L x 3.125" W
  - Locking Cabinet: 10.54" x 12.54" x 7.35" (6 lb.)
  - Battery: 7" x 3" x 6.5" (15 lb.)
  - 20W Solar Panel: 22.68" L x 14.06" W x 1.18" H (6.17 lb.)
- Optional Pedestrian Confirmation Light: mount on left or right side of light bar.
- Traffic Sign Sizes: 24", 30", 36", 48"
- Traffic Sign Reflective Sheeting Types:
  - Type IX reflective sheeting.
  - Fluorescent yellow green sheeting.
- Power:
  - 12 volt solar panel with SLA battery (12 volt, 22 amp)
  - AC power
- LED Lighting:
  - MUTCD Compliant RRFB light bar.
  - Wig-Wag + Simultaneous (WW+S) flash pattern.
  - Single-sided with or without pedestrian confirmation light.
  - Double-sided with or without pedestrian confirmation light.
- Activation: Push-buttons, Push-button Stations, or Pedestrian Detection Photo-Sensor Bollards.
- Locking Cabinet:
  - High-impact, UV resistant polycarbonate
  - UL/NEMA 4X (IP66)
  - Light gray opaque hinged enclosure
  - Stainless steel locking latch
  - Dimensions: 10.54" x 12.54" x 7.35"
  - Part Number: H12106HLL
- Optional mounting pole systems available.
- Warranty: 10 year solar collector panel, 2 year PCB/LED technology, 1 year battery.



Locking Cabinet

### Pole Options

#### Telespar Poles:

The Telespar Pole is 2" x 2" and is available in 8', 10' or 12' lengths. We offer a 5' x 2.25" sleeve. The Telespar pole and sleeve combination is considered a breakaway system.



#### Aluminum Pole System:

Our 4.5" Aluminum Pole System has a clean and professional look, with the added security of a required breakaway pole application. It is approved by the FDOT and meets MUTCD requirements. Our Aluminum Pole System is available in 10', 12' or 14' lengths. A pole cap is included along with 4 galvanized 3/4" x 18" anchor bolts.



4EVR Push-Button Station with Stainless Steel Button (left), Guardian APS Push-Button Station with Audio Caution Message Capability (center), Pedestrian Detection Photo-Sensor Bollards (right)

### Ordering Codes

RRFB Configuration	Power	Activation Options (select only one)
SI-RRFB: Single-sided RRFB without pedestrian confirmation light	AC: AC	1: 4EVR Push-Button with Stainless Steel Button <sup>2</sup>
SI-RRFBC: Single-sided RRFB with (1) pedestrian confirmation light	DC: DC <sup>1</sup>	2: 4EVR Push-Button Station with Stainless Steel Button <sup>2</sup>
SI-RRFBD: Double-sided (back-to-back) RRFBs without pedestrian confirmation light		3: Guardian APS Push-Button Station with Audio Caution Message Capability <sup>2</sup>
SI-RRFBDCD: Double-sided (back-to-back) RRFBs with (1) pedestrian confirmation light		4: Pedestrian Detection Photo-Sensor Bollards

1. DC power option includes solar panel and battery.

2. MUTCD Section 2A.07 / 2A.08 Compliant with push-button activation. RRFBs should not be configured to flash 24/7.