

# SR-45IPW



## Hardwired Road Stud

SR-45IPW is an Inductive Power Supply Road Stud that makes the installation easier through the Plug & Light concept. This non-wired connection between the top part and base, allows a faster maintenance, reducing the costs associated with it. The induction assures a better connection of road studs without a significant loss of power. All road studs are connected to the Control Central Unit to allow several control features. It is a cost effective solution that meet the most demanding applications on road safety.

### KEY FEATURES

- Safe product: no risk of electrical shock
- Waterproof: developed to work into water or humidity
- Easy to install: Plug & Light
- Total solution: full integrated system that saves space (LED+Driver+Waterproof)
- Suitable for regular traffic areas of heavy vehicles
- High mechanical resistance: 120 Tons
- Appropriate for snow areas due to its snow plough resistance
- Robust construction, suitable for harsh conditions
- Rising from road surface of 8,7mm
- High brightness during day and night
- Possibility of connection of **N** elements
- Wired system that can be powered by electric or solar energy
- Up to 1Km visibility distance due to high intensity led's
- Possibility of different color LEDs per window
- Low maintenance



### MODES OF OPERATION

Always On

\*Other modes of operation like flashing or sequential are available with external controller

### LED'S CONFIGURATION

Unidirectional

### ELECTRICAL FEATURES

Power Supply	230V AC
Power Consumption	5W
Power Cable	Brown (Line)   Blue (Neutral)
Signal Cable	Brown (PWM)   Blue (Earth)
Working Temperature	-25 °C a +85°C

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## OPTICAL FEATURES

**Led Quantity**  
8 Led's

**Led Type**  
5mm

**Led Colors**  
White, Warm White, Red, Amber, Green,  
Blue

**Viewing Angle**  
15°

## MECHANICAL FEATURES

**Material**  
**Bottom Part:** Aluminum  
**Top Part:** Hard stainless steel league with  
good corrosion resistance and  
polycarbonate window

**Mechanical Resistance**  
120 Tons

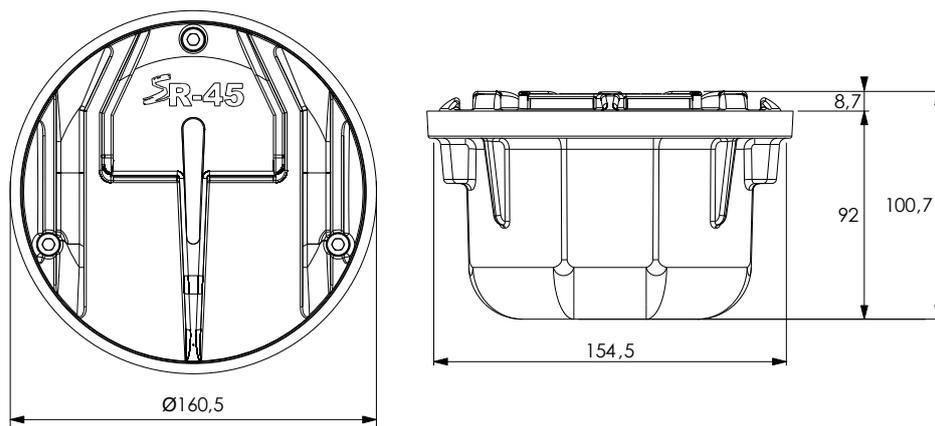
**Weight**  
3,5 Kg

**Protection Index**  
IP68, IK10

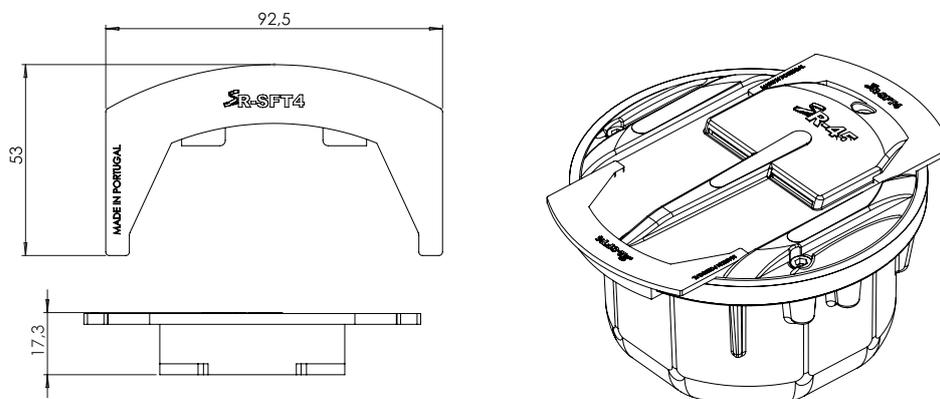
**Dimensions**  
Ø160,5 x 100,7 mm

## DIMENSIONS (mm)

### SR-45 ROAD STUD



### SR-SFT4 INSTALLATION ACCESSORY



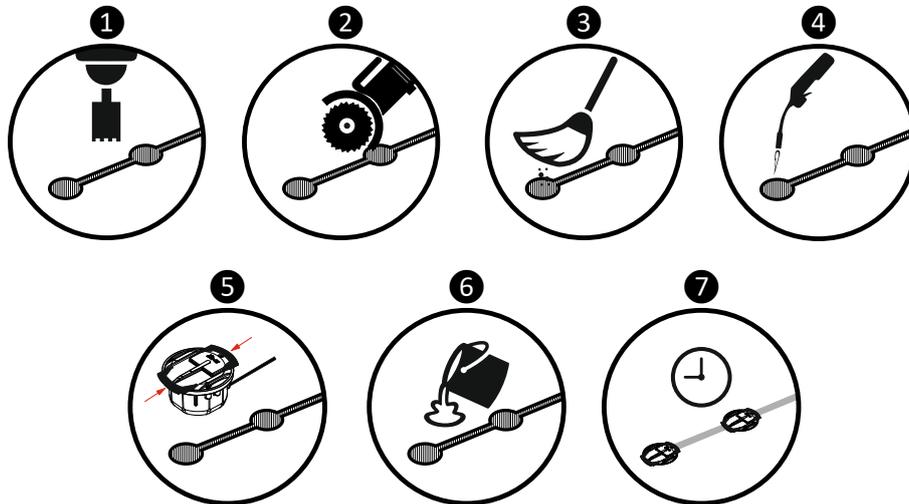
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## INSTALLATION PROCEDURE



To do the installation Personal Protective Equipment must be worn during all process.



- 1 After deciding the location where the stud will be installed, drill a hole having a minimum diameter of 165 mm and 150 mm deep.
- 2 Using a disk cutter, open a connection between the holes with 15mm width and 150mm depth.
- 3 Brush any debris or dust from the hole resulting from drilling.
- 4 Dry the hole with a blowtorch to remove any moisture that may compromise the adhesion and effectiveness of the glue.
- 5 Apply in each installed that will be installed the SR-SFT4 installation accessory. The accessory will help to align e keep the road stud in place during the glue drying time. This accessory will be removed at the end of the installation
- 6 Pour  $\pm 2,5$ Kg of glue **Sikadur 42 SP** in the hole and insert the stud checking that the led's are facing the right way. Remove any excess remaining of glue.
- 7 The glue drying time may change depending on weather conditions. Consult the glue data sheet for more information.  
After the glue has dried, the top part of the SR-SFT4 accessory should be broken and removed.

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

## TYPICAL INSTALLATION ILLUSTRATION

