Chevron Sign Flashing LED Ring

FLASHING SIGN SYSTEM

TRAFFICALM®
A Pelco Products Company
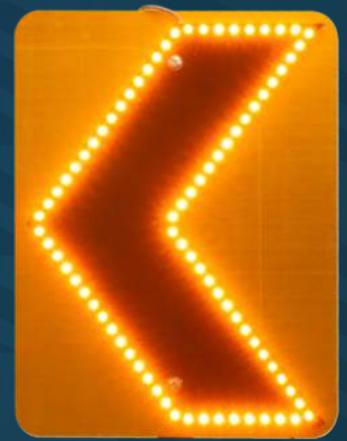
CHEVRON SIGN FLASHING LED RING

Designed to enhance existing road signage as part of a TraffiCalm® Curve Warning System with Sequencing Chevrons. The Federal Highway Administration has designated these types of systems as "Proven Safety Countermeasures" and their studies indicate that Sequential Dynamic Chevrons provide a 60% reduction in fatal and injury crashes*.

TraffiCalm® is unmatched in its dedication to advancing road safety. Our Flashing Sign Systems provide highly visible, tested, modernized traffic signs that are fully compliant with the Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD).

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

FEATURES

Highly Visible LED Warning Signs

TraffiCalm® fully outlines the shape of the Chevron symbol, 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.
*Call for Safety Studies

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

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SPECIFICATIONS

ILLUMINATION

LEDs configured around perimeter of the Chevron symbol (fully MUTCD compliant design)

LED Pitch: .85"/2.2cm (on centers)

Amber LEDs with 15° Viewing Angle

Black powder-coated faceplate for natural appearance

LED rated lifetime of 100,000 hours

COMPATIBILITY

Integrates with all TraffiCalm® Controllers and Collaborators and can be vehicle (radar sensor), time clock activated or run 24/7

CONSTRUCTION

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

Ring Depth: 0.4"/10mm to minimize impact on natural sign appearance

All Wiring is UL 2464 rated

ENVIRONMENTAL

NEMA 4x Enclosure

Potted electronics (hermetically sealed)

-34° C to + 74° C operating range (-29° F to +165° F)

NEMA 4x Enclosure

WARRANTY and SERVICE

5 year limited warranty

Unlimited tech support from US based factory technicians

TraffiCalm LED ring plate easily bolts to existing Chevron signs

DETAILS

PHYSICAL DESCRIPTIONS

Available Sizes: 18"x24", 24"x30", 30"x36", and 36"x48"

Retrofits to any existing Chevron sign manufactured to MUTCD requirements of corresponding size

Mounting: All LED hardware mounted around the perimeter of the symbol on an LED baseplate that can be bolted to the sign post with the same bolt used for attaching the static sign to the post

MUTCD compliant LED placement and usage

10 ft (3m) 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

MUTCD Sign Size	Part Number	Ring Length (A)	Ring Height (B)	Ring Width (C)	LED Offset	LED Count	Light Output (cd)	Power (Amps)
18" x 24"	M75-R1824-BA1L/R	18"/46 cm	24"/61 cm	.625"/1.6 cm	.85"/2.2 cm	80	2995200	.922
24" x 30"	M75-R2430-BA1L/R	24"/61 cm	30"/76 cm	.625"/1.6 cm	.85"/2.2 cm	112	4193280	1.290
30" x 36"	M75-R3036-BA1L/R	30"/76 cm	36"/91 cm	.625"/1.6 cm	.85"/2.2 cm	128	4792320	1.475
36" x 48"	M75-R3648-BA1L/R	36"/91cm	48"/122 cm	.625"/1.6 cm	.85"/2.2 cm	160	5990400	1.843