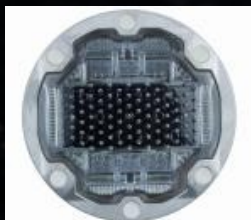


SOLAR ROAD STUD

**LIGHT THE ROAD.
DEFINE THE PATH.**

Active solar-powered road guidance for
safer nighttime mobility.



Solar Road Stud reference

Solar powered · Embedded road design · Active LED guidance · IP68 weather protection

IP68
WATERPROOF

>30 TON
COMPRESSION

>500 m
VISIBLE DISTANCE

>72 H
CONTINUOUS OPERATION
after approx. 8 h charge

*Manufacturer-stated performance under specified standard light condition. Final project specification should be confirmed before tender submission.

ENGINEERED FOR INDEPENDENT ROAD GUIDANCE

During daylight, the integrated solar panel charges the Lithium Polymer Battery. At low ambient light, LED guidance activates according to the selected operating configuration.

PRODUCT FORM



SOLAR PANEL

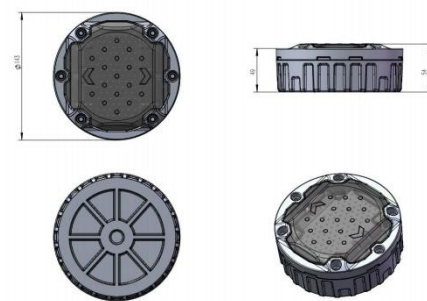
Integrated monocrystalline silicon

METAL BODY

Ribbed case + transparent optics

Original supplied product reference

DIMENSION REFERENCE



Ø143 × 54 mm

OPTICS & CONSTRUCTION

DUAL LED GUIDANCE

6 F8 direct-plug LEDs on both sides and 18 SMD 2835 LED elements. Edge light distribution.

HOUSING & SEALING

Metal case with potting / sealing and a silicone pad.

Active road delineation — not full roadway illumination.

INSTALLATION FLOW

- 01 PREPARE**
Set position and pavement recess.
- 02 CLEAN**
Remove dust, water, oil and dirt.
- 03 BOND**
Apply approved adhesive; seat firmly.
- 04 CURE**
Protect area until adhesive cures.

TECHNICAL SPECIFICATIONS

Solar panel	Monocrystalline silicon 5.5 V / 110 mA
Battery	Lithium Polymer Battery 3.7 V / 1000 mAh
Cycle life	>1,800 charge-discharge cycles*
Operating time	>72 h after approx. 8 h solar charging*
LED color	Yellow / white; custom colors subject to confirmation
Operating modes	Flashing / synchronized flashing / constant on
Activation light	60–100 lux
Visible distance	>500 m*
Compression	>30 tons*
Ingress rating	IP68 (manufacturer-rated)
Temperature	-20°C to +70°C
Weight	1,175 ± 10 g
Dimensions	Ø143 × 54 mm
Service life	3 years under normal use*

*Manufacturer-stated values under specified conditions. Verify certification scope, recess dimensions and adhesive curing before project use. IP68 does not imply third-party certification.