

TS-SR-70C

Omnidirectional, Stainless Steel LED Road Stud

General Description

Our TS-SR-70C stainless steel road stud features a durable, low maintenance design with outstanding visibility during the day and at night.

The TS-SR-70C is typically used for road delineation, bends/curves, roundabouts, crosswalks, and school zones.

Features

- 360° omnidirectional lighting.
- Only 0.6" (15.2 mm) above road surface.
- High visibility in day, night, and adverse weather conditions.
- Rugged, impact- and corrosion-resistant construction for harsh conditions.
- High mechanical resistance up to 160 tons.
- Snowplow-resistant.
- LEDs protected by polycarbonate window.
- Low maintenance, IP68-rated for dust-tight and waterproof protection.
- Silicone-free junction sealing technology enables faster, cleaner, and easier maintenance.
- Easy replacement: fixed base with removable main body.

Specifications

Modes of Operation:

- Always On (flashing, sequential, and dimming available via external controller)

LED Configuration:

- Multidirectional

Electrical:

- 12V/24V DC:
 - Max. Consumption: 160 mA
 - Power Cable: Wire 1 (+), Wire 2 (-)
 - Cable Section: 2 x 1.5 mm²
- 230V AC:
 - Max. Consumption: 9.5 W
 - Power Cable: Brown (L), Blue (N), Yellow/Green (PE)
 - Cable Section: up to 3 x 1.5 mm²
- Operating Temperature: -13°F to +185°F (-25°C to +85°C)



Optical:


- LED Count: 8
- LED Type: 5 mm
- LED Colors: White, Red, Yellow, Green, Blue
- Viewing Angle: 15°
- Lifespan: 100,000 hours (manufacturer specifications)

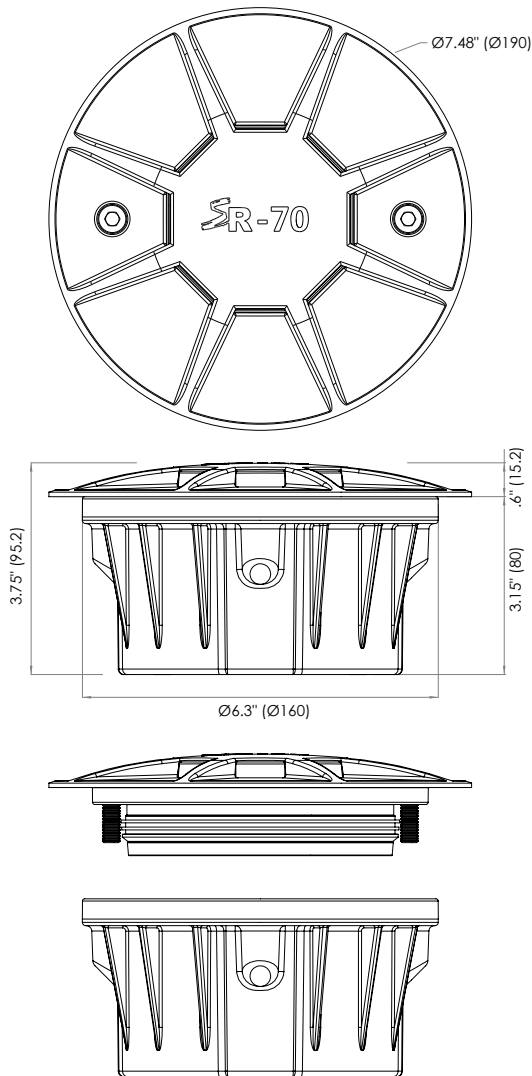
Mechanical:

- Top Material: Hard stainless steel league with good corrosion resistance and polycarbonate window
- Bottom Material: Aluminum
- Weight: 7.05 lb. (3.2 kg)
- Height Above Surface: 0.6" (15.2 mm)
- Mechanical Resistance:
 - Up to 135 tons (externally tested)
 - Up to 160 tons (internally tested)
- Dimensions: Ø7.48" (Ø190 mm) diameter x 3.75" (95.2 mm) height
- Ingress Protection: IP68
- Impact Rating: IK10

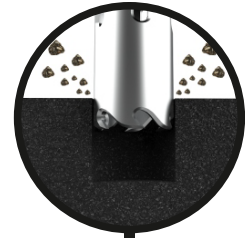


Installation Manual

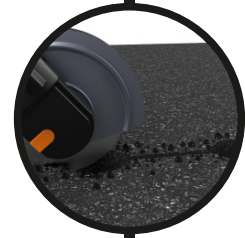

 Changing or not completing the described installation process can result in suspension of warranty.



After deciding the location where the stud will be installed, drill a hole having a diameter of 6.7" (170 mm) and minimum of 3.5" (90 mm) deep.



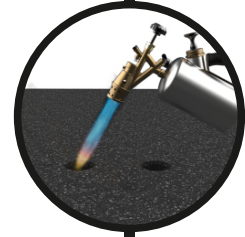
Using a disk cutter, open a connection between the holes with .59" (15 mm) width and 2.36" (60 mm) depth.



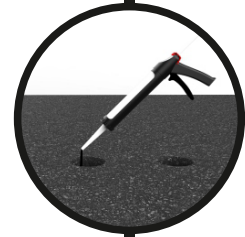
Brush any debris or dust from the hole resulting from drilling.



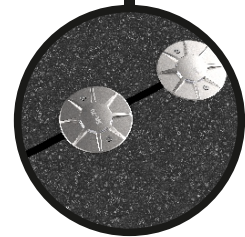
Dry the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the glue.



Pour ±5.5 lb. (±2.5 kg) of SikaFlow-648 in the hole and insert the stud. Depending on the hole size and the opening for the cables, the glue quantity could be slightly above.



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



Ordering Information

Example: TS-SR-70C, yellow color with 2 connection cables

TS-SR-70C-Y-C2

Product Series

LED Color

See Cable Layout

- W = White
- WW = Warm White
- R = Red
- Y = Yellow
- G = Green
- B = Blue



Cable Layout:

