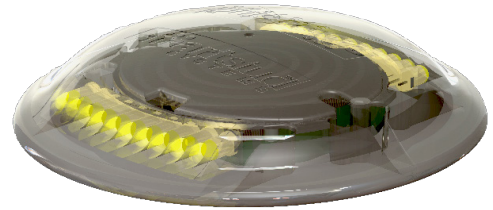


# SMARTSTUD 5100K

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

Product Code: SST-WW-L-5100K



## Features

- Surface Mounted
- Cool daylight (5100K) white LEDs
- 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: Bi-Directional with 20 high intensity LEDs facing both directions  
LED Colours: Cool White (5100K)  
Marker Shell Colour: White

### 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  
 $\pm 1.5\%$  for data communication

#### Other

Individual LED Aperture Angle: 30°  
Life Span of LEDs: 100 000h (L70F10) (LED manufacture specification)  
Individual LED Brightness: 16 000 mcd  
Chromaticity: 5100 K

## 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  
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: SST-WW-L-5100K  
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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