

# ECO-850

LOW-VOLTAGE - Embedded low-voltage studs

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### Powerful LED stud with high light intensity.

ECO-850 extra low voltage hardwired unit, very powerful for daytime visibility and through fog. Easy maintenance, very low projection for road installation, controllable with ECO-INNOV MC-500 controller range.

### Applications

Raised platforms, Roads / Expressways, Car parks, Roundabouts, Pedestrian crossings

### Resistance



### Standards



20 Joules

### LED Colors



### Beaconing

4 LED, Constant, Blinking, Synchronized blinking, Sequential, Grazing

### Customization

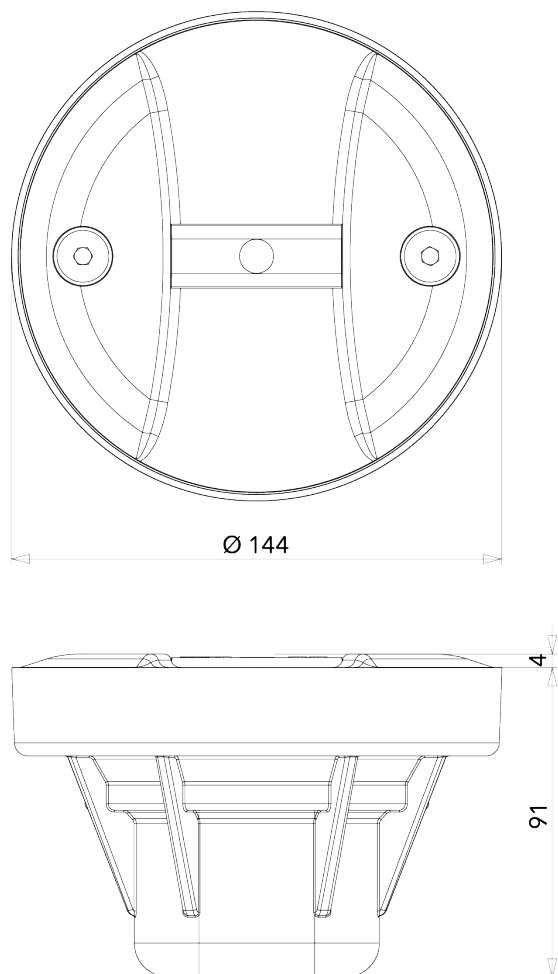
Custom wiring, Stainless steel cap, Snowplough cover

### Recycling



### Certifications





Cables and cable glands not shown. Unit : mm - Tolerance +/- 0.5mm. © Eco-Innov - All rights reserved.

### TECHNICAL CHARACTERISTICS

#### Dimensions and weight

Upper diameter: 144 mm.

Total height: 95 mm.

Height above roadway: 4 mm in the centre of the stud (suitable for snow plough blades).

Weight: approximately 2 Kg.

#### Materials

329LN stainless steel alloy (cover), Aluminium (base), Polycarbonate (optical module), Recycling managed by ECOSYSTEM.

#### Power supply and consumption

24V DC / 4,8 W.

#### Electrical class

Class III.

#### Operating temperatures

-30°C to +85°C.

#### Applications

Suitable for heavy traffic. Supports heavy vehicle traffic.

#### Connection system

1 or 2 cable glands and 3 metres of HO7RN-F 2×1.5 mm<sup>2</sup> cable by default.

Additional cable or pre-wiring of the studs between them on request.

#### Pressure resistance

More than 160 tons on the surface of the stud.

#### Protection indices

IP 68 (watertightness).

IK 10 (impact resistance).

