

Innovating LED Variants



Dorman has a reputation for innovating LED signalling and traffic control products for the UK rail industry. Increasing demand from overseas for these products has meant that variants have been developed for specific uses.

V/Line, the regional operator for Victoria state in Australia, was keen to find a robust LED boom light to trial. The Unipart Rail LED barrier boom light, which is now installed at the majority of level Crossings in the UK, was chosen and a 12v variant was developed. The trial was successful and is now standard installation at all new and upgraded V/Line boomed crossings across the State.

The LED Tail and Marker lamps were originally developed for EWS as a 110v version. It has since been re-calibrated to 74v for Irish Rail and is also available as a 24v version.

Alstom also approached Dorman when the existing halogen fittings on the Corada LINT train suffered from water ingress leading to a high number of warranty claims. The Dorman solution resolved the problems and 1200 units have now been fitted.

Dorman's red flashing LED Portable Tail lamp is used on rail vehicles around the world, and when Mibrag asked for a yellow version (to distinguish from other red lamps and signals) to designate rakes of wagons in the loading process, the Dorman Engineering team developed a new version using yellow LEDs and amber lenses.

Variants have also been supplied to Spain, Portugal and the USA.





Dorman's LED signalling range is the market leader in the UK, with over 20,000 units installed.

The design is to Network Rail standards, some of the most stringent in the world, but other countries have specific requirements which enables us to enhance and further upgrade the product for a larger range of applications.

For customers in Canada this has resulted in an LED signal which has been tested in their environmental conditions and also a re-design of the signal modules, housing and mounting plate to match the Canadian specification.

These signals are now on trial in Toronto.

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