

LED Wig-Wag Road Traffic Light Signals for Railway Level Crossings



- Compliant with European Standard EN 12368:2000 as defined in TR 2206:Issue A:2001 specification for Road Traffic Signals. Achieved Network Rail Product Acceptance in July 2007.
- LED Light sources give a long and predictable service life
- Increased safety and reliability
- Unique optical arrangement reduces the possibility of a display phantom
- Less affected by variations in supply voltage than quartz halogen or filament lamps
- Signal heads sealed for life
- Nominal supply voltage 24V dc
- Greatly reduced running and maintenance costs than quartz halogen units
- 205 mm light aperture
- Improved visor mounting arrangements
- Reduced vandal risk
- Unipart Rail will provide full support and spares

LED Wig-Wag Technical Details

Compliances

European Standards EN12368:2000

Approvals

LED Modules PA05/02434

Backboard Assembly PA05/02900

Key Specifications

Operating Temperature Range - 25°C to + 60°C

Nominal Operating Voltage 24V dc

Operating Voltage Range Max 31.2V dc Min 18.0V dc

Nominal Operating Current 900mA at 24Vdc per light source

Illuminated Area 205mm diameter

IP Rating IP55 Class IV

Impact Resistance IR3

Environmental Class A

Current Proving

Lamp Proving Relay BR966 F10 PC 062 (086/023451)

Flashing Aspects All aspects are capable of being flashed under the control of an electronic flasher unit

Flasher Unit HRP78500 (086/002475)

Light Output

Red and Amber 1931 CIE boundaries as defined in EN 12368:2000

Maximum Phantom (Signal) Class 5

Shortest Estimated Life (Red) 10 years

Performance Level Class A 3/2

Luminous Intensity Distribution M

Visor – all units fitted MCX 0402

Mechanical

Weight of Module 4.4kg

Weight of Standard Lamp & Backboard Assembly 46.8kg

Module Fastening Nut 30mm A/F

Module Nut Tightness 70nm

Ordering Details

LED Wig-Wag Assembly (Complete) – Standard 086/023394

LED Wig-Wag Assembly (Complete) – Narrow 086/023449

LED Wig-Wag Assembly (No Modules) – Standard 086/023447

LED Wig-Wag Assembly (No Modules) – Narrow 086/023448

LED Wig-Wag Module – Red Spare Part WWM2/R/2 086/023395

LED Wig-Wag Module – Amber Spare Part WWM2/A/2 086/023396

Flasher Unit HRP78500 086/002475

Lamp Proving Relay BR966F10 PC 062 086/023451

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