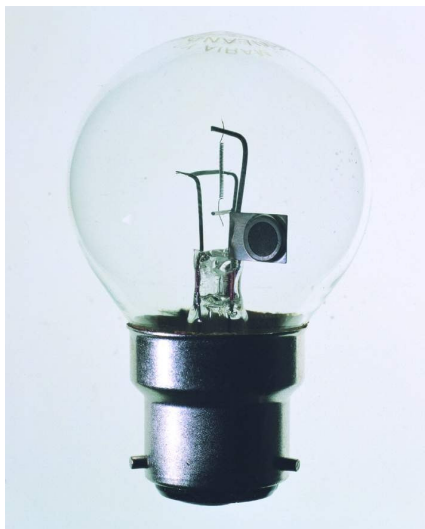


# SL35LL 8,000 Hour Signal Lamp



**PADS No. 086/023000**

**Certificate No. PA05/02101**



The Greenstock Lamp Co. Ltd has gained Network Rail approval for its Vertelec branded long life SL35LL Signal Lamp.

This lamp which is used in the Long Range Colour Light Signals, is one of the main signal lamps used within in the UK rail network. It is considered to be a safety critical application, and as such the lamp has been designed, tested and approved to NR/SP/SIG/10127 (formerly RT/E/S/10127).

Greenstock's SL35LL lamp has an average rated life of 8,000 hours, eight times longer the industry standard 1,000 hour lamp.

By using the Greenstock SL35LL signal lamp maintenance cycles can be greatly reduced, achieving substantial cost savings, whilst maintaining signal reliability.



HQ Acceptance  
Services  
Network Rail  
40 Melton Street  
London. NW1 2EE

## Certificate of Acceptance

Certificate No: PA05/02101 Issue: 1 Date: 01.02.06  
Effective date: 01.02.06 Page 1 of 3

**Product:** Greenstock / Vertelec Long Life SL35 Lamps  
**Manufacturer:** The Greenstock Lamp Company,  
Newport Business Park, Cardinal Close,  
Bishops Road, Lincoln. LN2 4SY.

*The product above is accepted for use on the Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate.*

**Scope of Acceptance**  
For use on Network Rail Infrastructure to replace standard SL35 signal lamps – permitted in any application.

**Specific Conditions:**

- All lamps supplied shall be covered by Quality Assurance Certification conforming with the requirements of NR/SP/SIG/10127 (formerly RT/E/S/10127).
- In addition to the Routine Testing requirements defined in clause 8.3, full testing (including Life Test and Lumens Maintenance Test) must also be applied to the 2<sup>nd</sup> and 3<sup>rd</sup> batches offered after grant of this certificate.
- For identification purposes, all lamps and cartons must carry the marking "Vertelec".

Authorised by:  
  
Andrew Simmons BSc, CEng, FIEE, FIRSE  
Professional Head of Signal Engineering

## Technical Data

Reference Number	SL35LL
Rated Voltage	12V
Rated Wattage	24 / 24W
Cap	B22d-3
Minimum Lumen after 8,000 Hours	230
Overall lamp length	Min 73mm Max 83mm
Overall lamp diameter	Min 48mm Max 52mm
Height : cap to main filament axis	Min 14mm



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**The Greenstock Lamp Company**