

School Crossing LED Ring (S1-1)

FLASHING SIGN SYSTEM



SCHOOL CROSSING LED RING (S1-1)

Designed to enhance existing road signage. Engineered to provide ease of installation, unmistakable visibility under any conditions, and intuitive driver calming beyond that of just reflective sheeting.

TrafficCalm is unmatched in our 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).

TrafficCalm's 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 Warning Signs

TrafficCalm 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.

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

TrafficCalm® 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 within the sign itself (fully MUTCD compliant design)

LED Pitch: .35" (.89 cm) [on centers] within the cluster

4-LED Cluster Pitch: 6 in (15.24 cm) [on center]

Amber LEDs with 15° Viewing Angle

LED rated lifetime of 100,000 hours

COMPATIBILITY

Integrates with all Trafficalm SA300 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

All Wiring is UL 2464 rated

ENVIRONMENTAL

NEMA 4X Enclosure

Potted electronics (hermetically sealed)

-40° F to + 140° F operating range [-40° C to +60° C]

SERVICE and WARRANTY

5 year limited warranty

Unlimited tech support from US based factory technicians

DETAILS

PHYSICAL DESCRIPTION

Available Sizes: 30" x 30" (76.2 cm x 76.2 cm) and 36" x 36" (91.4 cm x 91.4 cm)

Retrofits to any existing School (S1-1) sign manufactured to MUTCD requirements of corresponding size

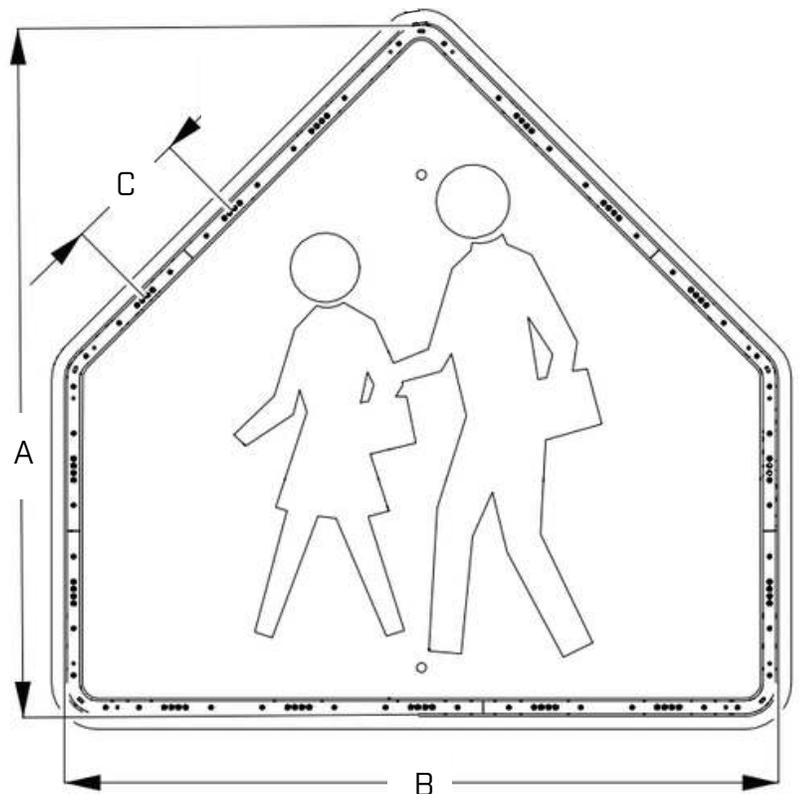
Mounting: All LED hardware mounted within the printed border of the sign. Mounted either with adhesive backing or included self tapping screws. Rivets may be utilized to improve tamper resistance

MUTCD compliant LED placement and usage

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

Ring can be factory installed to a new static sign, per the available part numbers shown below

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



MUTCD Sign Size	Part Number	Ring Height (A)	Ring Width (B)	LED Pitch	LED Group offset (C)	LED Count	Light Output [candela]	Power [Amps]
30x30	M75-R3030-BA45	29"/73.7cm	29"/73.7cm	.35"/.89cm	6"/15cm	56	109,200	.336
36x36	M75-R3636-BA45	35"/88.9cm	35"/88.9cm	.35"/.89cm	6"/15cm	60	117,000	.360