ECO-CITY 35

SOLAR - Flexible solar bollard

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ECO-CITY 35

Presentation

Solar-powered flexible bollard with LED lighting head

To make public spaces safer and protect the most exposed users (pedestrians, cyclists, etc.).
Charcoal grey in colour, it looks like a traditional steel or cast iron post. Its luminous head is automatically activated at dusk to provide active lighting.
Its internal structure allows it to return to its initial position after being hit by a vehicle. It is also much less dangerous than a steel post for 2-wheelers in the event of a fall. The white strips and reflective glass beads provide passive lighting that complements the headlights of vehicles and 2-wheelers.

Applications

Pedestrian crossings, Cycle paths, Eco-districts, Footpaths

Standards

IK10 — 20 Joules

IP68

LED Colors

Red, Amber, 2700K, 3000K, 4000K, 6500K, Green, Blue

Beaconing

8 LED, 360°, Constant, Blinking, Synchronized blinking, Timer

Recycling

ecosystem

screlec

Certifications

RoHS COMPLIANT 2002/95/EC

CE

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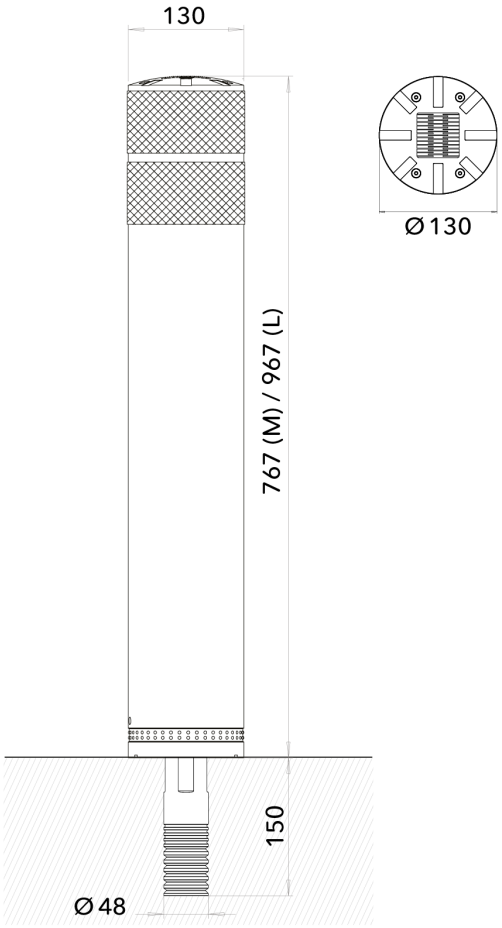
Characteristics



TECHNICAL CHARACTERISTICS

Description

Shape memory bollard that automatically springs back into place after an impact, without damaging the seal.
Protects users, particularly 2-wheelers, from head impacts compared to a steel post.
Active lighting with the integration of a solar-powered LED module at the top of the post.
Long service life and maintenance for a durable installation.

Dimensions

Diameter: 130 mm. Height above ground: 767 mm (M format) or 967 (L format).
Aluminium anchoring foot, diameter 50 mm x height 150 mm.

Installation instructions

Minimum core diameter 70 mm x depth 160 mm.
Sealed with SIKADUR 30 two-component epoxy adhesive.

Protection indices

IP 68 (watertightness).
IK 10 (impact resistance).

Energy storage

Ni-Mh accumulator.

Maintenance

Solar light head can be replaced.
Replacement of the flexible pole or simple temporary dismantling.

Working temperature range

-30°C to +80°C.

Application

Multi-modal meeting zones, demarcation of cycle paths, pedestrian crossings, etc.

LIGHTING CHARACTERISTICS

8 LED 360° beacons. Lighting mode: fixed or flashing at night with 1 flash per second (+/-10%).
Colours available: white 2700K, white 3000K, white 4000K, white 6500K, blue, green, red or amber.

