SolarLite Surface

Reflector colour	Amber, Red, White, Green, Blue
Operating temperature range	-30°C to +70°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

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

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

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