

# Warning Sign Flashing LED Ring

## FLASHING SIGN SYSTEM



### WARNING SIGN FLASHING LED RING

Designed to LED enhance any existing or new diamond or square-shaped MUTCD 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 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).

TrafficCalm® 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. (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

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 around perimeter of sign within the border (fully MUTCD compliant design)
- LED Pitch: .35" (.89 cm) on centers; within the cluster
- Cluster Pitch: 6" (15.2 cm) on center
- Amber LEDs with 15° Viewing Angle
- LED rated lifetime of 100,000 hours

■ Compatibility

- Integrates with all TrafficCalm® Controllers and Collaborators and can be speed activated (radar), push button activated, sensor activated, and scheduled via time clock or run 24/7

■ 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)
- 29.2° F to 165.2° F operating range(-34° C to +74° C)

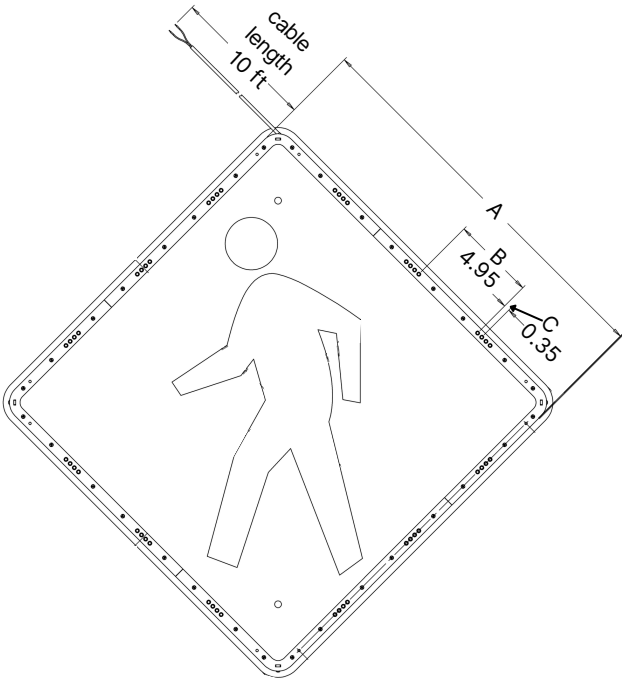
■ Warranty and Service

- 5-year limited warranty
- Unlimited tech support from US based factory technicians

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 Warning Sign manufactured to MUTCD requirements of corresponding size
- Mounting: All LED hardware is mounted around the perimeter of the sign, within the border. 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
- Ring can be factory installed to a new static sign
- 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)	LED Group Offset (B)	LED Pitch in Group (C)	LED Count	Light Output	Power (Amps)
24"	M75-R2424-BA47	23.3"/7.6cm	4.95"/15cm	.35"/.89cm	48	936000	.288
30"	M75-R3030-BA47	29.0"/73.7cm	4.95"/15cm	.35"/.89cm	64	1248000	.384
36"	M75-R3636-BA47	34.8"/88.4cm	4.95"/15cm	.35"/.89cm	80	1560000	.480
48"	M75-R4848-BA47	46.5"/188.1cm	4.95"/15cm	.35"/.89cm	112	21840000	.672

# School Crossing Flashing LED Ring

## 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 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).

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. (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

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)
- 29.2° F to 165.2° F operating range(-34° C to +74° C)

