

TS-SR-i19

Intelligent Solar LED Road Stud

Features

- Use of microcontroller technology.
- Higher light output with 3 LEDs on each side.
- Only 0.35" (9 mm) above road surface.
- Ideal for road delineation, bends/curves, crosswalks among other applications.
- High performance photovoltaic solar module.
- Protection against deep discharge of the batteries/capacitors.
- Internal prismatic system.

Specifications

Modes of Operation:

- Steady or Flashing

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 (always on), 1,150 hours (flashing)
 - Capacitor: 25 hours (always on), 38 hours (flashing)

Optical:


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

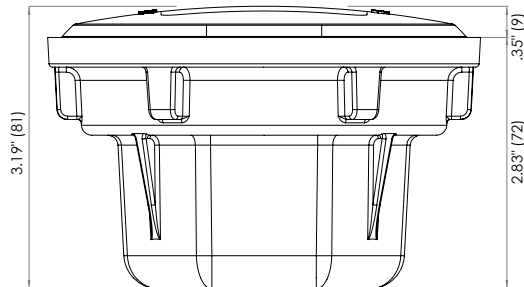
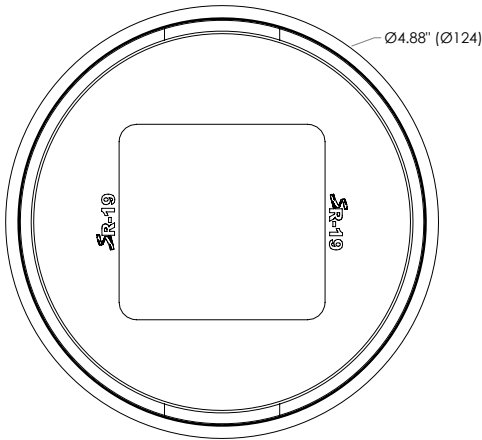
Mechanical:

- Top Material: Polycarbonate
- Bottom Material: Aluminum
- Height Above Surface: 0.35" (9 mm)
- Mechanical Resistance: 40 tons
- Dimensions: Ø4.88" (Ø124 mm) diameter x 3.19" (81 mm) height

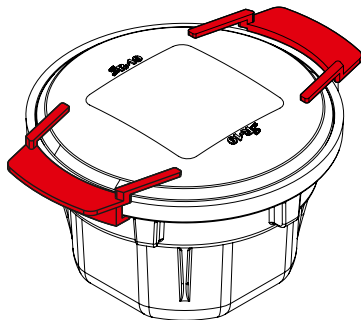
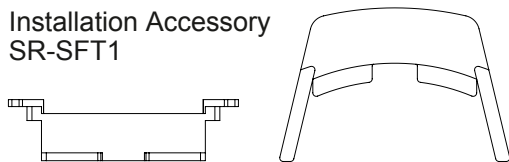


Installation Manual

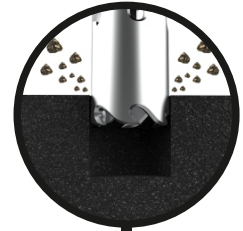

 Changing or not completing the described installation process can result in suspension of warranty.



Installation Accessory SR-SFT1



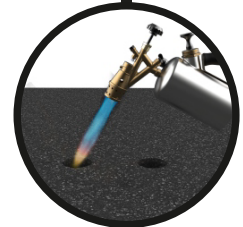
After deciding the location where the stud will be installed, drill a hole having a minimum diameter of 5.3" (135 mm) and minimum of 3.5" (90 mm) deep.



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



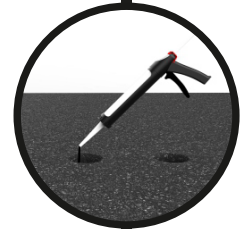
Dry the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the glue.



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-i19 with bidirectional LEDs, yellow on side 1 and yellow on side 2, always on mode, battery power supply.

