



Department
for Transport

Road Traffic Regulation Act 1984 Sections 64 and 65

Authorisation of traffic signs and special directions

Accessible transcript

Secretary of State for Transport's traffic authorisation of approval for road studs for use with the road markings shown in Schedules 7, 8, 9 and 11 of the Traffic Signs Regulations and General Directions 2016.

The following pages contain a copy of the text from the Secretary of State for Transport's traffic authorisation regarding the above sign/markings.

A scanned copy of the signed authorisation and supporting signs/markings from the application are appended to this letter. The supporting material is submitted to the Department for Transport by a third party. You should refer to the party involved for accessible copies of the supporting material.

ROAD TRAFFIC REGULATION ACT 1984 – SECTIONS 64 AND 65

APPROVAL OF TYPE OF STUD

The Secretary of State for Transport, in exercise of her powers under sections 64 and 65 of the Road Traffic Regulation Act 1984, and all other powers enabling her in that behalf, in accordance with the requirements of directions 7(4), 7(5) and 7(6) of the Traffic Signs General Directions 2016 (S.I. 2016/362) and having regard to directions 7(1), 7(2), 7(3), 7(7) to 7(11) and 11, hereby:-

1. approves the road studs specified below for use with the road markings shown in Schedules 7, 8, 9 and 11 of the Traffic Signs Regulations 2016 (Part 1 of S.I. 2016/362, “the 2016 Regulations”) in accordance with the provisions of Schedule 7, Part 3; Schedule 9, Part 8 and Schedule 11, Part 6 to those Regulations; and
2. directs that the adhesive used for fixing the SolarLite-S road stud into the 381 housing shall be Robnor resin EL628SS (Sol Fix epoxy); and

The provisions of Regulation 10 of the 2016 Regulations shall apply to the road studs specified below.

SPECIFICATION

Product identification	Clearview Intelligence SolarLite-S in 381 housing. (SolarLite-S 381) Part numbers 806350-0201 to 0215 Also branded: Prismo Road Markings SolarLite-S in 381 housing. (381.SolarLite-S) Part numbers 806350-0201 to 0215
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Description	Unidirectional or Bidirectional road studs with LED illumination
LED manufacturer's identification numbers	White (4150k-4500k) [REDACTED] Red [REDACTED] Amber [REDACTED] Green [REDACTED] Blue [REDACTED]
LED to comply with the chromaticity requirements of	prEN 1463-3 pt1 (Draft)
LED flash rate	100 Hz minimum, with each flash equally spaced
To be of the size and type shown on the drawing marked with the Department's number	GT50/197/0013-1, GT50/197/0013-2, GT50/197/0013-3

Dated *01 July 2026*

Signed by authority of the Secretary of State

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**SCANNED
AUTHORISATION
AND MAPS / SIGNS
FOLLOW**



ROAD TRAFFIC REGULATION ACT 1984 – SECTIONS 64 AND 65

APPROVAL OF TYPE OF STUD

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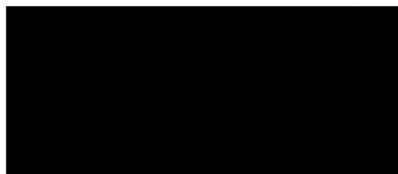
Department
for Transport

GT50/197/0013

Description	Unidirectional or Bidirectional road studs with LED illumination
LED manufacturer's identification numbers	White (4150k-4500k) [REDACTED] Red [REDACTED] Amber [REDACTED] Green [REDACTED] Blue [REDACTED]
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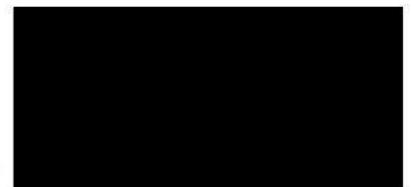
Dated *01 July 2026*

