

Product Description:

CLSI : Canopy Lane Status Indicator/ OTL : Overhead Traffic Light

FORTH (Canopy Lane Status Indicator/ Overhead Traffic Light) is an IP 65 rugged unit designed to be installed on the toll plaza canopy. The product features high MTBF, low power consumption and high visibility during adverse weather conditions,

Basic Features

- LED (Ø5mm Super bright for traffic use)
- Colours: Red 630nm / Green 505nm / Amber 592nm
- Ø: 300mm
- Environmental protection: IP65

Description

FORTH (Canopy Lane Status Indicator / Overhead Traffic Light) is designed using the latest generation high visibility LED especially designed for use in the traffic environment.

The unit is delivered in an IP 65 graded polycarbonate enclosure designed to protect the LED display against severe environmental roadside conditions.

The design ensures a high Mean Time Between Failure (MTBF), and ensures reliable and cost effective operation of the tolling system.

The design for Manual Toll Collection features a green arrow and a red cross superimposed as a dot matrix of Super-Bright LED's, providing high visibility under adverse weather and light conditions as shown in Figure 1.

For electronic toll collection lanes, the design features a red cross and an A (Automatic) using amber LEDs as shown in figure 2. and

The front screen is made from clear polycarbonate, which ensures long-term durability and good optical transmission.

Red and yellow LED shall be made of Aluminum Indium Gallium Phosphide, while green LED is made of Indium Gallium/Gallium

The wavelength of RED is 630nm, yellow is 592nm and green is 505nm

If a LED is off, the rest (shall be remained) must be light up

The Intensity of light shall be reached the standard of ITE (Institute of transportation Engineer)



Fig. 1 CLSI for Manual Toll Collection



Fig. 2 CLSI for Electronic Toll Collection

Product Description:

CLSI : Canopy Lane Status Indicator/
 OTL : Overhead Traffic Light

Technical Specifications

Electrical / Optical Characteristics

Input voltage:	220 VAC, 50Hz
Power consumption:	30 W (Two aspects)
LED colour:	Green, Red (MTC), Amber, Red (ETC)
	High brightness LED for traffic
	LED ↓ : 102 LEDs
	LED X : 117 LEDs
	LED A : 123 LEDs

Physical Characteristics

Display area diameter:	300 mm
Frame size:	350 mm (h) x 650 mm (w) x 40 mm (d) (Incl. visor)
Weight:	10 kg

Environmental Characteristics:

Housing protection rating	IP65
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Operating Conditions:

Temperature:	0° C to 70° C
Relative Humidity:	5 to 99% RH non-condensing
Vibration:	10 to 85 Hz, 0.075 mm amplitude, 58 to 500Hz, 10 m/s velocity
MTBF:	> 100,000 hours (Individual LED)

Manufactured under stringent control in an ISO 9001:2008 Certified Production line by

FORTH CORPORATION PUBLIC COMPANY LIMITED

Distributed by

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