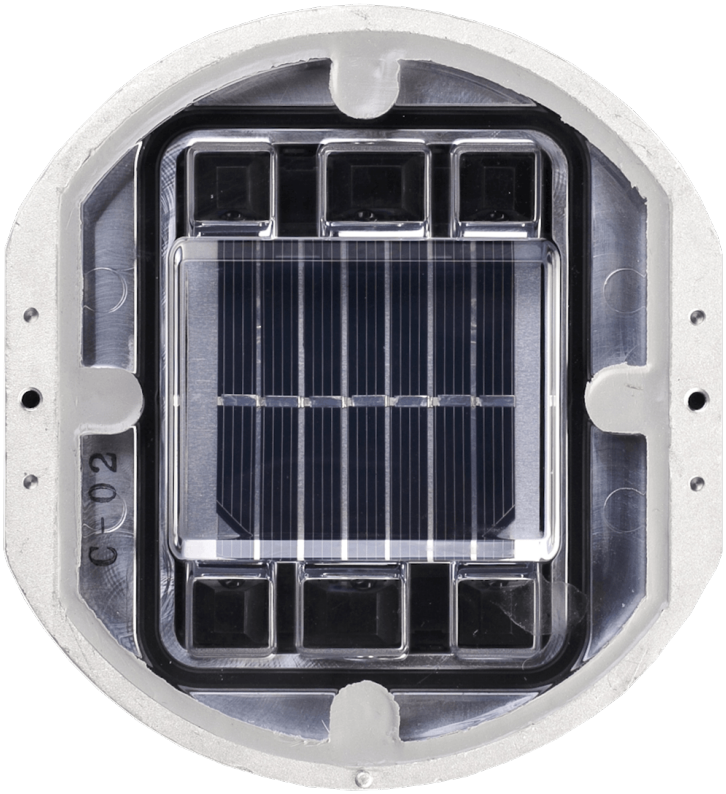
ECO-142

SOLAR - Embedded solar studs



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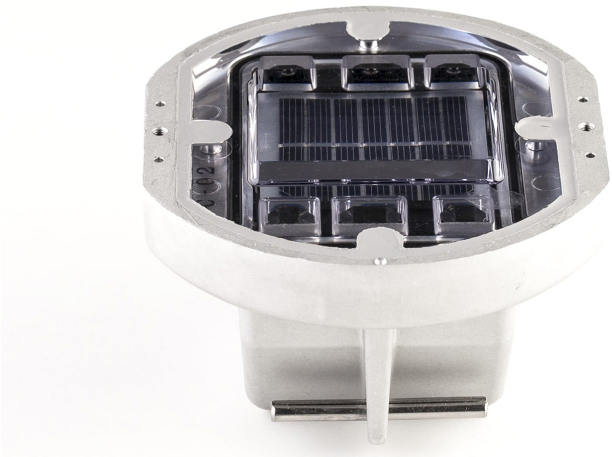
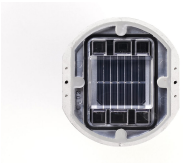
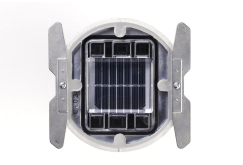
Presentation







Road embedded solar stud

Fully self-contained luminous beaconing solution. Beaconing of pedestrian crossings, raised platforms, etc. Suited to roads with regular heavy vehicle traffic.