Signed by authority of the Secretary of State



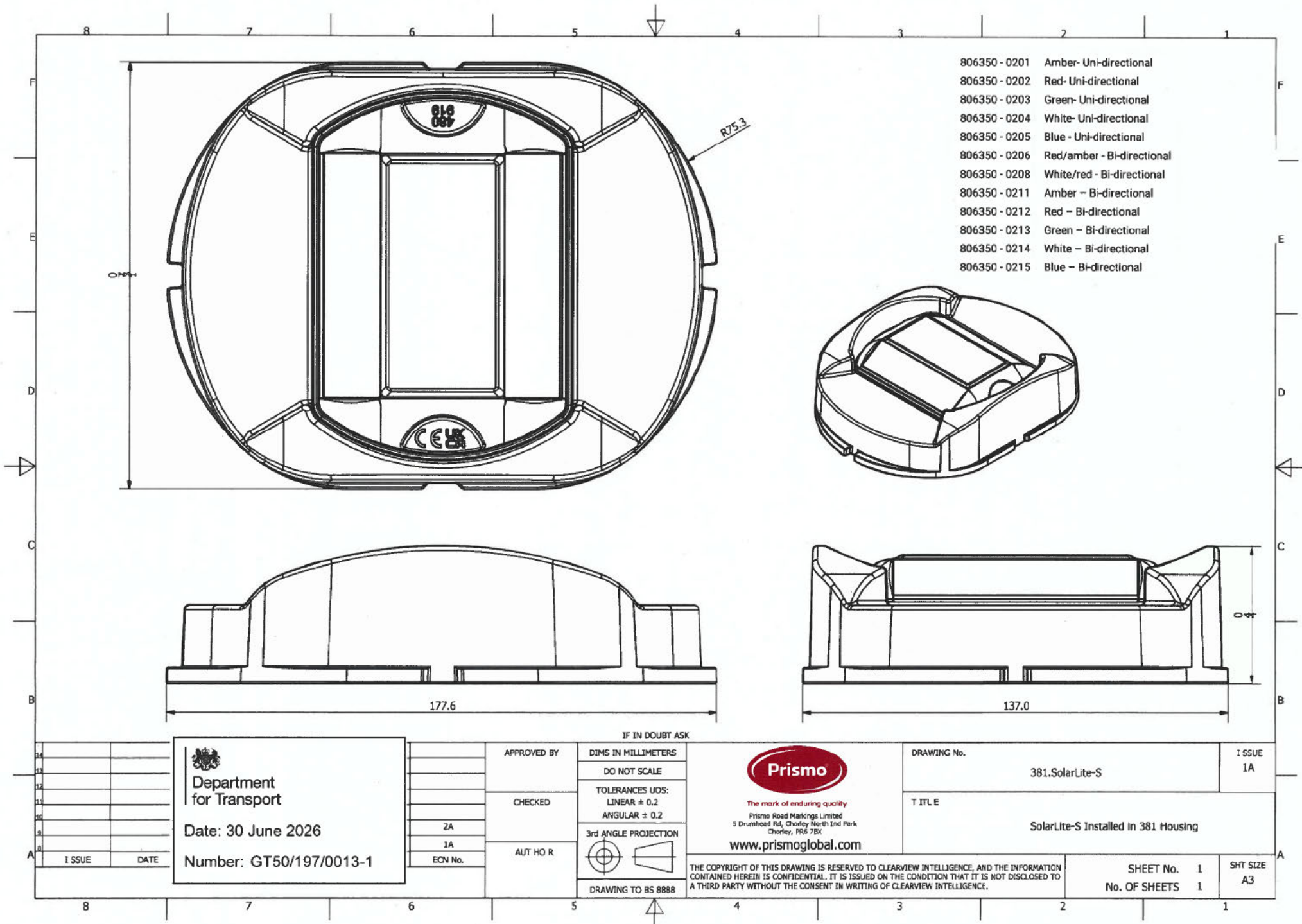
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A Delegated Official of the Department for Transport

CERTIFIED TRUE COPY



Department
for Transport

Date:
02/07/2026





381.SolarLite-S

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 156 working hours with no solar input
Time to full charge	8 hours with 500W/m2 illuminance
Installation	Stud bonded with Sol Fix epoxy
Housing colour	Transparent
Physical dimensions	L:80mm x W:140mm x H:40mm
Product weight	1.782 kg
Product reflector type	Corner cube plastic with abrasion resistant layer

Solar-powered road stud embedded within a cast iron housing - providing clear route guidance and advance warning to road users in low-light and reduced-visibility conditions

The 381 SolarLite-S is a solar-powered active road stud designed to provide guidance and advance warning to road users during hours of darkness and in low-visibility conditions. Featuring an integrated solar-powered LED, it enhances driver visibility by clearly delineating the route ahead. The 381 SolarLite-S enables network operators, designers and maintainers to improve route safety through the use of active road stud technology, while keeping installation time and disruption to a minimum.

The durable 381 cast iron housing provides additional protection for the stud, making it particularly suitable for lane delineation and other high-traffic applications where long-term performance and resilience are essential.



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Date: 30 June 2026

Number: GT50/197/0013-2

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

www.solarlite-studs.com

t: +44 (0)1908 088008 e: info@clearview-intelligence.com

Head Office: Aurora House, Deltic Avenue, Rookley, Milton Keynes, MK13 8LW



SolarLite is a part of Clearview Intelligence

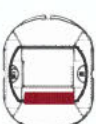
Product Options



Department
for Transport

Date: 30 June 2026

Number: GT50/197/0013-3

Symbol	Part Number	Description
	806350 - 0201	SolarLite-S Amber- Uni-directional in 381 Casting
	806350 - 0202	SolarLite-S Red- Uni-directional in 381 Casting
	806350 - 0203	SolarLite-S Green- Uni-directional in 381 Casting
	806350 - 0204	SolarLite-S White- Uni-directional in 381 Casting
	806350 - 0205	SolarLite-S Blue - Uni-directional in 381 Casting
	806350 - 0206	SolarLite-S Red/amber - Bi-directional in 381 Casting
	806350 - 0208	SolarLite-S White/red - Bi-directional in 381 Casting
	806350 - 0211	SolarLite-S Amber – Bi-directional in 381 Casting
	806350 - 0212	SolarLite-S Red – Bi-directional in 381 Casting
	806350 - 0213	SolarLite-S Green – Bi-directional in 381 Casting
	806350 - 0214	SolarLite-S White – Bi-directional in 381 Casting
	806350 - 0215	SolarLite-S Blue – Bi-directional in 381 Casting