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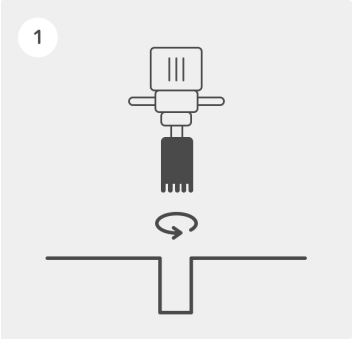
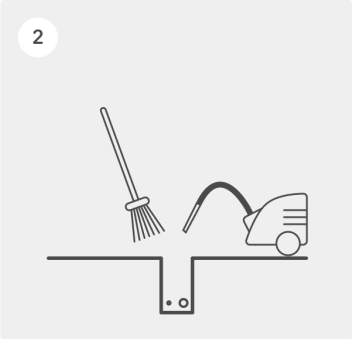
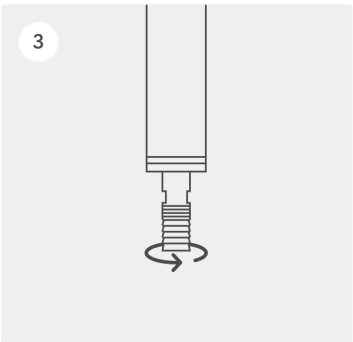
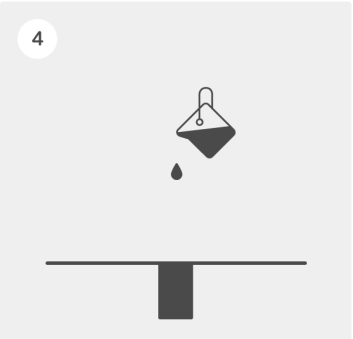
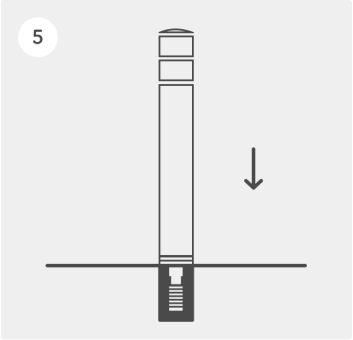
Installation

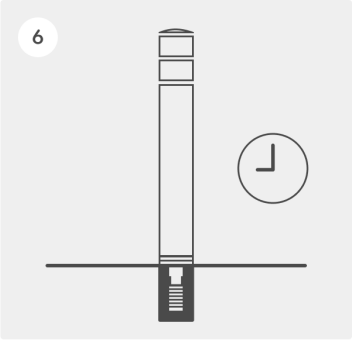












1. After deciding where the bollards are to be installed, drill a hole 70 mm in diameter and 170 mm deep.
2. Carefully brush and clean the hole to remove any dust and traces of damp that would affect the efficiency of the adhesive.
3. Screw the anchor foot firmly under the post.
4. Pour the appropriate bonding adhesive into the hole about 2/3 of the way down. To assess the correct quantity of adhesive, make sure that it extends all the way to the bottom of the post without creating any extra thickness. We recommend using SIKADUR 30 two-component epoxy adhesive.
5. Insert the bollard into the hole filled with adhesive.
6. Allow the adhesive to dry before applying any mechanical stress and before re-establishing traffic (refer to the adhesive's instructions for use).

Note – Throughout these operations, ensure that the solar module is kept clean and protected.

Failure to follow these instructions may invalidate the warranty.

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Lifespan and warranty

Average lifespan 7 years
2-year guarantee*

* The guarantee applies in the event of permanent shutdown of the autonomous lighting system under normal use and installation in accordance with our recommendations. It consists of replacing the faulty item with an identical model delivered carriage paid in mainland France, on condition that the out-of-service model is returned to us to analyse the electronic malfunction. The costs of removing the old solar cell and installing the new solar cell on site are not covered by the warranty. Mechanical damage and theft are not covered.

Our LED solar solutions are charged by daylight. To ensure that they work properly, we recommend that you install them on suitable sites (without shadows on the photovoltaic cell during the day).

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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