#### Pressure resistance

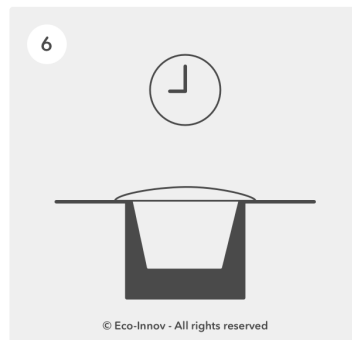
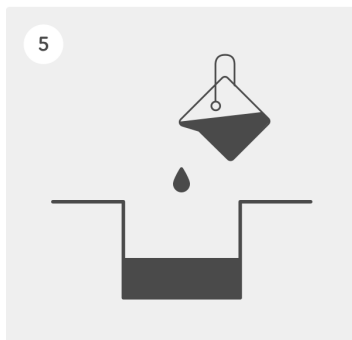
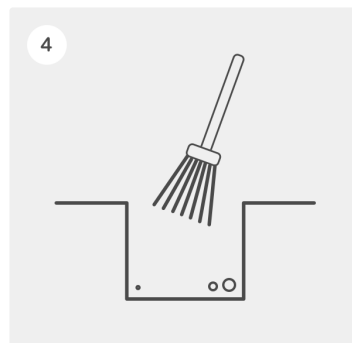
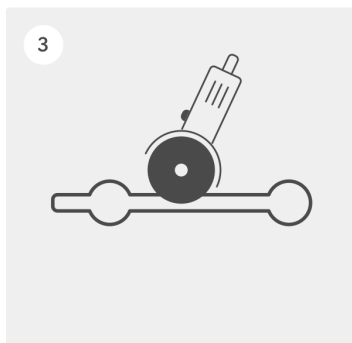
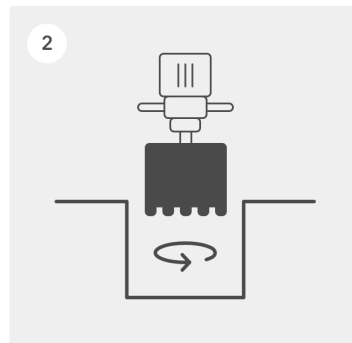
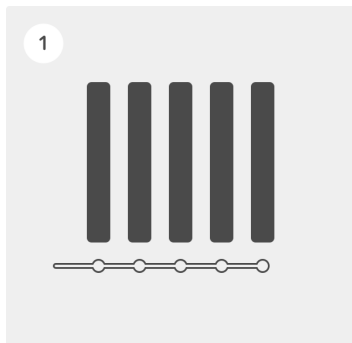
Suitable for the passage of 40-tonne trucks.

### LIGHTING CHARACTERISTICS

Unidirectional 4 LED or bidirectional 2×2 LED beaconing.

Fixed, blinking or sequential mode.

LED colours: white, blue, green, red, amber.



1 - Mark the location of the studs.

2 - Make a circular core hole at least 152 mm in diameter and 100 mm deep.

3 - Dig a trench at least 25 mm wide and 70 mm deep between the holes.

4 - Clean and dry the holes and the trench to remove all dust and traces of moisture that would reduce the effectiveness of the adhesive (follow the instructions of the adhesive used).

5 - Pour the appropriate sealing adhesive into the holes, then after installing the installation fins, insert the pre-wired studs into the adhesive. Use a mallet to position the stud flush with the ground surface. Make sure the LEDs are facing the right way and are parallel to the ground. Immediately wipe off any adhesive residue with a clean, dry cloth. We recommend SIKADUR 30 two-component epoxy adhesive.

6 - Place a weight on the stud until the adhesive has set (refer to the instructions for use of the adhesive to respect the necessary setting time).

**IMPORTANT:** Take care not to bend the cable at the exit of the cable gland. Protect the cables in a sheath.

Failure to comply with the above instructions may result in the warranty being suspended.

**Lifespan and warranty**

Average lifespan more than 5 years in 24-hour operation.

2 year warranty\*.

Easy maintenance through removable cover.

\* The guarantee applies in the event of a complete failure of the lighting system within the framework of normal use and an installation in conformity with our recommendations. It covers replacement of the faulty article with an identical model delivered free of charge to destinations in France, after the faulty article has been returned and analysed. On-site intervention fees are not included. Mechanical damage are not covered by the warranty.

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**Recycling**

ECO-INNOV is a founder member of a network that recycles professional WEEE, managed by the eco-organisation ECOSYSTEM. We pay for our customers' electronic safety, lighting and regulation equipment to be collected at the end of its working life in order to meet our legal obligations and help them to meet theirs.

The unique identifier FR006801\_05MBCK attesting to registration in the register of producers in the EEE sector, pursuant to article L.541-10-13 of the Environmental Code, has been assigned by ADEME to the company ECO-INNOV (SIRET 451 859 409 00026). This identifier certifies its conformity with regard to its obligation to registration in the register of producers of Electrical and Electronic Equipment and the realisation of its declarations of placing on the market with Ecosystem.

ECO-INNOV is thus one of the first producers to offer its customers a simple and free solution for collecting their professional WEEE, regardless of when it was marketed. The equipment is collected via a network of professional waste collection centres and certain wholesalers.



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