Slimline Beacon

INTELLIGENT BEACON SOLUTIONS

TRAFFICALM®

SLIMLINE BEACON

Adding Flashing Beacons to new or existing signs can increase awareness and compliance with regulatory and warning signs at challenging roadway locations.

The Slimline Series allows the controller or collaborator to be mounted at the top of the pole without any bulky side of pole enclosures. Designed to hide amongst the beacon and its mounting structure, the Slimline Controllers and Collaborators provide all the benefits of TraffiCalm Intelligent Beacons in sleek, robust housing.

FEATURES

Ruggedized Electronics

All electronics, radios, and LEDs are fully epoxy-potted and environmentally sealed. The entire pole with the sign, controller, solar panels, beacons, and batteries can be fully submerged and still operate.

Ease of Installation

The ease of installation allows for quick setup on any existing sign post.

Built-in Beacon Timer and Scheduler

No external beacon timer is required. System comes with a built-in software timer and the ability to schedule the beacon activity up to 1 year in advance, or run 24/7.

Made in the USA

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

SCHOOL SPEED LIMIT 25 WHEN FLASHING

Limited Warranty **5** YEAR
Exclusions Apply, see warranty statement for details

SPECIFICATIONS

■ Beacon Illumination
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

AC or solar options

■ 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)

Bracket dimensions: 10" standoff from post surface (for all configurations)

■ Beacon Housing
Polycarbonate or aluminum housings available

Colors available: Black, yellow or green

Visors and backplates sold separately

Stainless steel or aluminum hardware

All brackets and mounting points serrated for positive positioning and locking

Hinged door of matching material and color

■ Compatibility
All TraffiCalm Universal Beacons

Integrates with all TraffiCalm Flashing LED Rings, Universal Beacons and Rectangular Rapid Flashing Beacons and can be push button, speed (radar sensor), time clock or sensor activated

All TraffiCalm Top-of-Pole Solar Kits

4.5" outside diameter round poles only

■ Environmental
NEMA 4X Enclosure

-40°F to +140°F (-40°C to +60°C) operating range

■ System Ordering Options
Beacon ball size: 12" (30.48cm)

Beacon LED colors: red or amber

Beacon housing colors: Gloss black, green or yellow

Beacon housing material: powder-coated aluminum or molded polycarbonate.

Slimline Beacon Order Kit

Part Number	Part
M75-SA300-CTLZ	SA300 Intelligent **Controller**, Slimline. - Includes 43Ah Advanced AGM Battery Kit Fits a 4/5" pole. If needed, add Collaborator M75-SA300-CLBZ. *Must add solar (below).
M75-SA30A-CTLZ	SA300 Intelligent **Controller**, Slimline, AC Power, Wi-Fi, & Mesh Nest. If needed add Collaborator M75-SA30A-CLBZ
M75-SPTOP-XXXW	TOP of 4.5" Pole, 60, 100, or 150W **Solar Kit**, No Battery, Outside Diameter (XX = 060W, 100W, 150W)
Refer to Universal **Beacon** Sheet for types of beacon housings and options.	
Optional items include: Flashing LED signs, Rectangular Rapid Flashing Beacons, radar sensors, push buttons, and 4.5" pole kits.	

DETAILS

■ Physical Description
Slimline Controller or Collaborator mounts to the top of any 4.5" outside diameter round pole. TraffiCalm Universal Beacons top extension mounts to the controller terminal housing ports, and the lower extension universal pole hub mounts directly to the pole

43 Ah battery and tray housed in base of pole

■ Input/Output
Inputs: 1 per controller, accept dry contact closure, optional input devices include Push Button, environmental sensors, and other

Outputs: 2 per controller, 12W max requirement, default output rated at 1 flash per second, to comply with MUTCD guidelines, including section 4N.02

Radar port: Accepts input from TraffiCalm Radar

Light sensor for configurable auto-dimming feature based on ambient light conditions

■ TraffiCalm User Interface
Wi-Fi connectivity - No internet connection required

Mode selection: Pedestrian Crossing, Curve Warning, All Flash, Conflict Intersection, High Water Warning

Configurable flash duration: 1 flash/second by default

Retrievable activation log stored for at least 365 days

On screen status reporting includes: Controller to Collaborator(s) signal strength, Controller to Collaborator(s) flasher output voltages, Controller to Collaborator(s) input voltage (battery or AC devices), Controller to Collaborator(s) charging voltage, Controller to Collaborator(s) firmware versions

■ Performance, Warranty, and Service
Wireless activation within 100mS

Wireless range of 1500 ft/457m (2.4GHz radios)

5 year limited warranty

Unlimited tech support from US based factory technicians

Confirmation Light

Solar Charge Controller or AC Power Supply Available

Slimline Controller/ Collaborator

Terminal Housing

We take full advantage of hiding a substantial, eco-friendly battery in the base of the post rather than on an external box. This further streamlines the overall appearance and function of the system.