

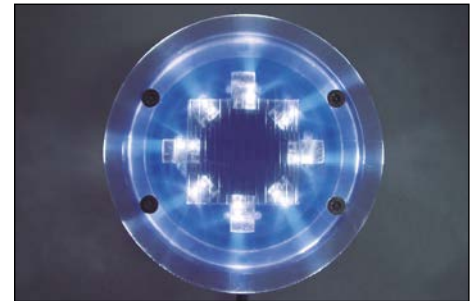


**Traffic Safety Corporation**  
 2708 47th Ave.  
 Sacramento, CA 95822-3806  
 Toll Free: 888.446.9255  
 Tel: 916.394.9884  
 Email: sales@xwalk.com  
 Web: www.xwalk.com

**TS-SR-i35**  
**360° Intelligent Solar**  
**LED Road Stud**

**Features**

- Use of microcontroller technology.
- Well-suited for road areas with cycling infrastructures and pedestrian zones.
- Bicycle friendly, only .67" (17mm) above road surface.
- 360° lighting.
- Low maintenance, 100% waterproof.
- SLEEP mode to prevent discharge during storage / transport.
- Constant brightness during all functioning period.
- Protection against deep discharge of the batteries / capacitors.
- High performance photovoltaic solar module.
- Energy storage in super capacitors or batteries.
- Internal prismatic system.
- Many LED color options available for a wide variety of applications.



**Specifications**

**Modes of Operation:**

- Always On or Flashing

**LED Configuration:**

- Multidirectional

**Electrical:**

| Power Supply                       | Always On                        |           | Flashing |           |
|------------------------------------|----------------------------------|-----------|----------|-----------|
|                                    | Battery                          | Capacitor | Battery  | Capacitor |
| Autonomy After Full Charge (hours) | 1000                             | 35        | 2500     | 70        |
| SLEEP Mode Autonomy                | 12 Months <sup>1</sup>           |           |          |           |
| Working Temperature                | -13°F to +185°F (-25°C to +85°C) |           |          |           |

<sup>1</sup> Battery version only. After 12 months it is necessary to recharge the road stud a minimum of 2 sunny days.

**Optical:**

- LED Quantity: 4 LEDs (Multidirectional)
- LED Type: 5mm
- LED Colors: White, Red, Yellow, Green, Blue
- Viewing Angle: 15°

**Mechanical:**

- Material: Aluminum and Polycarbonate
- Mechanical Resistance: 18 tons
- Weight: 2.2 lb. (1 kg)
- Protection Index: IP68, IK10
- Dimensions: 5.71" (145mm) diameter x 3.5" (89mm) height



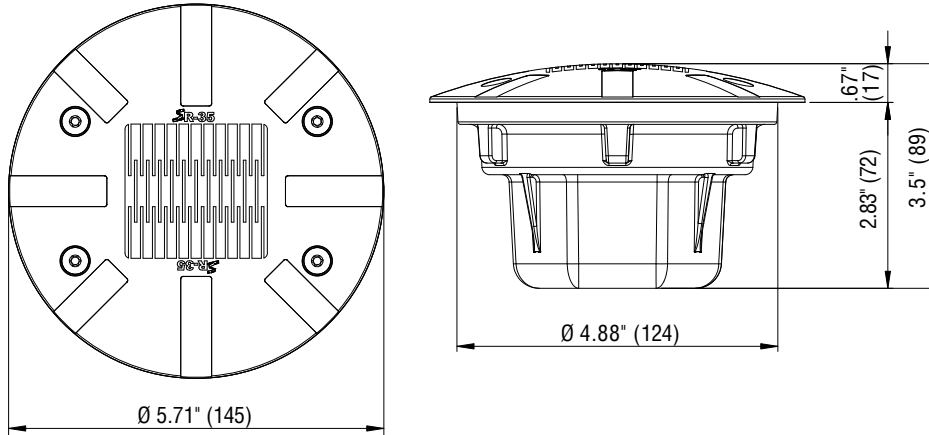
**Visit our web site: [www.xwalk.com](http://www.xwalk.com)**



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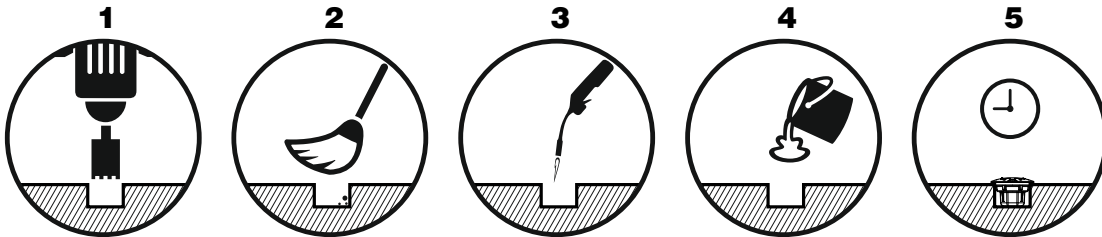
**Dimensions (mm)**



**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 5.12" (130mm) and 3.15" (80mm) 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 ±4.4 lb. (±2 kg) of SikaFlow-648 grout in the hole and insert the stud checking that the LEDs are facing the correct direction. Remove any excess grout.
- 5** 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.**

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**TS-SR-i35**



**Models**

- TS-SR-i35-4W-F-C
- TS-SR-i35-4R-F-C
- TS-SR-i35-4Y-F-C
- TS-SR-i35-4B-F-C
- TS-SR-i35-4G-F-C

**Description**

- Solar i-Stud, 4 LED / Flashing / Capacitor
- "
- "
- "
- "

**Color**

- White
- Red
- Yellow
- Blue
- Green

**Operating mode option:**

- TS-SR-i35-4X-A-C Always ON (With Capacitor)
- TS-SR-i35-4X-F-B Flashing (With Battery)
- TS-SR-i35-4X-A-B Always ON (With Battery)

**Color combinations:**

by request

**OBS.:**

Cable standard (included): 0.75mm<sup>2</sup> wire section  
**Different cable layouts and length should be requested upon order!**  
 Standard mode: Always ON. For flashing or sequential mode, a microcontroller is required.

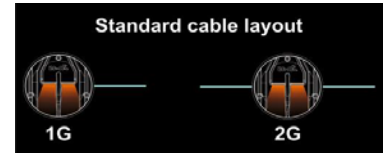
**Cable Gland:**

TS-SR-35C-XXX-2G

2 Cable Glands

**Color combinations:**

by request



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