

TUNNEL LANE MARKER

Inductively Powered, Intelligent Lane LED Marker. Ideal for on road lighting, including lane delineation, road edge and tidal flow/dynamic lane applications

Product Code: TLM-[[[]-[]]



Features

- Less than 4 mm above road surface
- No physical wire connection between power source (buried cable) and LED marker
- 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 8 high intensity LEDs facing one direction
Bi-Directional with 16 high intensity LEDs facing both directions

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

Marker Shell Colour: Black (White 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
 $\pm 1.5\%$ for data communication

Individual LED Aperture Angle: 30°

Life Span of LEDs: 100 000h (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 and IP69K

Operating Temperature: -15°C to 100°C

Compressive Load: Up to 18 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 or BASE

Product Dimensions

Diameter: 83mm

Above road: Less than 4mm

Height: 31mm

Total Height: Less than 35mm

Product Data

Full product code: See Product Options

Full product name: Tunnel Lane Marker

Pieces per pack: 10

Packing configuration: Horizontal

Packs per outerbox: 1

Net weight per piece: 250g

Made in New Zealand



sales@smartcitystreets.com






+64 (9) 478 4613











www.smartcitystreets.com

Version 2/Apr 2020

smartcity
STREETS

Product Options:

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

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

