

# TS-SR-5500L Photoluminescent Road Stud

## General Description

The TS-SR-5500L is an eco-friendly photoluminescent road stud that provides nighttime roadway illumination without requiring any electrical connection. The glow-in-the-dark feature allows the road stud to store ambient light throughout the day and then re-emit this stored energy at night. The storing-emitting function can be used repeatedly and has long average life.

The road stud's low-profile design rises only 0.81" (20.5mm) from the surface and its robust aluminum construction is designed to resist high impacts. The top part of the stud can be easily changed, making maintenance simple.

The road stud's auto-illumination feature substantially enhances nighttime road safety by providing guidance to drivers, cyclists, and pedestrians. The road stud is appropriate for traffic zone edges, parking lots, pedestrian and bike paths, and areas that lack streetlights.

## Features

- Provides nighttime roadway illumination without requiring any electrical connection
- Low profile design allows free movement of equipment and personnel
- Robust aluminum construction resists high impacts
- Top part of the stud can be easily changed, making maintenance simple
- Fast and easy installation

## Applications

- Appropriate for traffic zone edges, parking lots, pedestrian and bike paths, and areas that lack streetlights
- Due to its photoluminescent capability, this road stud must be installed in areas that receive sufficient ambient light

## Photoluminescent Specifications

- Color: Yellow-Green
- Measurement performed according to standard D65 1000lx after 10 minutes excitation.

Luminescent intensity after:  
 10 minutes > 1000 mcd / m<sup>2</sup>  
 60 minutes > 200 mcd / m<sup>2</sup>



## Mechanical Specifications

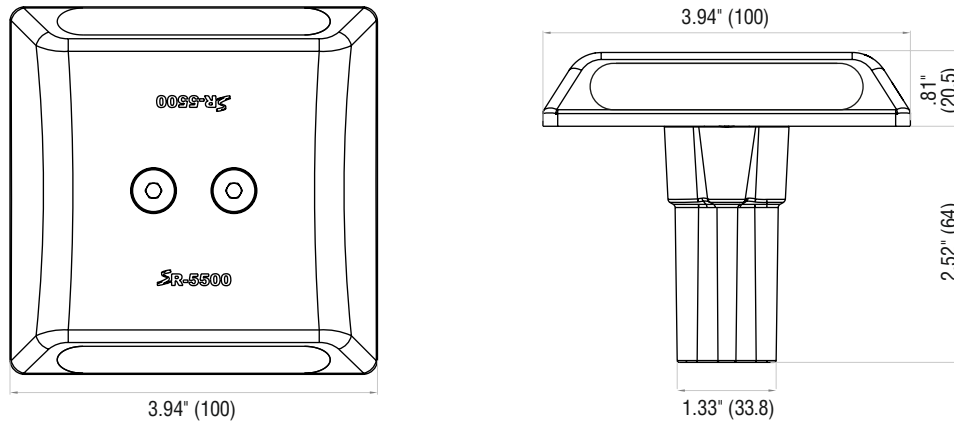
- Material: Cast aluminum alloy
- Rising from Surface: 0.81" (20.5mm)
- Mechanical Resistance: 60 Tons
- Weight: 1 lb. (0.45 Kg)
- Dimensions: 3.94" x 3.94" x 3.33" (100 x 100 x 84.5mm)
- Protection Index: IP68, IK10

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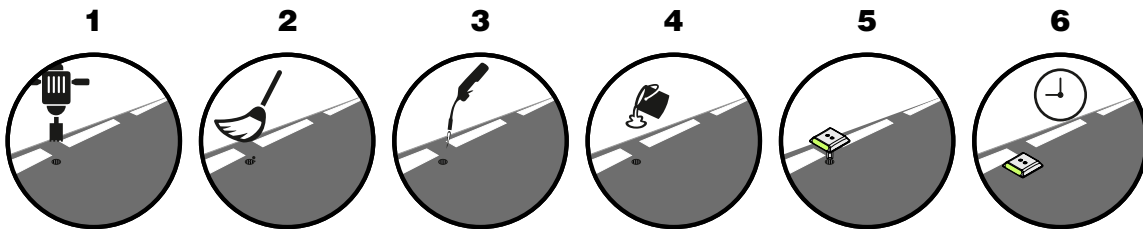
### Dimensions (mm)



### Installation Procedure



Personal protective equipment must be worn during installation process.



- 1** After deciding the location where the stud will be installed, drill a hole having a minimum diameter of 1.57" (40mm) and 2.95" (75mm) deep.
- 2** Brush any debris or dust from the hole resulting from drilling.
- 3** Dry the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the grout.
- 4** Pour ULTRAFLOW 4000/8 grout in the hole.
- 5** Insert the road stud into the hole facing the correct direction and press until it touches the surface. Remove any excess grout.
- 6** The grout drying time may change depending on weather conditions. Consult the grout data sheet for more information.

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