

LED - 3G

Slimline 3rd generation LED

Objective

To provide a compact, value for money, high reliability, easily monitored LED signal.

Features:

- Five year warranty
- Very low power consumption
- LV and ELV versions
- Compatible with controller lamp monitoring
- Low profile housing
- Integral high reflectivity backing boards
- Conforms to EU and UK Directives and standards

This third-generation TSUK LED traffic signal introduces a range of new benefits to the user.

The optical performance of these signals complies with TSRGD and BSEN12368

Aspects

Signal modules are sealed to IP65

The aspect modules all have the same even low power consumption. This enables monitoring by integral facilities in the host controller for both LV and ELV versions.

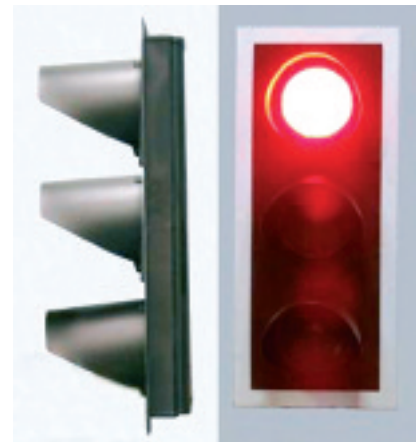
Housing

The housing is made up of an extruded glass reinforced polyester body with tough polycarbonate end covers and doors. This design allows economic implementation of single aspect green arrows and regulatory signs, two, three, four and five in line assemblies and side box options.

The materials used are strong and robust. They have excellent weather resistance and are proven in traffic signalling applications worldwide.

The housing incorporates integral backing board features that accept high reflectivity retro-single reflective tape to provide a single unit solution.

Aspect doors are separately removable and are retained by blind catch features giving a smooth matt external finish. This lack of external detail and the small size of the



assembly minimises the visual impact in the street environment while retaining effective signalling to road users.

Integral features on each door allow primary and secondary hoods to be mounted quickly and securely.

Internally the housing includes features to retain tactile unit power supplies and any other ancillary equipment.

Installation and Mounting

The signals can be set up and accurately adjusted and retained by a proven toothed interlocking end cap with high torque capacity. Fastening is by single point fixing top and bottom of the signal.

The smaller size and lower weight of these signals alleviates installation difficulties that may be encountered with older bulkier units.

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Security

Additional security fastenings may be used to retain the aspect doors and the optical modules if required.

Maintenance

The lower power consumption and heat dissipation of these units prevents dirt being baked onto the lens or any thermal degradation of the lens.

Routine cleaning may be co-ordinated with site periodic inspections to minimise intervention on site.

Regulatory Signs

A regulatory sign option is also available using white LED illumination. A single illumination unit can accept different legends to minimise stock requirements.

Specifications

Size:

3 aspect assembly excluding visors 1030mm x 440mm x 100mm body, 150mm to lens dome.

Mountings with standard brackets are compatible with standard pole positions.

Backing boards included in the above dimensions.

Weight:

11Kg including brackets and hoods

Materials:

Body: glass re-enforced black UV stabilised polyester, end covers and doors, black UV stabilised polycarbonate.

Light Output:

Complies with BSEN12368 and TSTDG (2002)

Symbols:

All standard symbols are available on request.

Power Consumption:

15W bright, 4W dim nominal.

Operating Voltage:

140-260 V AC, 50 Hz (Dim 140 - 170Vac)

Operating Current:

40mA max

EMC:

In conformity with the following: -
EN 50081-1
EN 50082-1
EN 50293

Operating Temperature:

-20 to +70C

Cable Entry:

Kopex gland supplied as standard.

Hoods:

Hoods are fixed to the module door using plastic rivets. They are supplied in kit form for site or depot assembly.

Hoods from other TSUK signals will fit these units.

Material:

Ethylene Vinyl Acetate

Type:

Primary, Secondary

Mounting Brackets:

Galvanised black powder coated brackets are available to mate with end caps and pole fixing kits.

Order Codes:

LED3G001 LED RAG

ILMLED24 Integral Lamp Monitoring Card

Please contact the Sales Department for further details or enquiries about our product range.