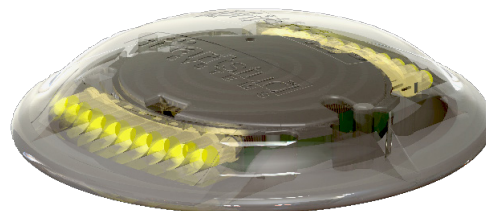


SMARTSTUD

Inductively Powered, Intelligent LED lighted off-road guidance marker. No physical wire connection between power source (buried cable) and LED marker

Product Code: SST-[[[]]-[]



Features

- Surface Mounted
- Visible up to 2 km (1.2 miles) away
- Dimmable, switchable
- Uniquely addressable
- Fully programmable
- High impact UV stable polycarbonate housing
- Self-cleaning design
- Patented 2-way communication and diagnosis capabilities available
- Integrated optics (one part housing)

Product data

Functionality

Light Direction: Uni-Directional with 10 high intensity LEDs facing one direction
Bi-Directional with 20 high intensity LEDs facing both directions

LED Colours: Blue, Green, Red, White, Yellow
(Other available on request)

Marker Shell Colour: White (Other available on request)

Electrical Specification

Electrical Input

Power Consumption: 2 Watt

Electrical Output

Power Transfer Method: Inductive (no direct electrical connection)

Frequency of operation: 38.4 kHz for power conversion
± 1.5% for data communication

Other

Individual LED Aperture Angle: 30°

Life Span of LEDs: 100 000 h (L70F10) (LED manufacture specification)

Individual LED Brightness: Blue = 9 000 mcd
Green = 20 000 mcd
Red = 12 000 mcd
White = 16 000 mcd
Yellow = 11 500 mcd
Cyan (Blue-Green) = 14 000 mcd

Chromaticity: Blue = 464 – 473 nm
Green = 518 – 527 nm
Red = 620 – 625 nm
White = 4150 – 4500 K (neutral)
Yellow = 591 – 595 nm
Cyan (Blue-Green) = 497 – 503 nm

Compliance

CE marking: YES

RoHS: YES

Operating Environment

Ingress Protection Rating: IP68
Operating Temperature: -15°C to 100°C
Compressive Load: Up to 15 000kg

Physical Construction

Housing Material: Polycarbonate certified to UL 94 V0

Installation

Orientation: Long or Cross (See product options)
Method of Attachment: Smart10.2 adhesive

Product Dimensions

Diameter: 121mm
Installed Height: 27 mm (or < 18 mm with the use of Smartstud Stud Stamp)
Total Height: 27mm

Product Data

Full product code: See Product Options
Full product name: Smartstud
Pieces per pack: 9
Packing configuration: Horizontal
Packs per outerbox: 1
Net weight per piece: 290g
Made in New Zealand



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STREETS

Product Options:

Symbol	Order Code	Description
	SST-YX-L	Uni-Directional Yellow Long
	SST-YX-C	Uni-Directional Yellow Cross
	SST-RX-L	Uni-Directional Red Long
	SST-RX-C	Uni-Directional Red Cross
	SST-WX-L	Uni-Directional White Long
	SST-WX-C	Uni-Directional White Cross
	SST-GX-L	Uni-Directional Green Long
	SST-GX-C	Uni-Directional Green Cross
	SST-BX-L	Uni-Directional Blue Long
	SST-BX-C	Uni-Directional Blue Cross
	SST-CX-L	Uni-Directional Cyan Long
	SST-CX-C	Uni-Directional Cyan Cross

Symbol	Order Code	Description
	SST-YY-L	Bi-Directional Yellow Yellow Long
	SST-YY-C	Bi-Directional Yellow Yellow Cross
	SST-RR-L	Bi-Directional Red Red Long
	SST-RR-C	Bi-Directional Red Red Cross
	SST-WW-L	Bi-Directional White White Long
	SST-GG-L	Bi-Directional Green Green Long
	SST-BB-L	Bi-Directional Blue Blue Long
	SST-CC-L	Bi-Directional Cyan Cyan Long
	SST-WB-L	Bi-Directional White Blue Long
	SST-WR-L	Bi-Directional White Red Long
	SST-WG-L	Bi-Directional White Green Long
	SST-WY-L	Bi-Directional White Yellow Long



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