



# LED Wig-Wag

Road Traffic Signals for Railway Level Crossings



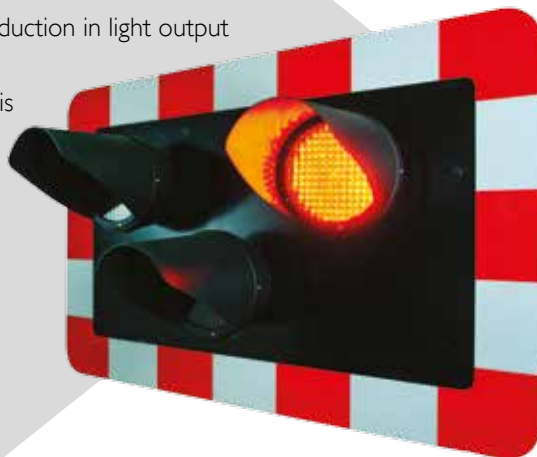
New improved version now incorporating:

- Increased visibility with minimum 750cd Luminous Intensity
- Fixed modules mounted on a tilt adjustable backboard  $\pm 6^\circ$
- Unique optical arrangement reduces the possibility of a phantom display

Our LED Wig-Wags combine Unipart Dorman LED optical expertise with Unipart Rail manufacturing capabilities. They are fully approved by Network Rail and compliant with European Standard EN 12368:2006

## Benefits

- LED light sources give a long and predictable service life, 10 years to a 10% reduction in light output
- Increased safety and reliability to 1 failure per  $260 \times 10^6$  hr
- Increased visibility with Luminous Intensity at 750cd minimum on reference axis
- Fixed modules mounted on a tilt adjustable backboard  $\pm 6^\circ$
- Unique optical arrangement reduces the possibility of a phantom display
- Less affected by variations in supply voltage than Quartz Halogen unit
- Nominal Supply voltage 24Vdc
- Significantly reduced maintenance cost than Quartz Halogen units
- 205mm diameter light aperture
- Improved visor mounting arrangement
- Extended visor available
- Reduction in vandal risk
- Unipart Rail will provide full support and spares



### Approvals

LED Module	PA05/02434
Backboard Assembly	PA05/02900
Extended Visor	PA05/05584

### Key Specifications

Operating Temperature Range	-25°C to +60°C
Nominal Operating Voltage	24Vdc
Operating Voltage Range	Max 31.2Vdc, Min 18.0Vdc
Nominal Operating Current	900mA at 24Vdc per light source
Illuminated area	205mm diameter
Ingress protection	IP 55 Class IV
Impact Resistance	IR3
Environmental Class	A

### Current Proving

Lamp proving relay	BR966 F10 PC 062 (086/023451)
Flashing aspects	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 EN12368:2006
Maximum phantom	Class 5
Shortest estimated life (Red)	10 years to 10% reduction in light output
Performance Level Class	A3/2
Minimum reference axis intensity	750cd
Luminous Intensity Distribution	M
Standard Visor	MCX 0402

### Mechanical

Weight of each module	4.0kg
Weight of Standard Lamp and Backboard Assembly	50.5kg
Module fastener	2 x M10 bolt

## Ordering

Catalogue No.	Description
0086/024647	LED Wig-Wag Assembly (Complete) - Standard
0086/024648	LED Wig-Wag Assembly (Complete) - Narrow
0086/024645	LED Wig-Wag Assembly (No Modules) - Standard
0086/024646	LED Wig-Wag Assembly (No Modules) - Narrow
0086/024181	LED Wig-Wag Module Red (Fixed)
0086/024182	LED Wig-Wag Module Amber (Fixed)
0086/008681	LED Wig-Wag Module 535mm Extended Visor Fitting Kit

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