

# School Speed Limit Flashing LED Ring (S5-1)

## FLASHING SIGN SYSTEM



### SCHOOL SPEED LIMIT FLASHING LED RING (S5-1)

School Zone Flashers are designed to provide a notification to drivers entering school zones of the reduced speed limit conditions during the flashing periods, which are typically at set times each weekday when school children are present.

TraffiCalm® offers an innovative, MUTCD compliant Flashing LED Ring that can be retrofitted to a new or existing S5-1 School Speed Limit Sign. The system can be used alone or enhanced with Flashing Beacons.

The systems can be AC or solar powered, are easy and lightweight to install, and can be scheduled to flash for the full year. These bright, durable LED Flashing Rings, are proven to reduce speeds and increase safety in School Zones.

## FEATURES

### Highly Visible LED Warning 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.

### 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." TraffiCalm 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. TraffiCalm® signs are unmatched in durability, brightness, accuracy, and ease of installation and use. Build America/Buy America Compliant.

TRAFFICALM.COM



## SPECIFICATIONS

### ILLUMINATION

LEDs configured in clusters of four around perimeter of sign (fully MUTCD compliant design)

LED Pitch within cluster: .35 in (.95cm) (on center)

Cluster Pitch: 6 in (15.24cm) (on center)

Amber LEDs utilized around the fluorescent yellow-green portion of the S5-1 sign: AlInGaP chemistry, 590 nanometer wavelength, 15° viewing angle

White LEDs are used around the white portion of the S5-1 sign: InGaN chemistry, supports EN12966-1 white color class C2, 30° viewing angle

### COMPATIBILITY

Integrates with all TrafficCalm Controllers and Collaborators and can be scheduled up to 1 year in advance

### CONSTRUCTION

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

### ENVIRONMENTAL

NEMA 4X Enclosure

Potted electronics (hermetically sealed)

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

### WARRANTY and SERVICE

5 year limited warranty

Unlimited tech support from US based factory technicians

## DETAILS

### PHYSICAL DESCRIPTION

Available Sizes: 24" x 48" (to fit S5-1 School Speed Limit Sign)

Retrofits to any existing School Zone Speed 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

Fully 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	Length	Height	LED Count	Power [Amps]
24" x 48"	M75-R2448-BW32*	24"/60.96cm	48"/121.92cm	60	.360

\*This part number includes the LED ring only.