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TS30
MUTCD Compliant
Flashing LED Crossing Sign

General Description

The TS30 conforms to the specifications of the Federal Highway Administration (FHWA) set forth in the Manual on Uniform Traffic Control Devices (MUTCD). Using the latest advances in LED technology, the TS30 employs a set synchronized high-intensity LEDs to extend the range of visibility of the sign during the day or night. Furthermore, the LEDs are flashed, which increases driver awareness of the sign and allows drivers to act sooner in advance of the crosswalk. Drivers are given more time to respond appropriately; thus improving the safety of pedestrians.

TS30 signs may be used in conjunction with Traffic Safety Corporation's In-roadway Warning Lighting Systems (IRWLS) as a pre-warning device. Pre-warning devices provide an early warning to drivers of situations that require special caution or a speed reduction. Where economics prohibit the use of a full IRWLS, the TS30 may be used as a more cost effective, stand-alone warning system. In addition, the use of low power LED technology makes the sign ideal to be powered by solar power as well as conventional AC sources.

Typical applications include: mid-block crosswalks, school zones, parks, playgrounds, retirement communities, shopping malls and hospitals.

Why Our Signs are Better

High Visibility

- Fluorescent yellow-green Diamond Grade sheeting provides outstanding reflective brightness, day or night.
- High Intensity Luxeon LEDs extend the visibility of the sign under all weather conditions.

Superior Performance

- Low power LED technology reduces system power consumption and operating cost.

Outstanding Durability

- The use of highway grade Diamond Grade sheeting with an Anti-graffiti overlay maintains long term reflectivity.

Pedestrian Crossing Sign (W112)



School Crossing Sign (S11)



- Each LED is sealed in heat dissipating plastic enclosure to provide resistance to weather and vibration.
- Highway grade aluminum construction provides resistance to corrosion.

Features

- MUTCD Compliant
- High Visibility
- Low Power Consumption
- Low Maintenance
- Fast, Easy Installation
- Easy Integration with In-pavement Lighting System
- Vandal-resistant Mounting Hardware Included
- Eligible for TSC's 5-Year System Warranty

Ordering Codes

Product Code	Sign Type and Size	Input Voltage	Options	Quantity
SI-TS30	W11230: 30" x 30" Pedestrian Crossing W11236: 36" x 36" Pedestrian Crossing S1130: 30" x 30" School Crossing S1136: 36" x 36" School Crossing	DC: 12 VDC AC: 120 VAC		

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How To Specify the TS30 MUTCD Compliant Flashing LED Crossing Sign

The MUTCD compliant flashing LED crossing sign shall be model SI-TS30 as marketed by Traffic Safety Corporation or approved equal. In order to be approved equal, the proposed device must meet or exceed the following requirements:

MUTCD Compliance: Signs shall be in compliance with MUTCD sign specifications.

Sign Substrate: The sign substrate shall be highway grade 0.08 inch aluminum backing to provide durability and resist corrosion.

Reflective Sheeting: The reflective sheeting shall be fluorescent yellow-green, 3M-Diamond-grade sheeting with an Anti-graffiti overlay to maximize visibility under all weather conditions, day or night and provide resistance to vandalism.

Light Emitting Source: High Intensity Luxeon LEDs with a life expectancy of over 100,000 hours shall be used. Power consumption shall be approximately 3.6 watts (pedestrian crossing sign) and 3.0 watts (school crossing sign). Pedestrian crossing signs shall employ eight LEDs. School crossing signs shall employ five LEDs. Each LED shall be sealed in a 7/8 inch diameter, heat dissipating plastic enclosure to provide resistance to weather and vibration. All LED enclosures shall be mounted in a 1 inch hole and ultrasonically welded to the sign assembly to provide maximum strength and rigidity.

Wiring: All wire used shall conform to military specifications MIL-W-16878D, Type D vinyl nylon jacket and covered and secured to the sign assembly using a 1 inch x 3/8 inch aluminum extrusion to provide resistance to weather and tampering.

LED Connectors: All LED connectors shall conform to Ingress protection (IP-67 rating), be dust proof, and provide protection from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series.

Mounting: Signs shall include mounting provision for mounting to poles and posts (supplied by other vendors) and include vandal-resistant mounting hardware (bolts, washers, vandal-resistant nuts) and custom tool for securing vandal-resistant nuts.

Available Options:

- Signs shall be available in both pedestrian crossing and school crossing models.
- Signs shall be available in both 30 inch and 36 inch versions.
- Signs shall be available in 12 VDC and 120 VAC versions.

Warranty: The TS30 shall be warranted against defects in workmanship and materials for one year from the date of shipment and is eligible for TSC's 5-Year Limited Warranty.

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