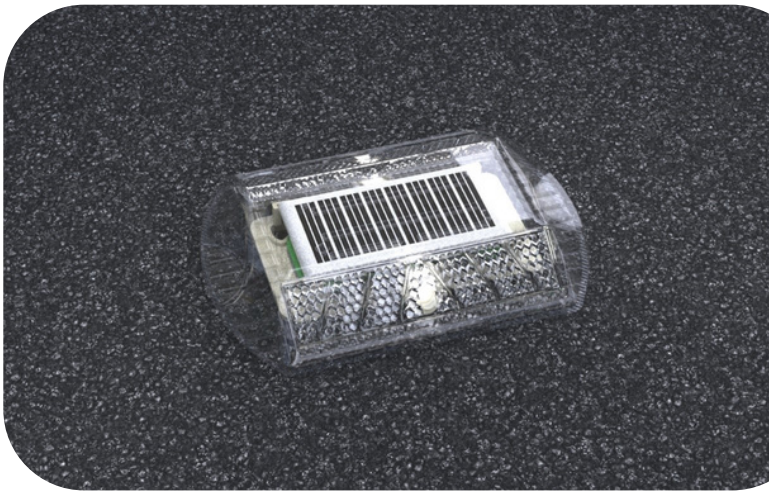
SolarLite Surface

Solar powered road stud to provide guidance and advance warning to road users day and night

Reflector colour	Amber, Red, White, Green, Blue
Operating temperature range	-30°C to +85°C
LED 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
Approximate max distance of view	Up to 900m dependent on road layout
LED output	>100Hz
Battery	Nickel metal hydride
Output - full charge	Up to 240 working hours with no solar input
Time to full charge	8 hours with 500W/m2 illuminance
Installation	Bonded directly to surface with Robnor resin adhesive
Housing colour	Transparent
Physical dimensions	w114.8mm x h18.3mm x l80.2mm (w4.52”xh0.72”xl3.16”)
Product weight	135g
Product reflector type	Corner cube plastic with abrasion resistant layer

SolarLite-Surface is an ‘active road stud’, providing enhanced visibility for drivers with an inbuilt solar powered LED to delineate the route ahead. The SolarLite-S allows for network operators, designers and maintainers alike to enhance a route with the benefits of active road studs to a driver whilst stud installation time is kept to a minimum.

The stud has been designed with a texturised base to allow for bonding of studs directly onto the road surface.



Benefits

- Enhanced distance visibility of road layout ahead compared to retro-reflective studs – even in poor weather conditions or on wet roads
- Allows additional driver reaction time to respond to changing road layouts
- Reduces erratic driving behaviour and promotes smoother braking along winding roads
- Retroreflective face of stud visible in daylight conditions

Features

- Superior solar energy harvesting & storage electronics designed to maintain light outputs throughout a full annual cycle
- Use where street lighting is either unavailable, not cost effective or environmentally not possible
- Eliminate mains power running costs for street lighting on the network by using efficient renewable energies to power active road studs