



Lightweight Signalling Range

Following the Modular Signalling challenge to the Industry, Unipart Dorman has worked in close collaboration with Network Rail on the latest generation of LED railway signals, resulting in the introduction of an innovative and unique Lightweight Signalling Range.

Unipart Dorman's Lightweight Signalling Range delivers a comprehensive portfolio of products, which are specifically designed to meet the requirement for cost effective lightweight signalling in the 21st century.

Our Lightweight Signalling Range includes:

- Integrated Lightweight Signal (iLS)
- Modular Lightweight Signal (MLS)
- CLS LITE
- Signal Mounting Post (SMP)

Lightweight Signalling delivers significant savings on any project by removing the costs associated with providing and installing signal support structures. The maintenance free design and reduced requirement to work at height maximises worker safety, minimising exposure to risk.

Benefits of Lightweight Signalling

- Enhanced safety by reducing exposure to railway hazards
- Reduced risks for employees working at trackside
- Minimise working at height
- Reduced project costs
- Simple and fast installation
- MIL 5015 Plug Coupler connections compliant with Network Rail T00036 standard
- Unique self-cleaning lens technology
- Increased reliability leading to less network delay costs
- LED Technology provides a long and predictable service life



Detailed information including available head configurations, base unit dimensions, mechanical, electrical and optical properties can be found in the *Lightweight Signalling Handbook* available at www.unipartdorman.co.uk/LightweightHandbook.

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Integrated Lightweight Signal (iLS)

iLS signals contain user defined aspect configurations in a conformally shaped GRP Head and Post combination, mounted in a metal Trunnion with integral connection boxes. This can be as simple as a 2 aspect Mainline Colour Light Signal, all the way up to a 4 Aspect Mainline Colour Light Signal, with a combination of Junction Route Indicator Routes, Subsidiary Signals, MARI and SARI.

A lightweight 2 or 3 State Banner Repeater Signal is also available.



Modular Lightweight Signal (MLS)

The MLS also utilises a GRP Head and Post combination.

It is mounted in an enclosure cabinet base, which can contain much of the equipment normally found in Lineside Location Cases such as Lamp Proving and Interlocking equipment, TPWS/AWS, Axle Counters and communications equipment etc.



CLS LITE

The CLS LITE was developed in response to a requirement for a signal mechanically identical to a Classic signal but benefitting from the vastly improved optics and plug coupler capabilities of the lightweight signal heads.



Signal Mounting Post (SMP)

The SMP is a demountable post unit, which offers a cost effective replacement for traditional steel structures by removing the need for access ladders.

The SMP is currently available in straight and 600mm offset variants, which are suitable for all of the Unipart Dorman CLS LITE and much of the Classic LED range.

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