

# New LED Technology for Train Interiors



**Unipart Rail can offer the most advanced technology in LED lighting, with a light quality and reliable performance that can be completely trusted.**

Unipart Rail has a history of introducing ground breaking technology into the rail industry. The introduction of new technology is essential to secure the long-term development of the rail network. The expertise to enable this is at the heart of the Unipart Rail Innovation teams, where the focus is developing new products which:

- increase reliability
- increase efficiency
- increase safety
- reduce maintenance
- reduce cost
- reduce environmental impact.

The partnership with Philips to introduce new and exciting innovative products to the rail industry is one borne of a shared principle: to identify the best possible technological solutions and bring them to our customers. The Philips portfolio is a range of products which can do just this, and will lift lighting technology to a new level in the rail industry.

## Unipart Rail Audits

Power consumption and efficiency are increasingly at the fore of the debate on the future development of the rail, and this range is a key component in developing tomorrow's railway system.

To support this, Unipart Rail has developed a range of audits to help our customer understand the inefficiencies of their current lighting systems and to identify the best ways of reducing costs, energy consumption and environmental impact.

The audits range from compartment lighting to stations and depots. To further support Unipart Rail's customers we are able to generate a robust business case that compares current whole life cycle costs versus the projected life cycle costs of the proposed new system.

The new solution will remain maintenance free for more than five years. One recent business case, conducted on a fleet of vehicles, has presented savings in excess of £273,000 per annum and reduced carbon emissions by more than 510 tonnes per annum\*

To arrange an audit of your lighting systems, contact [lighting@unipartrail.com](mailto:lighting@unipartrail.com) for further information.

# Solid State Lighting - Retrofit portfolio

## AccentLED K2



4W  
35,000 hours  
10 deg beam angle  
Warm, cool white  
Cabinet, display windows

## MASTERLED lamps



7W  
45,000 hours  
25 deg beam angle  
Warm, cool white  
Display, accent, spot

## eW Cove



6W per 30cm  
50,000 hours to 0% failure  
Upton 150 units per supply  
Warm, cool white  
Pelmet, under shelf

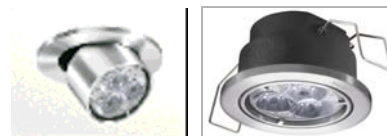
## SpotLED Downlighters



Range of recessed, surface mounted downlights  
Cabinets, displays, downlights  
Warm, cool white

## SpotLED 3K2

– Downlighter



12W system  
50,000 hours to 0% failure  
Complete with gear  
10 deg, 25 deg beam angle  
Warm, cool white

Available from:  
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