



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 road studs shall be Robnor resin EL628SS or Triflex Cryl R 238S; and

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

SPECIFICATION

Product identification	Clearview Intelligence SolarLite-Surface. Part numbers 806338-001 to 015
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	GT50/197/0012-1, GT50/197/0012-2, GT50/197/0012-3, GT50/197/0012-4

Dated *15 April 2025*

Signed by authority of the Secretary of State

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A Delegated Official of the Department for Transport

**SCANNED
AUTHORISATION
AND MAPS / SIGNS
FOLLOW**



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
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Product identification	Clearview Intelligence SolarLite-Surface. Part numbers 806338-001 to 015
Description	Unidirectional or Bidirectional road studs with LED illumination



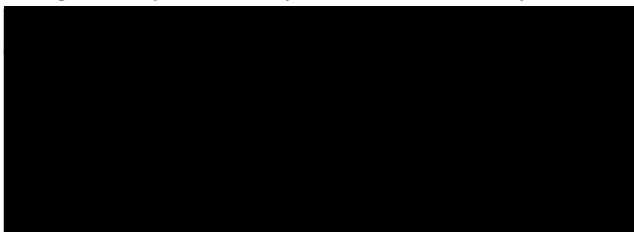
Department
for Transport

GT50/197/0012

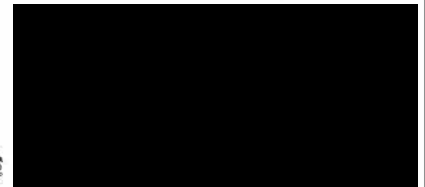
LED manufacturer's identification numbers	White (4150k-4500k) [REDACTED] Red [REDACTED] Amber [REDACTED] Green [REDACTED] Blue [REDACTED]
LED to comply with the chromaticity requirements of	prEN 1463-3 pt1 (Draft)
LED flash rate	100 Hz minimum, with each flash equally spaced
To be of the size and type shown on the drawing marked with the Department's number	GT50/197/0012-1, GT50/197/0012-2, GT50/197/0012-3, GT50/197/0012-4

Dated *15 April 2025*

Signed by authority of the Secretary of State



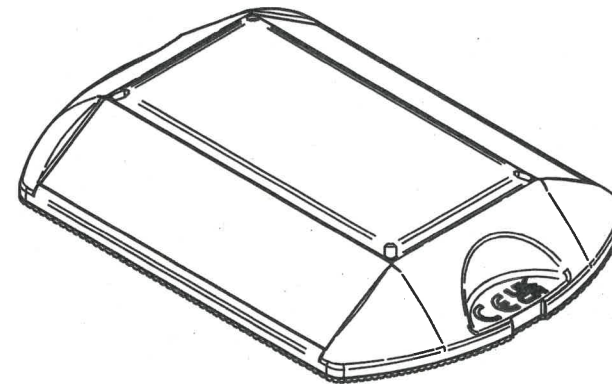
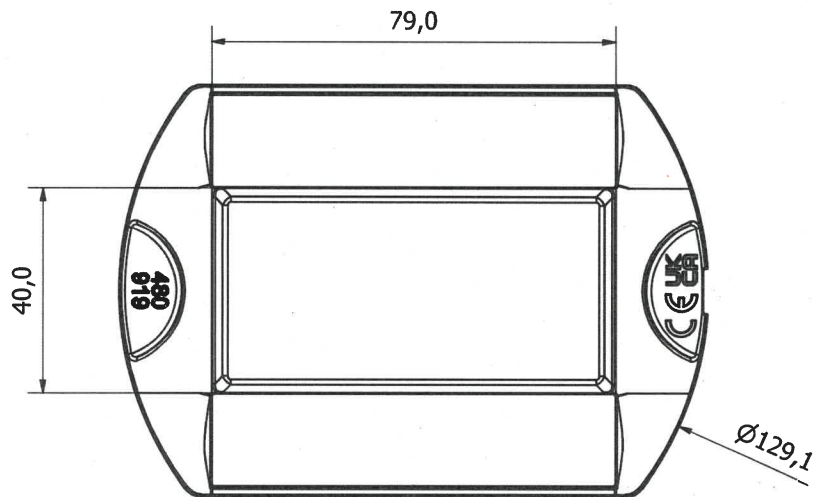
CERTIFIED TRUE COPY



