

TS-SR-i25

Intelligent Solar LED Road Stud

Features

- Solar-powered with high-performance photovoltaic module
- Steady, flashing, or GPS-synchronized flashing operation
- Unidirectional or bidirectional LED configurations
- IP68 and IK10 rated for environmental and impact protection
- Heavy-duty construction withstands loads up to 100 tons
- Low-profile design rises only 0.39" (10 mm) above the road surface
- Snowplow-ready design
- Internal prismatic optical system for enhanced visibility
- Deep-discharge protection for batteries/capacitors
- Silicone-free junction sealing for faster, cleaner maintenance
- Stainless steel and polycarbonate top with aluminum base
- Ideal for crosswalks, road delineation, bends, curves, and other roadway applications

Specifications

Modes of Operation:

- Steady, flashing or GPS-synchronized flashing
(In the GPS synchronized intermittent version, the synchronization period is approximately 3 minutes under ideal GPS signal conditions. Depending on the installation location, this period can take up to 1 hour.)

LED Configuration:

- Unidirectional or Bidirectional

Electrical:

- Power Supply: Battery or Capacitor
- Operating Temperature: -13°F to +185°F (-25°C to +85°C)
- Sleep Mode Autonomy: Up to 12 months (battery version only). After 12 months in sleep mode, recharge the road stud with a minimum of 2 days of direct sunlight before use.
- Runtime:
 - Battery: 750 hours (steady), 1,150 hours (flashing), 700 hours (flashing GPS)
 - Capacitor: 25 hours (steady), 38 hours (flashing)

Optical:

- LED Count: 3 or 6
- LED Type: 5 mm
- LED Colors: Cool/Warm White, Red, Amber, Green, Blue
- LED Viewing Angle: 15°



Mechanical:

- Top Material: Stainless Steel and Polycarbonate
- Bottom Material: Aluminum
- Weight: 3.31 lb (1.5 kg)
- Height Above Surface: 0.39" (10 mm)
- Mechanical Resistance: 100 tons
- Dimensions: Ø6.34" x 2.3" (Ø161 x 58.5 mm)
- Protection Index: IP68, IK10

+1.916.394.9884 Worldwide

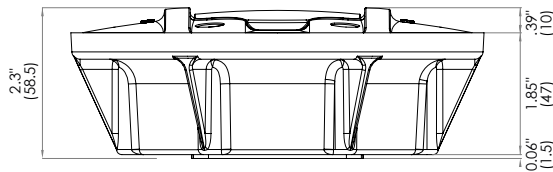
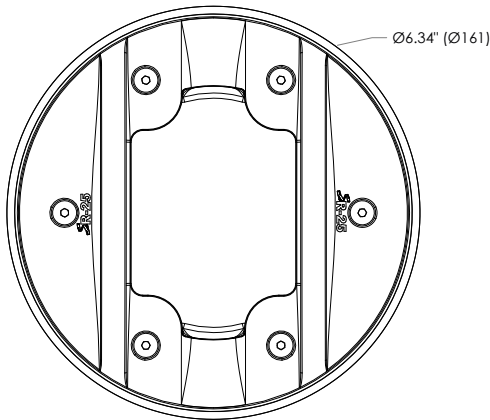
xwalk.com
sales@trafficsafetycorp.com

Traffic Safety Corp., 2708 47th Ave.
Sacramento, CA, 95822, USA

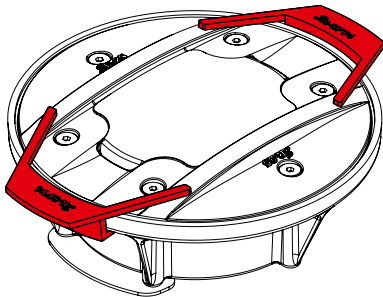
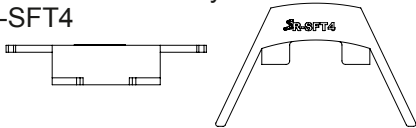
Installation Manual



Changing or not completing the described installation process can result in suspension of warranty.



Installation Accessory
SR-SFT4



After deciding the location where the stud will be installed, drill a hole having a minimum diameter of 6.69" (170 mm) and minimum of 2.36" (60 mm) deep.

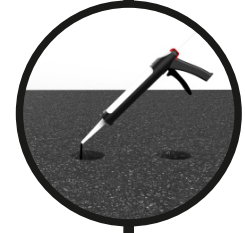
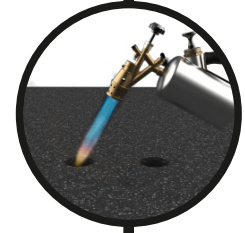
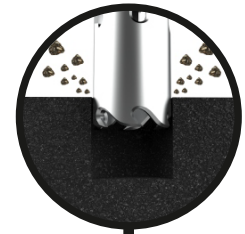
Brush any debris or dust from the hole resulting from drilling.

Dry the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the glue.

Install the installation accessory into each road stud. The accessory helps align and hold the road stud in position while the adhesive cures. Remove the accessory after the installation is complete.

Pour SikaFlow-648 glue in the hole and insert the stud. Remove any excess glue.

The glue drying time may change depending on weather conditions. Consult the glue data sheet for more information.



Ordering Information

Example: TS-SR-i25 with bidirectional LEDs, yellow on side 1 and yellow on side 2, always on mode, battery power supply with GPS option.