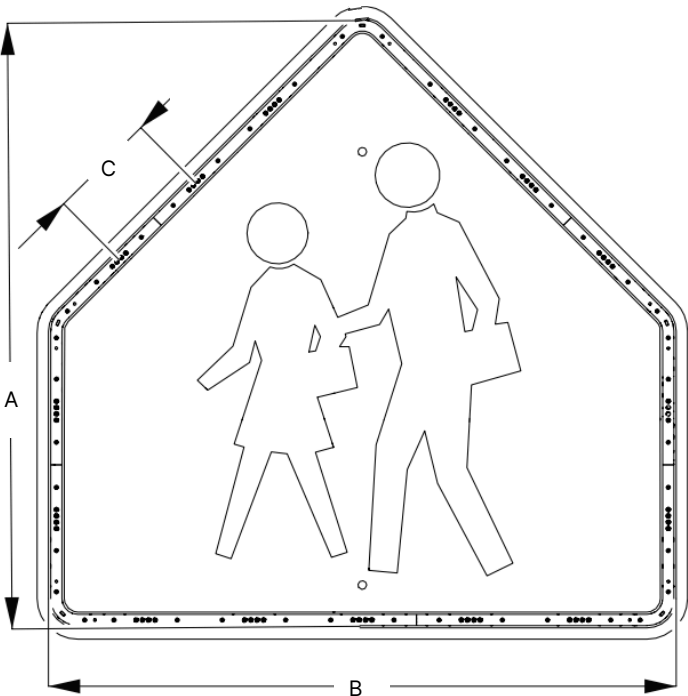
■ Service and Warranty

- 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 is mounted within the printed 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
- 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



# 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.

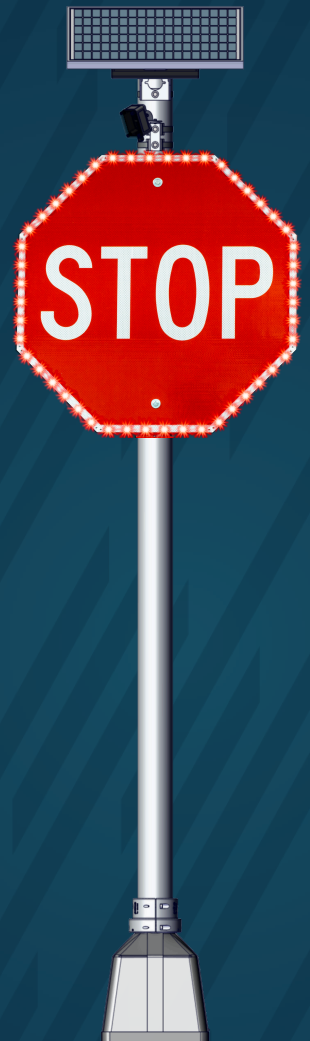
### 100% MUTCD Compliant

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

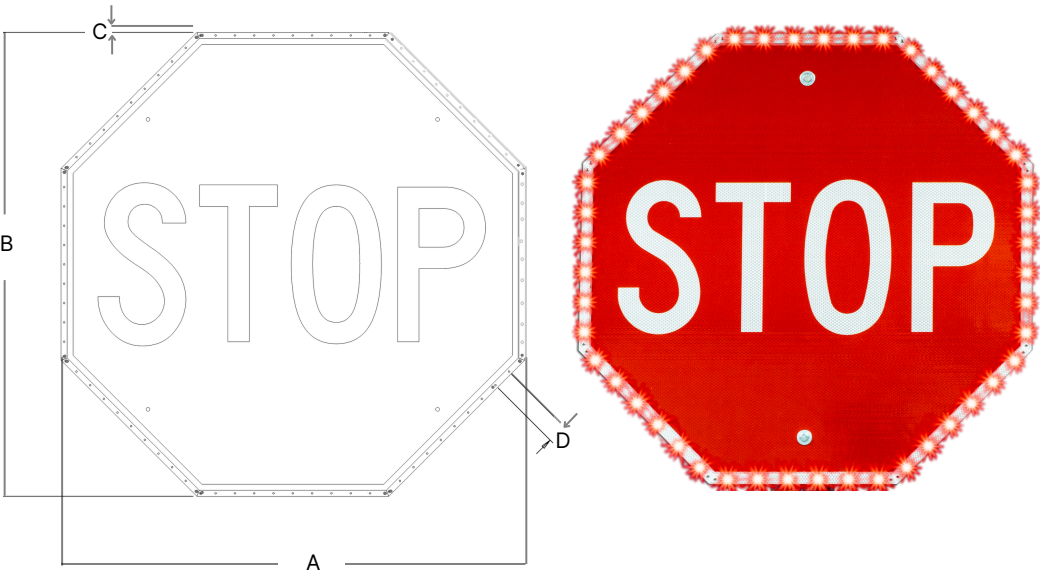
DETAILS

■ 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

# Speed Limit Sign Flashing LED Ring

## FLASHING SIGN SYSTEM



### 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.

TrafficCalm 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).

TrafficCalm® 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

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, 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."

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

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# Speed Limit Sign Flashing LED Ring

## 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 TrafficCalm Flashing Sign System Controller or Collaborator, including radar-activated systems.