Department
for Transport

Date:
16/04/2025

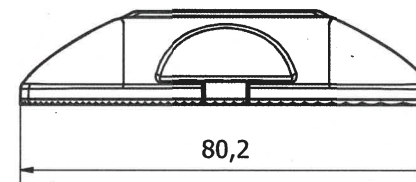
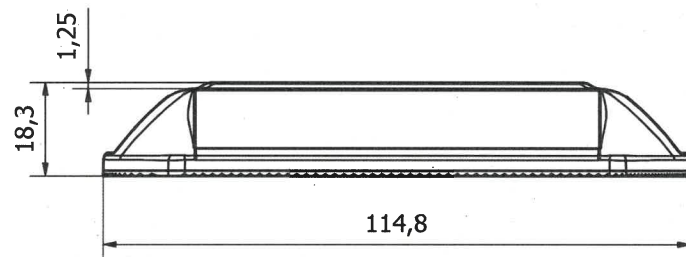
A Delegated Official of the Department for Transport



Department
for Transport

Date: 15 April 2025

Number: GT50/197/0012-1



COLOUR VARIANTS

Variant (XXX)	Colors
001	Uni Amber
002	Uni Red
003	Uni Green
004	Uni White
005	Uni Blue
006	Red/Amber
008	Red/White
011	Bi-Amber
012	Bi-Red
013	Bi-Green
014	Bi-White
015	Bi-Blue

IF IN DOUBT ASK

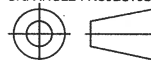
APPROVED BY

DIMS IN MILLIMETERS

DO NOT SCALE

TOLERANCES UOS:
LINEAR ± 0.2
ANGULAR ± 0.2

3rd ANGLE PROJECTION



DRAWING TO BS 8888

CHECKED

AUTHOR

JWD Ltd



**Clearview
Intelligence**

making journeys work

Aurora House, Deltic Avenue, Rooksley,
Milton Keynes, Bucks, MK13 8LW

www.clearview-intelligence.com

DRAWING No.

806338-XXX

ISSUE

1A

TITLE

ClickLite Stud - Outline Drawing

MODIFICATION RECORDS

ISSUE	DATE	ECN No.	ISSUE	DATE	ECN No.
			01	12/10/23	

SHEET No. 1
No. OF SHEETS 1

SHT SIZE
A3

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
LED manufacturer part numbers	
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



Department
for Transport

Date: 15 April 2025

Number: GT50/197/0012-2



SolarLite-Surface

Reflector colour	Amber, Red, White, Green, Blue
Operating temperature range	-30°C to +85°C
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LEDs per stud	1 per uni directional stud 2 per bi directional stud
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Solar powered road stud to provide guidance and advance warning to road users day and night

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Department
for Transport

Date: 15 April 2025

Number: GT50/197/0012-3

Product Options

Symbol	Part Number	Description
	806338-001	Amber- Uni-directional
	806338-002	Red- Uni-directional
	806338-003	Green- Uni-directional
	806338-004	White- Uni-directional
	806338-005	Blue - Uni-directional
	806338-006	Red/amber - Bi-directional
	806338-008	White/red – Bi-directional
	806338-011	Amber – Bi-directional
	806338-012	Red – Bi-directional
	806338-013	Green – Bi-directional
	806338-014	White – Bi-directional
	806338-015	Blue – Bi-directional

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Department
for Transport

Date: 15 April 2025

Number: GT50/197/0012-4