

SLI-Eco-RRFB (Rectangular Rapid Flash Beacon)

Solar Lighting International's Rectangular Rapid Flash Beacon (RRFB) is a device using LED flashing beacons in combination with pedestrian warning signs, to provide a high-visibility strobe-like warning to drivers when pedestrians use a crosswalk. In general, RRFBs are a visual cue that pedestrians may begin crossing the roadway at any time. They are always accompanied by crosswalk markings and signs. Crosswalk RRFBs operate by wireless push button activation. When a pedestrian pushes the button to cross the street, the sign is activated and begins to flash to warn drivers of the crossing pedestrians. The flashing pattern can be activated with pushbuttons or automated (e.g., video or infrared) pedestrian detection.

Push Button Assembly:

- ▶ 2" Button with momentary switch rated at 36VDC
- ▶ 5" x 7" button fixture with crossing sign inserted

Potential Benefits:*

- ▶ RRFBs are a lower cost alternative to traffic signals
- ▶ An official FHWA-sponsored experimental implementation and evaluation conducted in St. Petersburg, Florida found that RRFBs at pedestrian crosswalks are dramatically more effective at increasing driver yielding rates to pedestrians than traditional overhead beacons.
- ▶ RRFBs stutter flash may elicit a greater response from drivers than traditional methods.

* https://safety.fhwa.dot.gov/intersection/conventional/unsignalized/tech_sum/fhwasa09009/

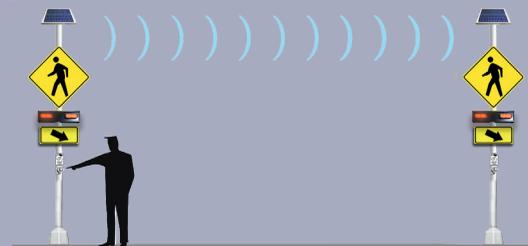


CrossTalk

Solar Lighting International's CrossTalk device is a compact, all-in-one solar controller, flasher, auto-dimmer and scheduler that is programmed using CrossLink or cellular service. The CrossTalk is located inside the control cabinet. CrossTalk can be used from a central office to control a single sign or multiple signs at multiple locations by programming through the web interface.

CrossTalk Activation

CrossTalk for pedestrian street crossings where people need to cross safely. Pedestrians simply press the button to activate the CrossTalk device located inside the control cabinet. The CrossTalk wirelessly activates the sign alert LEDs on both sides for the programmed amount of time.



Model SLI-Eco-RRFB Specifications

Rectangular Rapid Flashing Beacon Push Button/Crosswalk

(Meets MUTCD & ITE Standards)

| | | | |
|------------------------|--|----------|---------------------------|
| Solar Panel | Maximum Power | (P max) | 20W |
| | Voltage at Pmax | (V mp) | 17.3 V |
| | Current at Pmax | (IMP) | 1.16 A |
| | Short-Circuit Current | (Isc) | 1.29 A |
| | Open-Circuit Voltage | (Voc) | 21.6 V |
| Control Cabinet | 7.5" x 11.25" x 4" | aluminum | located below solar panel |
| Battery | (1) | 18 amp | included |
| Push Button | 2" Button with momentary switches rated at 36VDC | | |
| | 5" x 7" Button fixture with crossing sign inserted | | |
| Optional | Additional RRFB with mounting hardware | | |
| | Pole with mounting hardware | | |
| | Pedestrian Sign | | |
| | Left Down Arrow Sign | | |
| | Right Down Arrow Sign | | |
| RRFB | Lighting Meets J595 for Class 1 | | |



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