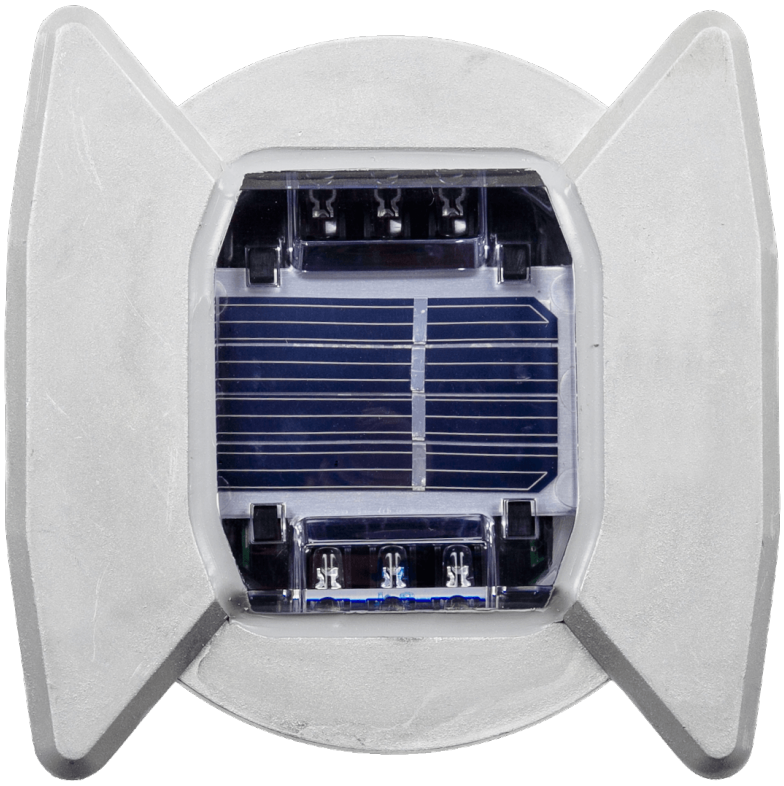
ECO-54

SOLAR - Embedded solar studs



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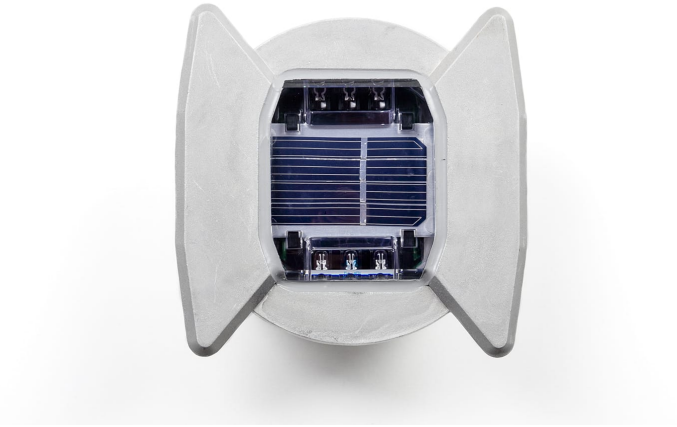
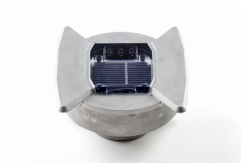
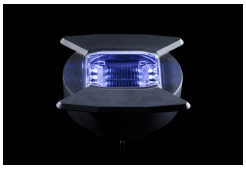
Presentation







Road embedded solar stud

Fully self-contained luminous beaconing solution, suited to roads with regular heavy vehicle traffic. Height above roadway almost nil.

