

LED train lamps

LEDs in signalling has become the industry standard

Mk3 Portable Flashing Tail Lamp

Cat N° 0055/050319

- Compliant with visibility & audibility Group Standard GM/RT2180 : Issue 3
- High reliability LEDs
- High impact polycarbonate lens and one piece body moulding
- Retro-reflective red panel
- Battery life approximately 10,000 hours when continuously switched on with two air alkaline batteries (Catalogue N° 54/128366)
- Battery condition constantly monitored and fitness for use indicated on both sides of lamp
- Electronic components sealed in compartment to IP65
- No body seals to be effected when changing batteries
- Robust rotary switch incorporating a solid state optical switch with no moving contact parts at rear of lamp
- Integral bracket for mounting on standard lamp iron

Portable Headlight

Cat No 0017/070014

- Powered by integral rechargeable sealed lead acid battery
- Supplied with double insulated battery charger
- High powered beam – minimum luminous intensity 1200 candela, for bright visual warning
- Quartz/halogen bulb – 12v 8 watt
- Up to 18 hours continuous use from a single charge
- Body manufactured from high impact xenoy plastic
- LED low battery warning indication



Mk3 Portable Tail Lamp

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Description	Details	Specification																								
Physical Mounting options Operating temperature Vibration & shock	Single, double & triple units -25°C to +55°C Category 1B	RIA 13 : 1990 RIA 20 : 1995																								
Sealing when Fitted Front of unit Rear of unit Body & lens material	IP 66 IP 44 High impact polycarbonate	EN60529 : 1992 EN60529 : 1992																								
Photometric Requirements Type of light source Colour of light output Light output Lens	Fully compliant with Group Standard LED RED 100 cd min on optical axis High impact polycarbonate	GM/RT2180/ Issue 3/Feb 2000 GM/RT2180/Issue 3 GM/RT2180/Issue 3																								
Electrical Nominal voltage Nominal current Nominal wattage Surge and transients EMC Not polarity conscious Bayonet Connector	<table border="1"> <thead> <tr> <th>110v dc</th> <th>74v dc</th> <th>24v dc</th> </tr> </thead> <tbody> <tr> <td>110v</td> <td>74v</td> <td>24v</td> </tr> <tr> <td>25mA</td> <td>25mA</td> <td>75mA</td> </tr> <tr> <td>2.75w</td> <td>1.8w</td> <td>1.8w</td> </tr> <tr> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>B22d</td> <td>B22d</td> <td>B22d</td> </tr> </tbody> </table>	110v dc	74v dc	24v dc	110v	74v	24v	25mA	25mA	75mA	2.75w	1.8w	1.8w	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	B22d	B22d	B22d	RIA 13 : 1990 RIA 12 : 1984 BSEN 61000-4-4,5&6
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LED Fixed Tail Lamp

- Dramatically reduces train maintenance and running costs
- Unit can be fitted to existing lamp housings quickly and easily
- Increased safety and reliability
- Designed to fit single, double and triple units
- Supply voltages available 110v dc, 74v dc and 24v dc
- Increased visibility and safety is achieved by a unique optical system and use of LEDs.
- Compliant with visibility & audibility Group Standard GM/RT2180 : Issue 3

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LED Fixed Marker Lamp

- Dramatically reduces train maintenance and running costs
- Unit can be fitted to existing lamp housings quickly and easily
- Improved light output compared with Tungsten filament lamp units
- Increased safety and reliability
- Designed to fit single and double units
- Supply voltages available 110v dc, 74v dc and 24v dc
- Increased visibility and safety is achieved by a unique optical system and use of LEDs.
- Compliant with visibility & audibility Group Standard GM/RT2180 : Issue 3