TrafficCalm 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 TrafficCalm Controller, an LED Flashing Ring, a static retroreflective SPEED LIMIT Sign, an optional Smart Radar Sensor, and poles/posts.

As with all TrafficCalm® 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 Offset)	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



# Yield Sign Flashing LED Ring

## FLASHING SIGN SYSTEM



### YIELD SIGN FLASHING LED RING

Designed to LED enhance any existing or new R1-2 YIELD sign. 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® 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. (Not intended for underwater installations)

#### Ease of Installation

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

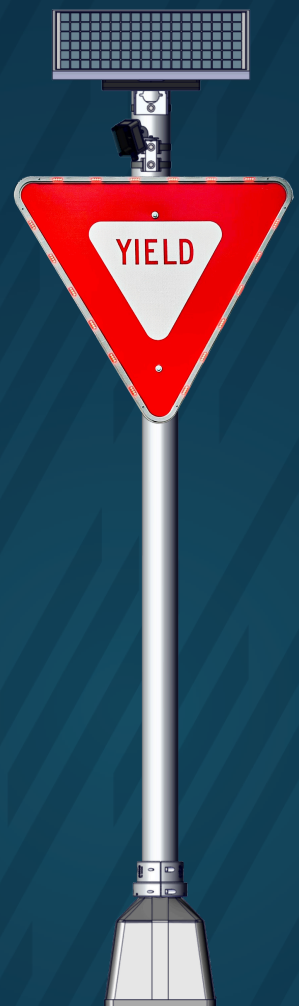
#### 100% MUTCD Compliant

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

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

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

LEDs viewing angle: 30°

DG3 white reflective sheeting applied to ring face for uniformity with R1-2 YIELD Sign

LED rated lifetime of 100,000 hours

### ■ Compatibility

Integrates with all Trafficalm® Controllers and Collaborators, speed (radar), time clock or sensor activated

### ■ Construction

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

Ring Depth: 0.4"/10.0mm 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)

### ■ Warranty and Service

5-year limited warranty

Unlimited tech support from US based factory technicians

## DETAILS

### ■ Physical Description

Available Sizes: 30" (76.2 cm), 36" (91.44 cm), and 48" (121.92 cm)

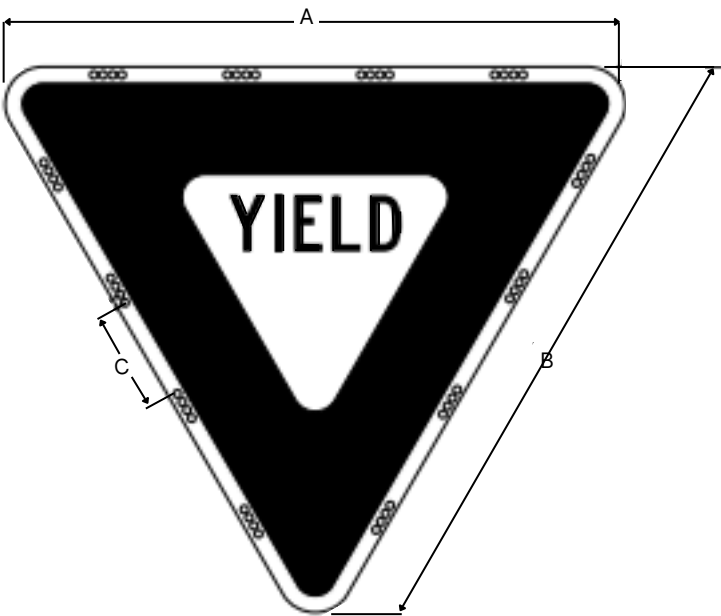
Retrofits to any existing R1-2 Yield sign manufactured to MUTCD requirements of corresponding size

Mounting: All LED hardware is mounted within the printed 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

10ft (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



Part Number	MUTCD Sign Size	Ring Length (A)	Ring Height (B)	LED Group Offset (C)	LED Count	Light Output	Power (Amps)
M75-R3030-WR49	30"	30"/76 cm	30"/76 cm	.35"/.89 cm	48	324000	.288
M75-R3636-WR49	36"	36"/91 cm	36"/91 cm	.35"/.89 cm	48	324000	.288
M75-R4848-WR49	48"	48"/122cm	48"/122cm	.35"/.89 cm	72	486000	.432