

# Stop Sign Flashing LED Ring

FLASHING SIGN SYSTEM



## STOP SIGN FLASHING LED RING

Designed to LED enhance any existing or new R1-1 STOP Sign. Engineered to provide ease of installation, unmistakable visibility under any conditions, and intuitive driver calming beyond that of just reflective sheeting.

TraffiCalm is unmatched in its dedication to advancing road safety. Our Flashing Sign Systems provide clear and proven modernized traffic signs that remain fully compliant with the Federal Highway Administration's (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

TraffiCalm® Flashing Sign Systems offer scheduled, radar activated, or 24/7 operation, AC or solar power, hassle-free install, retrofit design, and wireless communication features.

## FEATURES

### Highly Visible LED Stop Signs

TraffiCalm fully outlines the shape of the sign with the most LEDs on the market for a bright, visible sign in any environmental condition.

### Retrofittable LED Rings

Utilize existing signage and add our LED sign rings for a more cost-effective solution.

### Ruggedized Electronics

All electronics, radios, and LEDs are fully epoxy-potted and environmentally sealed. The entire pole with the sign, controller, solar panels, and batteries can be fully submerged and still operate. (Not intended for underwater installations)

### Ease of Installation

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

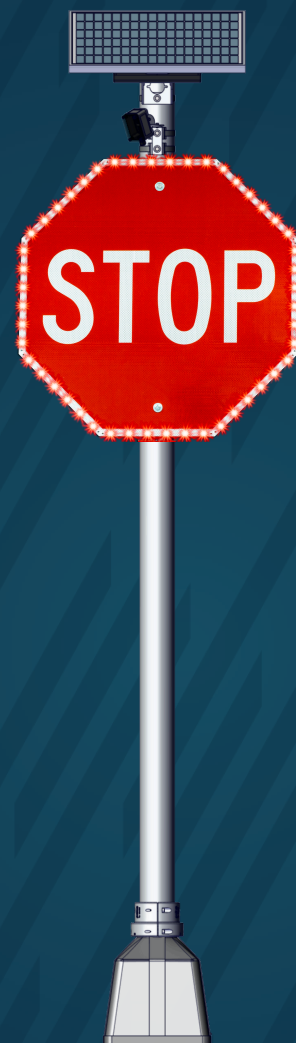
### 100% MUTCD Compliant

The MUTCD allows LEDs to enhance standard highway warning and regulatory signs and to outline either the sign itself or the words and symbols on the sign. MUTCD specifications indicate that "If used, the LEDs shall be the same color as the sign legend, border, or background. If flashed, all LED units on an installation shall flash simultaneously at a rate of more than 50 and less than 60 times per minute." TrafficCalm® Systems are fully compliant.

### Made in the USA

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

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## SPECIFICATIONS

### ■ Illumination

LEDs configured around perimeter of sign, within border (fully MUTCD compliant design)

LED Pitch: 1.9" (4.8 cm) on centers

Red LEDs with 30° Viewing Angle

DG3 white reflective sheeting applied to ring face matching the border of R1-1 STOP signs

LED rated lifetime of 100,000 hours

### ■ Compatibility

Integrates with all TrafficCalm® Controllers and Collaborators and can be push button, speed (radar), time clock or sensor activated

### ■ Construction

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

Ring Depth: 0.4" (10.2 mm) to minimize impact on natural sign appearance

No mounting or wiring exposed on reverse of sign

All wiring is UL 2464 rated

### ■ Environmental

NEMA 4x Enclosure

Potted electronics (hermetically sealed)

-29.2° F to 165.2° F operating range

(-34° C to +74° C)

### ■ Description

This item can come as a retrofit kit (AC or Solar controller and LED Flashing Ring) or a complete system including the retroreflective STOP sign

## DETAILS

### ■ Physical Descriptions

Available Sizes: 24" (61 cm), 30" (76.2 cm), 36" (91.4 cm) or 48" (121.9 cm)

Retrofits to any existing Stop Sign manufactured to MUTCD requirements of corresponding size

Mounting: All LED hardware is mounted within the white border of the sign. Mounted either with adhesive backing or with included self-tapping screws. Rivets may be utilized to improve tamper resistance

MUTCD compliant LED placement and usage

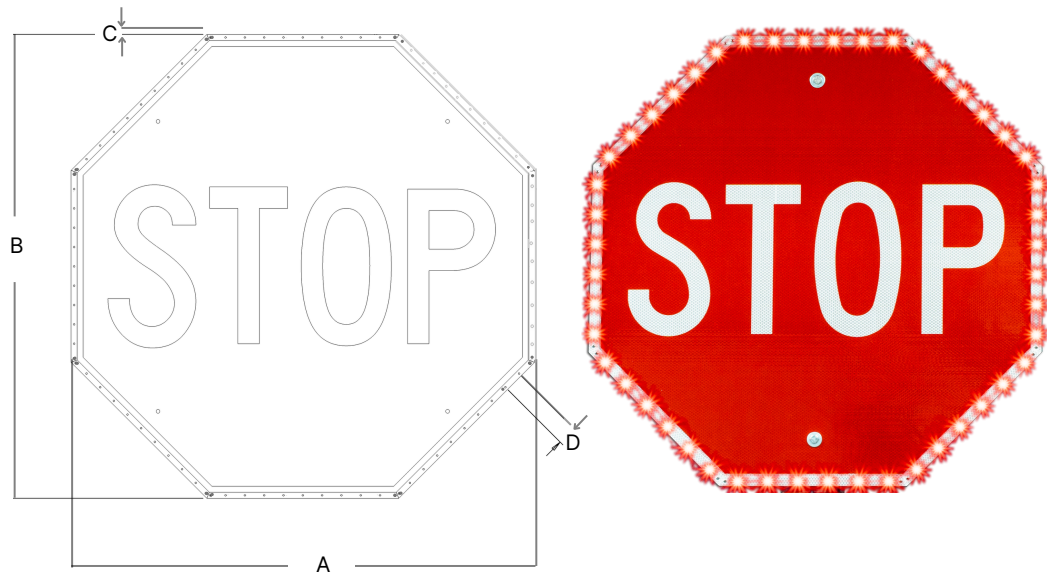
10 ft (3 m) single cable extension to reach Controller or Collaborator

This item can ship as a kit that can be mounted to a new or existing sign OR a complete system with sign

### ■ Warranty and Service

5-year limited warranty

Unlimited tech support from US based factory technicians



Part Number	MUTCD Sign Size	Ring Length (A)	Ring Height (B)	Ring Width (C)	LED Offset (D)	LED Count	Light Output (cd)	Power (Amps)
M75-R2424-WR01	24" *	24"/61cm	24"/61cm	.6"/1.6cm	1.94"/4.8cm	40	270000	.320
M75-R3030-WR01	30"	30"/76.2cm	30"/76.2cm	.6"/1.6cm	1.94"/4.8cm	48	324000	.384
M75-R3636-WR01	36"	36"/91.4cm	36"/91.4cm	.6"/1.6cm	1.94"/4.8cm	48	324000	.384
M75-R4848-WR01	48"	48"/121.9cm	48"/121.9cm	.6"/1.6cm	1.94"/4.8cm	72	486000	.576

\*Non-MUTCD Compliant