

**AMENDMENT NO. 1 APPROVED ON 2005-01-13  
TO SLS 1231 : PART 1 : 2002**

**SRI LANKA STANDARD  
SPECIFICATION FOR SELF BALLASTED LAMPS  
(INTEGRAL TYPE COMPACT FLUORESCENT LAMPS)  
FOR GENERAL LIGHTING SERVICES**

**PART 1 : PERFORMANCE REQUIREMENTS**

**1. Clause 4.3 Lamp wattage**

Delete the existing text and substitute with the following.

The initial wattage dissipated by the lamp shall not deviate by more than +15 per cent and -10 per cent of the rated wattage when measured as prescribed in **6.3.5.**

**2 Clause 4.6 Lumen Maintenance**

Delete the existing text and substitute with the following :

After 2000 h of operation, including the ageing period, the lumen maintenance shall be not less than 80 per cent of the initial lumen value.

**3. Clause 6.1 Sampling**

Delete the existing text and subtitle with the following :

A sample containing 3 lamps shall be selected randomly for testing from a population of minimum 50 lamps or more, except for the life test and lumen maintenance.

**a) Lumen maintenance**

For Lumen maintenance minimum sample size shall be 5 lamps and the total rate of failure shall not exceed 20 per cent.

If the first sample of lamps fails, a repeat test shall be carried out on another sample of 5 lamps minimum and all lamps of the sample shall comply.

**b) Life test**

The average life shall be derived from a test quantity of at least 20 lamps.

4. **Clause 6.2 b) General test conditions**

Delete the existing text and subtitle with the following:

The test voltage 230 V shall be stable within  $\pm 0.5$  per cent at 50 Hz during stabilization period, this tolerance being reduced to  $\pm 0.2$  per cent at the moment of measurement. The supply voltage tolerance shall be within 2 per cent for life testing and lumen maintenance. The total harmonic content of the supply voltage shall not exceed 3 per cent unless otherwise stated for a specific test.

5. **Clause 6.6 Life test**

Delete the title **6.6** Life test and substitute with the following :

6.6 Life test and lumen maintenance.

Delete the existing text of clause **6.6.2** and **6.6.3** and substitute with the following:

**6.6.2 Switching on and off**

Lamps on lumen maintenance and life test shall be switched off eight times in every 24 h running. The “Off” period shall be between 10 minutes and 15 minutes. The “On” period shall be at least 10 minutes.

**6.6.3 Method**

The lamps shall be operated at the test voltage of conditions specified in a) of **6.2**

For life test, lamps shall be operated until 50 per cent of lamps fail. Number of hours taken to fail 50 per cent of the lamps of the sample is the average life.

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