



TRAFFIC SIGNALS & ACCESSORIES INTL

advancing **innovation** globally

LED Traffic Signal



Specifications

The TSA traffic light is an internationally designed product manufactured in South Africa. The signal head is manufactured from black UV-stable Polycarbonate material, ensuring a high standard of anti-corrosion and impact resistance. The "toolfree" design provides for quick and easy access to lamp changes and cable inspections. This facility is obtained using a state of the art optical swivel system.

The sun visor is injection-moulded in the round, from Polyethylene WNG14, which ensures strength, flexibility and resistance to the harsh South African environment. The visor is treated with a black carbon pigment, providing maximum UV stability.

The lens is manufactured from Polycarbonate material. The traffic light is modular in construction, both vertically and horizontally, bolted together with corrosion resistant bolts.

The traffic light fully complies with the requirements as set out in the **SANS 2004 specification**.

Features

- Maintenance free for 5 to 10 years
- Easy-to-install universal upgrade kits available
- Superior Luminance for greater Safety
- Reduction in Maintenance costs
- Staff can be utilized more efficiently in other work areas
- Reduction in traffic flow disruptions
- Low power consumption
- Eliminates the sun-phantom effects

Technical Specification

Construction

The optical assembly is IP65 protected against dust and grime. Lenses are manufactured from Ultra Violet protected Polycarbonate Slim-line designed to fit most traffic light housings.

Operating Temperature : -20 to +75 degrees celcius.

Backing Boards

The Back Board is manufactured as a one- piece unit using glass fibre reinforced polyester. It is pigmented black and white as per the SABS requirement, providing optimum UV protection. The unit can be fitted after the traffic light has been mounted on a pole.

Masses And Dimensions

200mm

(H) 272mm x (W) 254mm x (D) 162mm

Masses (approx.) INC. 1.5 Kg

Masses (approx.) - QH. 2.94Kg

300mm

(H) 370mm x (W) 370mm x (D) 180mm

Masses (approx.) - Incandescent :2.5kg

Optical Systems

1. Light Emitting Diode(LED)

200mm LED Specifications

1.Voltage: 220Vac - 240Vac

: 110Vac - 120Vac

: 12Vdc

2.Current Draw: 48Vac

Max 50mA at 220Vac

: Max 70mA at 110Vac

3.wattage: 7W 9W

300mm LED Specifications

1 Voltage: 220Vac - 240Vac

: 110Vac - 120Vac

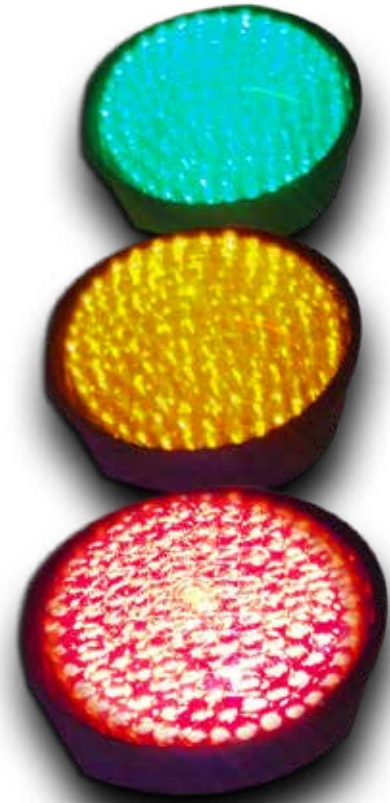
: 48Vac

: 12Vdc

2.Current Draw: Max 70mA at 220Vac

: Max 140mA at 110 Vac

3.Wattage: 13W - 15W



2. Tungsten (Incandescent)

Supplied with reflectors manufactured from highly polished and bright anodized aluminium.

Lamps: 230 volts, 75 watts, ES - type

3. Quartz Halogen (Qh)

Supplied with reflectors manufactured from highly polished and bright anodized aluminium. The QH optic is fitted with an anti-phantom unit.

Lamps: H3, 10Vac, 50Hz



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