Applications

Roundabouts, Pedestrian crossings, Chicanes / Build-outs, Raised platforms, Roads / Expressways

Resistance

40T

Standards

IK10+ IP68

100 Joules

LED Colors

Red Amber 6500K Green Blue

Beaconing

1 LED, 2 LED, 6 LED, Constant, Blinking, Grazing

Customization

Stainless steel cap, Snowplough cover

Recycling

Certifications

RoHS COMPLIANT 2002/95/EC

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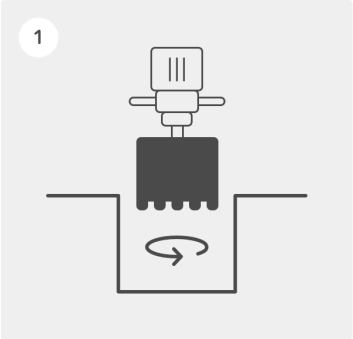
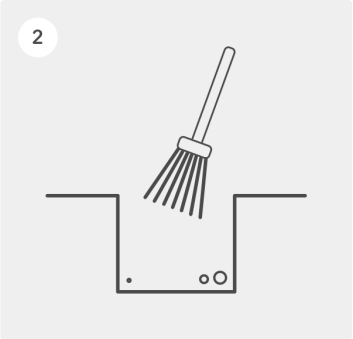
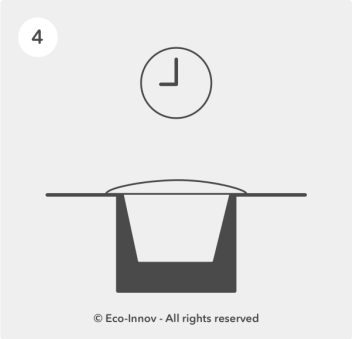
Characteristics







TECHNICAL CHARACTERISTICS

Dimensions and weight
Upper diameter excluding fins: 142 mm. Total height: 83 mm.
Height above roadway: 5 mm.
Weight: approximately 980 g.

Materials
Aluminium, Polycarbonate, Silicon (photovoltaic panel).
Recycling managed by ECOSYSTEM.

Energy storage
Condenser.

Working temperature range
-20°C à +80°C.

Protection indices
IP 68 (watertightness).
IK 10+ 100 Joules (impact resistance).

LIGHTING CHARACTERISTICS

Unidirectional or bidirectional, constant or blinking beaconing 2Hz or 4Hz (flashes per second) ±10%.
LEDs Ø 5 mm – Angle 15° (brand: NICHIA®).
LED colours: white, blue, amber, red or green.

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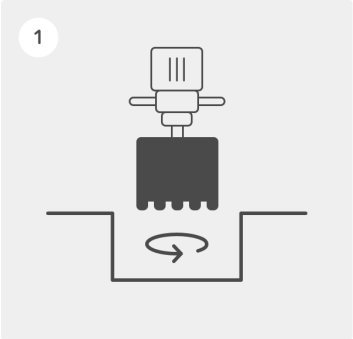
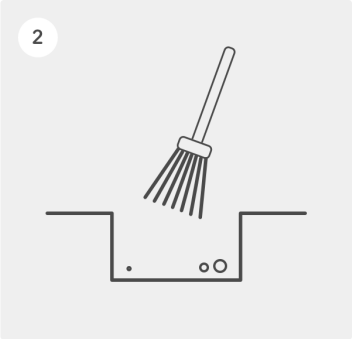
Installation





1 – After deciding where the studs are to be installed, drill a hole with a minimum diameter of 160 mm and 90 mm deep.

2 – Carefully brush and clean the hole to remove any dust and traces of damp that would affect the efficiency of the adhesive.

3 – Pour the bonding adhesive or mortar into the hole to about 2/3 of the height. We recommend using Sikadur 30 two part epoxy adhesive.

4 – Press the stud into the adhesive, making sure the LEDs are facing the right way. Remove any residual adhesive with a dry cloth and leave it to set for several hours depending on the ambient temperature (see the adhesive manufacturer's instructions). Lastly, remove the plastic film protecting the stud's polycarbonate screen.

Remark : make sure to keep the module and LEDs clean and protect them throughout these operations.

Failure to comply with these instructions may lead to the guarantee being suspended.

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Lifespan and warranty

Average lifespan more than 10 years.
2-year warranty*

* The warranty applies in the event of complete failure of the self-contained lighting system during normal usage. 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.

For optimal operation, we recommended to install our solar equipment on sites with good light exposure.

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.

www.ecosystem.eco

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