Speed Limit Sign Flashing LED Ring

FLASHING SIGN SYSTEM

TraffiCALM®

SPEED LIMIT SIGN FLASHING LED RING

Designed to LED enhance any existing or new R2-1 Regulatory Speed Limit Sign. Flashing Speed Limit Signs can flash 24/7 or, when equipped with radar sensors, can flash when vehicles exceed the posted speed limit. Both options typically slow speeding drivers.

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 installation, retrofit design, and wireless communication features.

FEATURES

Highly Visible Flashing Speed Limit Sign Ring

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, radar sensors, 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, ease of installation, and use. Build America/Buy America Compliant.

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

SPECIFICATIONS

Illumination

LEDs configured in clusters of three within \ the border around perimeter of sign for enhanced brightness (fully MUTCD compliant design)

LED Pitch within cluster: .375 in (.95 cm) (on center)

Cluster Pitch (on center): 1.9" (4.8cm)

White LEDs with 30° Viewing Angle, InGaN chemistry, and supports EN12966-1 white color class C2

LEDs rated lifetime of 100,000 hours

Construction

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

All Wiring is UL 2464 rated

Environmental

NEMA 4X Enclosure

Epoxy-potted electronics (hermetically sealed)

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

Compatibility

Any TraffiCalm Flashing Sign System Controller or Collaborator, including radar-activated systems.

TraffiCalm iQ1200 and iQ1800 Radar Speed Signs with integrated "beacon" output.

Warranty and Service

5-year limited warranty, 1-year on batteries

Unlimited tech support from US based factory technicians

DETAILS

Physical Description

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

Retrofits to any existing Speed Limit Sign manufactured to MUTCD requirements of corresponding size

All LED hardware mounted within the black border of the sign. Shipped with 3M VHB adhesive backing and self-tapping screws for retrofit installation. If installed on a static sign at the factory, then installed with 3M VHB adhesive backing and rivets.

MUTCD compliant LED placement and usage

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

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

This item can come as a retrofit kit (solar or AC controller, radar, and LED flashing ring) OR a complete system with static speed limit sign

System Description

A complete LED Flashing Speed Limit Sign System consists of a TraffiCalm Controller, an LED Flashing Ring, a static retroreflective SPEED LIMIT Sign, an optional Smart Radar Sensor, and poles/posts.

As with all TraffiCalm® products, retrofit installation utilizes the existing sign and post to minimize costs and construction time. Optional retroreflective speed limit signs with factory-installed LED rings are available.

Part Number	MUTCD Sign Size (R2-1)	Ring (Width)	Ring (Height)	LED Pitch	LED (Group Offest)	LED Count	Light Output (milli-candela)	Power (Amps)
M75-R2430-BW32	24" x 30" (61 cm x 76.2 cm)	23.63" (60.02 cm)	29.63" (75.26 cm)	.38" (.97 cm)	1.9" (4.83 cm)	42	708,400	.336
M75-R3036-BW32	30" x 36" (76.2 cm x 91.4 cm)	29.5" (74.17 cm)	35.5" (89.41 cm)	.38" (.97 cm)	1.9" (4.83 cm)	56	708,400	.504
M75-R3648-BW32	36" x 48" (91.4 cm x 121.9 cm)	35.38" (85.87 cm)	47.38" (120.35 cm)	.38" (.97 cm)	1.9" (4.83 cm)	72	1,214,400	.576