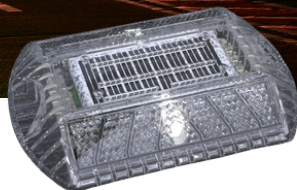




SolarLite Surface

Surface-mounted SolarLite® road stud for fast, simple installation - ideal for retrofit projects, temporary schemes and low-disruption installations.



The SolarLite® Surface is a DfT Type Approved, surface-mounted solar road stud designed to improve road safety through active illumination.

Delivering visibility of up to 900 metres, it provides drivers with earlier hazard recognition and improved route guidance in darkness, adverse weather and low-light conditions.

Designed for rapid installation with minimal disruption, the stud features a textured base that provides a strong bond directly to the road surface, eliminating the need for road cutting or mains power. Ideal for retrofit projects, temporary traffic management and permanent highway safety improvements, it offers a reliable, low-maintenance solution with an 8–10 year service life.

Key Features

- **DfT Type** and Network Rail Approved
- **Surface-mounted** design
- **Texturised base** for secure adhesive bonding
- **Fully solar-powered** and off-grid
- **8–10 year** service life

Key Benefits

- Fast, low-disruption installation
- Visibility up to 900m
- Improves road safety
- Lower whole-life costs
- Sustainable, off-grid operation

**Plan your
project with
our stud
calculator**



Typical Applications:

Road edge delineation
Rural roads
Junctions, Roundabouts & Level crossings
Temporary traffic management
Retrofit safety schemes
Traffic calming projects



Technical Specification

Reflector Colours	Amber, Red, White, Green, Blue
Operating temperature range	-30°C to +70°C
LEDs configuration	Uni / Bi-directional
LEDs per stud	1 per uni directional stud 2 per bi-directional stud
LED size	5mm (all colour variants)
LED Colours	Amber to EN1463/ Red to EN1463/ White to EN1376 C/ Green to EN1463/ Blue to EN1376 A
Approx max distance of view	Up to 900m dependant on road layout
LED output	>100Hz
Battery	Nickel metal hydride
Installation	Bonded to the surface with resin adhesive
Output - full charge	Approx 100 working hours with no solar input
Time to full charge	8 hours with 500W/m2 illuminance
Installation	Bonded directly to surface with resin adhesive
Housing colour	Transparent
Physical dimensions	w114.8mm x h18.3mm x 180.2mm (w4.52" x h0.72" x 13.16")
Physical dimensions	135g
Product reflector type	Corner cube plastic with abrasion resistant layer

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