Applications

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

Resistance

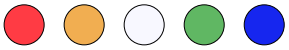
Standards

IK10+

80 Joules

IP68

LED Colors



Beaconing

3 LED, 6 LED, Constant, Blinking, Grazing

Recycling

ecosystem batribox

Certifications

RoHS COMPLIANT 2002/95/EC CE CAPTRONIC

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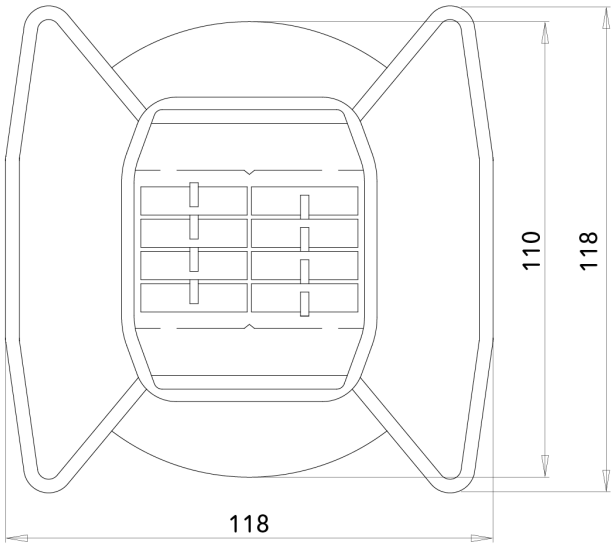
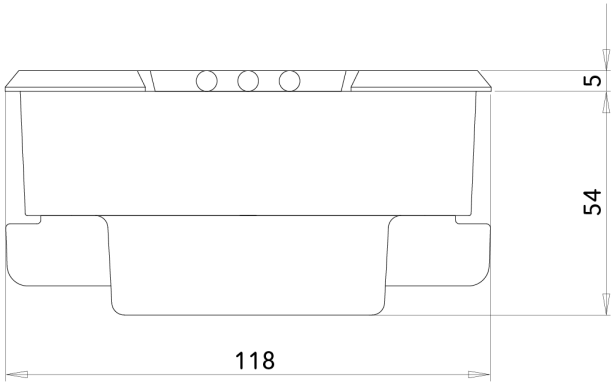
Characteristics





TECHNICAL CHARACTERISTICS

Dimensions and weight
Upper diameter : 110 mm. Total height: 59 mm.
Height above roadway : 5 mm.
Weight : approx. 600 g.
Fins for easier placing non-removable).

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

Energy storage
Ni-MH accumulator.

Working temperature range
-30°C to +85°C.

Protection indices
IP 68 (watertightness).
IK 10+ 80 Joules (impact resistance).

Pressure resistance
Withstands pressure of heavyweight trucks.
Static load strengh : more than 30 tonnes.

LIGHTING CHARACTERISTICS

Unidirectional or bidirectional beaconing, constant or blinking 4Hz (4 flashes per second) ±10%.
LED colours : cool white (other colours on request).

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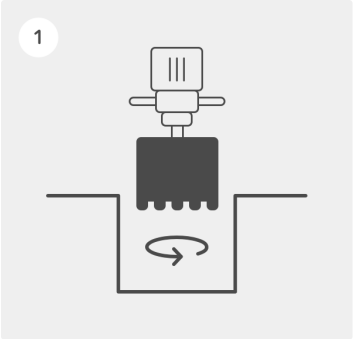
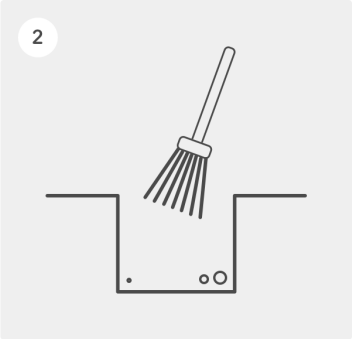
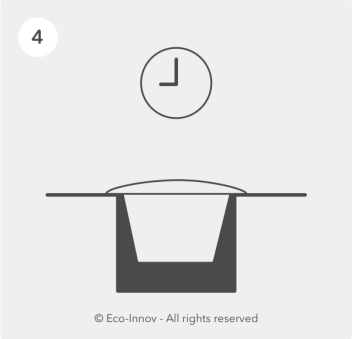
Installation







1 – After deciding where the studs are to be installed, drill a hole with a minimum diameter of 120 mm and 60 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 unsing Sikadur 30 two part epoxy adhesive.

4 – Remove the magnet on the side of the ECO-54 stud and press it 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 instruments). 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

Ni-Mh accumulator: Average lifespan more than 5 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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