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Filament Lamp (SL35) for Use in the Long range Colour Light Signal (formerly RT/E/S/10127)

This temporary front sheet facilitates change to the new Network Rail Standards referencing nomenclature.

The Ref above will be formally allocated to this standard when it is next changed in the meantime the contents, date and issue number of this Network Rail Standard are UNCHANGED and with immediate effect it should be referred to as “(new ref) formerly (old ref)”.

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EQUIPMENT SPECIFICATION FOR THE
FILAMENT LAMP ('TYPE SL35) FOR USE IN
THE LONG RANGE COLOUR LIGHT SIGNAL

RT/E/S/10127

Issue 1

April 1999

RAILTRACK LINE SPECIFICATION

EQUIPMENT SPECIFICATION FOR THE FILAMENT LAMP (TYPE SL35) FOR USE IN THE LONG RANGE COLOUR LIGHT SIGNAL

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**EQUIPMENT SPECIFICATION FOR THE FILAMENT
LAMP (TYPE SL35) FOR USE IN THE LONG RANGE
COLOUR LIGHT SIGNAL**

SUMMARY

This document specifies the requirements for SL35 filament lamps used with the Long Range Colour Light Signals.

ISSUE RECORD

This Specification will be updated when necessary by the distribution of a complete document. Amendments will be marked by a vertical black line in the adjacent right hand margin. The latest issue of this specification shall be implemented immediately upon receipt.

Issue	Date	Comments
I	April 1999	Original Issue

RESPONSIBILITIES

The requirements of this specification shall be complied with by all those responsible for the design, manufacture, procurement, installation, testing or maintenance of SL35 lamps as the light source for Long Range Colour Light Signals.

IMPLEMENTATION

The requirements of this Specification are mandatory for lamps manufactured from 1st June 1999 unless express written permission is obtained for any deviation from the Head of Technical Services.

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EQUIPMENT SPECIFICATION FOR THE FILAMENT LAMP (TYPE SL35) FOR USE IN THE LONG RANGE COLOUR LIGHT SIGNAL

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LAMP (TYPE SL35) FOR USE IN THE LONG RANGE
COLOUR LIGHT SIGNAL**

EQUIPMENT SPECIFICATION FOR THE FILAMENT LAMP (TYPE SL35) FOR USE IN THE LONG RANGE COLOUR LIGHT SIGNAL

1. PURPOSE

This document specifies the equipment requirements for the tungsten filament lamp, type SL35 (as defined in BS469:1995), so as to ensure and maintain the optical performance of signals to Specification BR903, into which the lamp is fitted. This document also specifies the minimum recommended quality assurance requirements to ensure the compliance of each lamp in a quantity supplied.

2. SCOPE

The equipment requirements contained in this document apply only to the SL35 filament lamp, which is mainly used in the long range colour light signal.

3. DEFINITIONS

For the purposes of this specification, the definitions of terms given in BS469:1995 apply, except for the following additions and amendments which are specific to the SL35 lamp:

<i>Lamp</i>	The entire assembly of filaments, bulb, cap and associated wiring and fixing components and connections.
<i>Bulb</i>	The clear glass component of the lamp which is fitted to the cap and contains the filaments.
<i>Cap</i>	The assembly of components which allows mechanical and electrical connection to the lamp holder.
<i>Creepage distance</i>	The separation between any parts of the solder or between the solder and the cap across the insulating part of the cap.
<i>Main filament</i>	That filament which is normally lit and parallel to the reference plane.
<i>Auxiliary filament</i>	That filament which becomes lit when the main filament has failed, and lies on or close to the axis of the lamp.
<i>Filament length</i>	That linear axial dimension of a lit filament between its ends and which contributes to useful light output. For the purposes of testing, this shall be taken to be the length of the filament between the first and last complete coils.
<i>Light centre</i>	The geometrical centre of the coiled part of a filament.
<i>Light centre length</i>	The perpendicular distance of the light centre from the reference plane.
<i>Axial error</i>	The perpendicular distance from the light centre (of the main filament) to the axis of the lamp.
<i>Reference plane</i>	The reference plane which lies on the upper surface (filament side) of the engagement pins of the cap, as shown in BS-469-08.