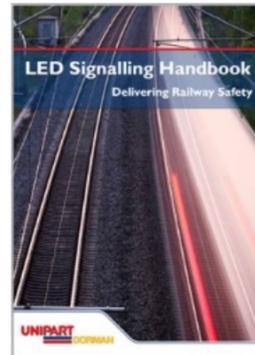


# Trackside Signal Range



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 [uniparttrail.com/ledhandbook](http://uniparttrail.com/ledhandbook) for the PDF version

# LED Ground Position Light Signal



The Unipart Dorman LED Ground Position Light Signals are a fully Network Rail approved cost effective, direct replacement for all existing filament lamp models.

- National Fitment Campaign has virtually eliminated wrong side failures
- Reduces maintenance costs compared with standard filament light source
- Universal application for both lamp and non-lamp proved sites
- Ground or Elevated (over 2.75m above the rail) versions available
- No design changes required at site
- Compliant with Network Rail Group Standards GK/RT0045 and RT/E/S10110

**Over 12,500 signals installed on the UK network to date**

## 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.*

## Contact Details:

**Unipart Dorman's range is distributed through Unipart Rail:**

Unipart Rail  
Gresty Road  
Crewe  
Cheshire  
CW2 6EH  
UK

Tel: +44 (0)1270 847600  
E-Mail:

[dorman.info@unipartdorman.co.uk](mailto:dorman.info@unipartdorman.co.uk)

[www.unipartdorman.co.uk](http://www.unipartdorman.co.uk)



# LED Ground Position Light Signal

## Product Details

### Current Proving

- Relay Based Interlocking: BR941A
- Solid State Interlocking (SSI): Return Current Path 1 or 4
- Light Output Intensity (All Colours):  $\pm 45^\circ$  (RT/E/S10110)
- On Axis Light Outputs:
 

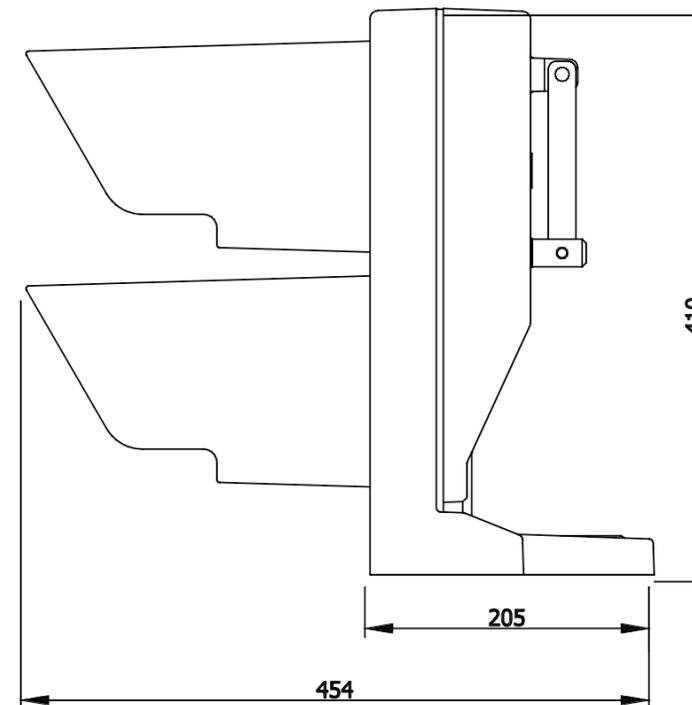
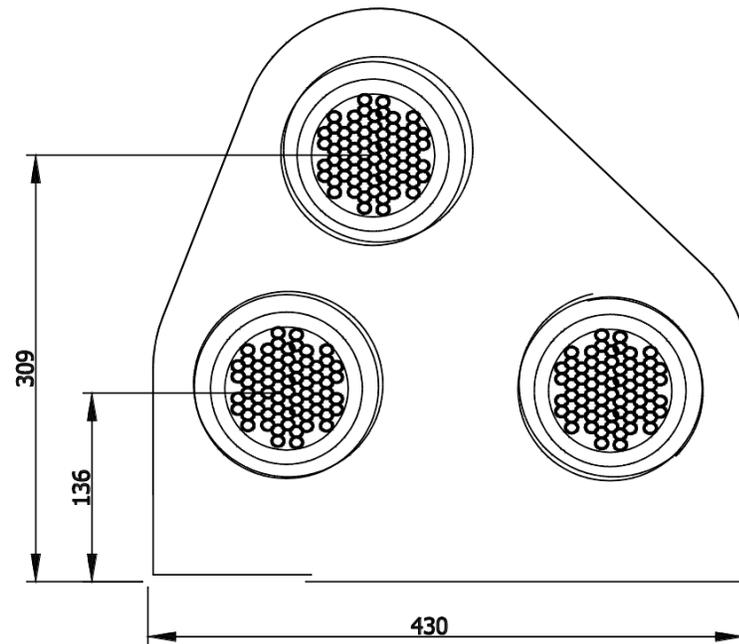
Red	17.7 cd min	44.5 cd max
Yellow	21.7 cd min	54.2 cd max
Lunar White	26.8 cd min	67.0 cd max

### Key Specifications

- Operating Temperature Range:  $-25^\circ\text{C}$  to  $+40^\circ\text{C}$
- Nominal Operating Voltage: 110Vac / 120Vdc
- Operating Voltage Range:
 

Max	121Vac
Min	88Vac
- Operating Voltage Range:
 

Max	145Vdc
Min	88Vdc
- Nominal Operating Current: 300mA at 110Vac per light source
- Weight: 20kg



**Network Rail Product Acceptance No:**  
 PA05/1133 Ground Position Light Signal Module  
 PA05/1038 Housing

	Limit of Shunt R/R	Subsidiary W/W	Position Light R/W R/W	Position Light Y/W Y/W
<b>Elevated</b>	0086/001311	0086/001309	0086/01307	0086/001313
<b>Ground</b>	0086/001310	0086/001308	086/001306	0086/001312

Key: W=White R=Red R/W=Red or White Y/W= Yellow or White