

# Post Top Beacons

INTELLIGENT BEACON SOLUTIONS



## POST TOP BEACONS

Adding Flashing Beacons to new or existing signs can increase awareness and compliance with regulatory and warning signs at challenging roadway locations. TrafficCalm's Intelligent Post Top Beacons are a quick and easy-to-install solution that is only comprised of three parts:

- Solar controller
- Integrated 12" beacon assembly
- Post top mount

TrafficCalm Post Top Beacons are affordable, bright, and rugged.

## FEATURES

### Ruggedized Electronics

All electronics, radios, and LEDs are fully epoxy-potted and environmentally sealed. The entire pole with the solar controller, and batteries can be fully submerged and still operate. LED beacon is water resistant. (Not intended for underwater installation)

### Easy Installation

The system consists of only three subassemblies and can be quickly installed on most poles and posts. For round poles, we offer 4.5" OD and 2.5" round pole mounts. For square poles, we have a universal square pole mount that works on wooden and tubular steel posts.

### Built-in Beacon Timer and Scheduler

No external beacon timer is required when an intelligent controller is selected. The system comes with a built-in software timer and the ability to schedule the beacon activity up to 5 years in advance. It can be ran as Input, Radar, or 24/7 all flash . Systems with basic controllers are plug-n-play with no programming or scheduling options.

### Made in the USA

TrafficCalm Intelligent Beacons are manufactured in the USA in an ISO 9001:2015-certified facility, meeting and exceeding industry and state testing requirements. TrafficCalm® Intelligent Beacons are unmatched in durability, brightness, and ease of installation and use. Build America/Buy America Compliant.

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## SPECIFICATIONS

### Beacon Illumination

Single 12" red or amber beacon ball options  
ITE VTCSH-LED Circular Signal Supplement Compliant (ITE 2005)  
Auto dimming  
Selectable daylight non-dimming option  
Maintains 70% of initial lumens after 100,000 hours of operation

### LED Beacon Electrical

Wattage: 4.4W (red), 10W (amber)  
Input Voltage: 10-28VDC  
Multiple flash pattern selections with intelligent controllers and standard MUTCD flash pattern available with basic controllers  
Beacon Controller includes 24 Ah battery

### Beacon Dimensions

Housing dimensions for all Intelligent Beacons:  
13.5"h x 13.5"w x 17"d (34.29cm x 34.29cm x 43.18cm)

### Beacon Housing

Powder-coated aluminum housing in black or yellow  
Hinged door of matching aluminum material and color  
All brackets and mounting points serrated for positive positioning and locking  
Black or yellow aluminum tunnel visor sold separately  
Black contrast back plate sold separately

### Compatibility

Mounts to all industry standard square posts - including Telespar and wooden posts, 4.5" round or 2.5" round poles.  
Round pole mounts are available for 4.5" OD and 2.5-2 7/8" OD round poles.

### Environmental

NEMA 4X Enclosure  
-29.2°F to +165.2°F (-34°C to +74°C) operating range

### System Ordering Options

Beacon LED colors: Red or amber  
Housing colors: Gloss black or yellow  
Intelligent Duplex Solar Controller/Collaborator or a Basic Duplex Solar Controller  
Mounting: 2.5" round pole mount, 4.5" round pole mount, or universal square post mount  
Optional Visor

## DETAILS

### Input/Output

Inputs: 1 per controller, accepts dry contact closure, optional input devices include push button, environmental sensors, and other  
Outputs: 2 per controller, 20W max requirement, default output rated at 1 flash per second, to comply with MUTCD 11th edition, including section 4U.02  
Radar Port: Accepts input from TrafficCalm Radar  
Light sensor for configurable auto-dimming feature based on ambient light conditions

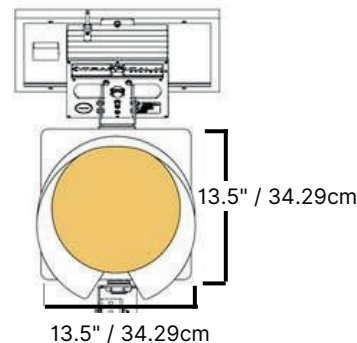
### TrafficCalm User Interface

Wi-Fi connectivity - No internet connection required  
Configurable flash duration: 1 flash/second by default  
Bulit-in timer and scheduler (Intelligent Controllers Only)  
On screen status reporting includes: Controller & Collaborator(s) signal strength, flasher output voltages, input voltage (battery or AC devices), charging voltage, & firmware versions

### Performance, Warranty, and Service

Wireless activation within 100mS  
Maximum Wireless range of 1000 ft (300 m) (2.4GHz radios)  
5-year limited warranty  
Unlimited tech support from US based factory technicians

Single Beacon Front View  
(Optional Visor)



Single Beacon  
Side View



Square Pole Post Top  
Mount Bracket with Beacon on Top



Square Pole Post Top  
Mount Bracket



Round Pole Post Top  
Mount Bracket

