

See the future

Roadstuds

Three Dutch companies, which in their field of expertise want to be at the top of the world of Infrastructure, have combined efforts to develop and bring to market three solar powered LED products.

The combination of the worldwide patented* solarcell technology and the expertise of these Dutch companies, has led to three different types of products which stand out in the market because of their quality, reliability and robustness.

These three products, also known as the Solar Vision 01, 02 and 03 are roadstuds using the patented* solarcell technology where one single solarcell is used instead of serial connected solarcells which strongly increases charging efficiency.

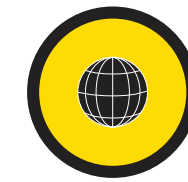
Each model has its own field of application which make the roadstuds applicable almost anywhere (for example roads, roundabouts, pantoons or footbridges).

Besides delivering products, Global Solar Vision also provides knowledge and services to their distributors for maximum benefits. We will gladly discuss the challenges of active road marking or lighting of public areas with you in order to deliver the results you need.

Benefits of the Global Solar series of roadstuds:

- No cables and electricity charges
- Durable and environmentally safe
- Easy and quick to install
- Available from stock

* Patentnumbers: WO2002NL00069 en EP1356576



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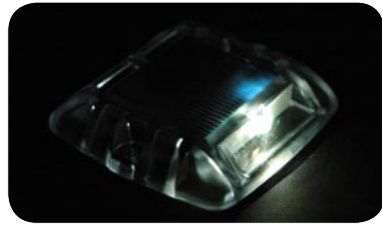
See the future



Solar Vision 1

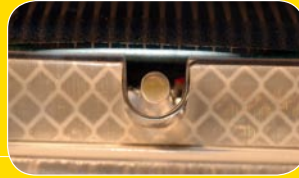
Solar Vision 2

Solar Vision 3



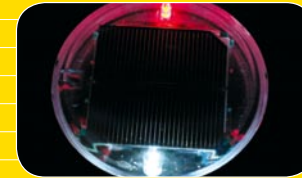
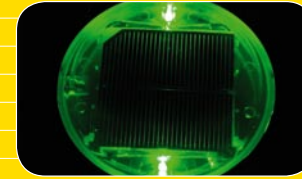
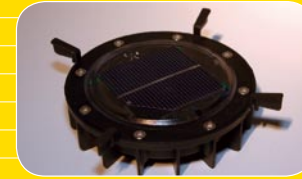
Solar Vision 1 | Road-side-stud

A non-knock down Roadstud applicable for mounting on elements, roads and paths in places where it does not get in contact with heavy traffic.



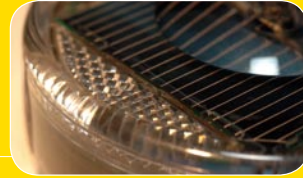
Solar Vision 2 | In-the-road-stud

A non-knock down Roadstud applicable for mounting on elements and roads in places where it comes in contact with heavy traffic.



Solar Vision 3 | Round-about-stud

A non-knock down Roadstud applicable for mounting in elements and pavements in places where it does not come in contact with heavy traffic.



Specification

Technology inside	LED and 2 reflectors
Power technology	Single solar cell and recharable battery
Power conversion	Worldwide patented Dc-Dc converter technology
Microcontroller	Microchip®
Housing material	GE polycarbonate - Lexan
LED configuration	Uni / Bi directional
Nr. of LED's	1 LED (2nd LED is optional)
LED manufacturer	Nichia®
LED Color options	White, Amber, Red, Green, & Blue
Frequency	60 Hz (continue on, optional flashing)
Angle of LED	0° - 15°
Light output of LED	> 17000 mCd
Power consumption	3,0 mA (1 LED)
Temperature range	-20°C - 60°C
Visibility	< 1 km
Type of solar cell	Mono crystalline, 50mm x 50mm, 0,35 Wp / 0,5 V
Battery type	Rechargeable Lithium polymere 1650 mAh
(Road) placement	Surface mounted
Weight	149 gram
Dimension	100mm x 100mm x 19,5mm
Flush mount housing	-
Feature	Not suitable for driving over

Specification

Technology inside	LED
Power technology	Single solar cell and recharable battery
Power conversion	Worldwide patented Dc-Dc converter technology
Microcontroller	Microchip®
Housing material	GE polycarbonate - Lexan
LED configuration	Uni / Bi directional
Nr. of LED's	2 LED's (3rd LED under diff. angle)
LED manufacturer	Nichia®
LED Color options	White, Amber, Red, Green, & Blue
Frequency	60 Hz (continue on, optional flashing)
Angle of LED	0° - 15° (3rd LED 45°)
Light output of LED	> 17000 mCd
Power consumption	5,0mA (2 LED's of 2,5mA each)
Temperature range	-20°C - 60°C
Visibility	< 1 km
Type of solar cell	Mono crystalline, 62mm x 62mm, 0,52 Wp / 0,5 V
Battery type	Rechargeable Lithium polymere 1650 mAh
(Road) placement	Flush mounted
Weight	310 gram
Dimension	Ø 101mm x 22,5mm (excl. lens thickness of 2,5mm)
Flush mount housing	Ø 128mm x 32mm
Feature	Suitable for driving over

Specification

Technology inside	LED and 4 prismatic reflectors
Power technology	Single solar cell and recharable battery
Power conversion	Worldwide patented Dc-Dc converter technology
Microcontroller	Microchip®
Housing material	GE polycarbonate - Lexan
LED configuration	Uni directional
Nr. of LED's	1 LED
LED manufacturer	Nichia®
LED Color options	White, Amber, Red, Green, & Blue
Frequency	60 Hz (continue on, optional flashing)
Angle of LED	90° (upwards)
Light output of LED	> 17000 mCd
Power consumption	3,0 mA
Temperature range	-20°C - 60°C
Visibility	< 1 km
Type of solar cell	Mono crystalline, 50mm x 50mm, 0,35 Wp / 0,5 V
Battery type	Rechargeable Lithium polymere 1650 mAh
(Road) placement	Flush mounted (in concrete curbs)
Weight	154 gram
Dimension	Ø 84mm x 25mm (excl. lens thickness of 7mm)
Flush mount housing	-
Feature	Not suitable for driving over

