Trackside Signalling

Unipart Dorman's LED Signaling Range:

With over 25 years of experience in LED Rail Signaling, Unipart Dorman has a complete range of Network Rail approved LED signals that are backwards compatible with the existing systems on the UK infrastructure.

This comprehensive range covers nearly 500 approved items to date and Unipart Dorman has in excess of 60,000 signals now installed across the network. Where Unipart Dorman LED signals have been installed, failures and delays associated with the signal heads have been virtually eliminated.

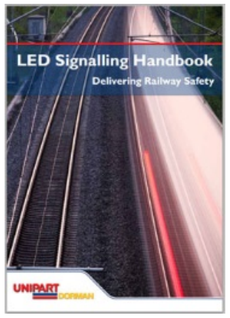
Unipart Dorman, Design & Manufacturing Capabilities:

Unipart Dorman's engineering heritage goes back over 130 years. The innovation and design-led business philosophy revolves around listening closely to customers and ensuring product development is always focused on their requirements. Unipart Dorman is a leading light in rail with extensive product ranges available throughout the UK and in more than 30 countries across five continents.

Unipart Dorman has been at the forefront of LED technology since the 1980's. LED lighting offers unrivalled safety and economic benefits when compared to filament bulbs and the company's technological leadership has resulted in several industry 'firsts', including ConeLITE, the industry-standard warning lamp for road hazards, and the Unipart Dorman Position Light Signal, introduced in 2000 and the first LED signal which controlled train movement fully approved by Network Rail to Railway Group Standards.

Unipart Dorman product and specifications subject to change and/or modification without prior notice.

The Trackside Signal Range is just part of the wider portfolio of Unipart Dorman products which cover every part of the railway.



The LED Handbook contains full details of all the rail products. Contact us to receive your copy, or visit unipartrail.com/ledhandbook for the PDF version

Contact Details:

Unipart Dorman's range is distributed through Unipart Rail:

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LED Colour Light Signal

The Unipart Dorman LED Colour Light Signals are a fully Network Rail approved cost effective, direct replacement unit suitable for any installation with no requirement for on site design changes.

- Compliant with Network Rail Line Specification RT/E/S/10062 issue 1
- Direct replacement for existing filament Colour Light Signal
- No requirement for external heating device
- Modular hinged assembly to enable easy cleaning from a place of safety
- Unique optical arrangement that reduces the possibility of a signal phantom
- Nominal supply voltage 110Vac / 120Vdc
- LED light sources designed to give a long and predictable service life
- Constant light output and colour throughout the life of the signal
- Unaffected by variations in supply voltage: 88Vac – 121Vac
  88Vdc – 145Vdc
- Lensed optical sighting device
- LED modules sealed to IP65
- Reduced maintenance costs
- Any aspect configuration available
- Compatible with existing SSI & RRI installations
- Lamp filament change-over relay eliminated

Thousands now in use exceeding expectations on the infrastructure

LED Colour Light Signal

Product Details

Benefits

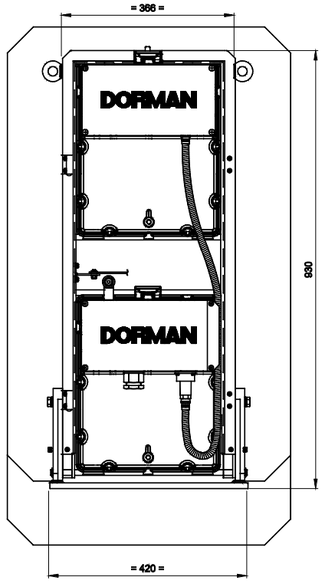
- LED technology gives a long and predictable service life
- Reduced maintenance costs
- Filament changeover relay eliminated
- Increase infrastructure reliability and staff safety
- Overall size of signal is reduced allowing installation into restricted areas
- Four aspect Unipart Dorman LED Colour Light Signals do not require taller A frames to be specified

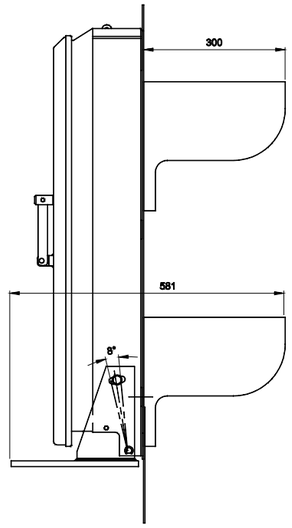
Maintenance and Signal Sighting

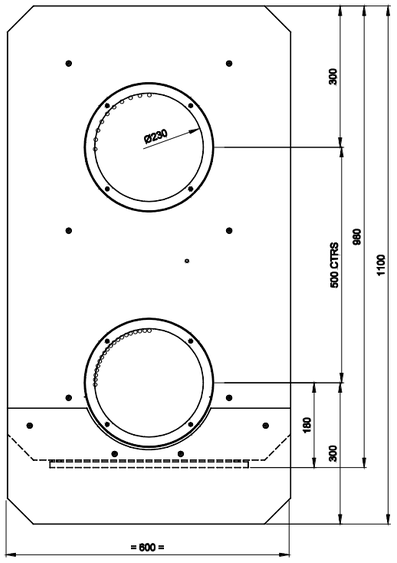
- The light sources are of a modular construction and secured by a single operator using a simple lockable sprung latch mechanism
- All signals are fitted with a lensed optical sighting device which incorporates an integral target ring for increased sighting accuracy

Modular

- Each signal module is a self-contained IP65 sealed unit
- There are no coloured lens filters used, greatly reducing the possibility of a signal phantom





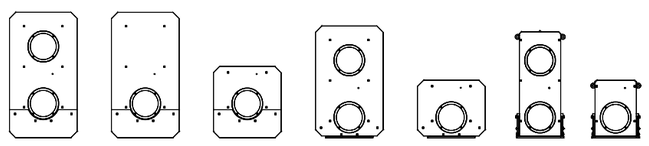


Safety

The lightweight hinged signal module design enables all maintenance to be performed from a position of safety at the rear of the unit.

Configuration

Any signal size and aspect configurations are available including long and medium range variants. A wide range of visors, backboards and mounting plates are available to optimise each installation.



Network Rail Product Acceptance No:

PA05/01515	Long Range Module
PA05/02706	Medium Range Module
PA05/01873	Housing

There is an extensive range of variations of LED Colour Light Signals, see the LED Signalling Handbook for further details.

Termination

The 110Vac or 120Vdc supply is terminated directly onto a standard 2BA terminal bar and slip link assembly at the rear of the unit.