

**SRI LANKA STANDARD 1232: 2003**  
**UDC 621.327.534.15**

**SPECIFICATION FOR**  
**SINGLE CAPPED COMPACT**  
**FLUORESCENT LAMPS**  
**PART 1 – PERFORMANCE REQUIREMENTS**

**SRI LANKA STANDARDS INSTITUTION**

**SPECIFICITON FOR  
SINGLE CAPPED COMPACT FLUORESCENT LAMPS  
PART 1 - PERFORMANCE REQUIREMENTS**

**SLS 1232 : 2003**

**Gr. 20**

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**SRI LANKA STANDARD**  
**SPECIFICITON FOR SINGLE CAPPED COMPACT FLUORESCENT LAMPS**  
**PART 1 - PERFORMANCE REQUIREMENTS**

## **FOREWORD**

This standard was approved by the Sectoral Committee on Electrical Appliances and accessories and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2003-01-14.

This standard is published in two parts as follows:

- Part 1 - Performance requirements
- Part 2 - Safety requirements

This part of the standard specifies Performance requirements and methods of test for Single Capped fluorescent lamps. Part 2 of the Standard deals with safety requirements is a direct adoption of **IEC 1199**. **SLS 1231** deals with Compact fluorescent lamps of Self ballasted (Integral type) in two parts. Part 1 for Performance requirements and the other for safety.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or measurement shall be rounded off in accordance with **CS 102**. The number of significant figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

All the values given in this specification are in SI units.

The Sri Lanka Standards Institution gratefully acknowledges the use of **IEC 60901: 1996** of International Electrotechnical Commission, in the preparation of this standard.

## **1. SCOPE**

This Sri Lanka Standard specifies the performance requirements and methods of test for single-capped fluorescent lamps for general lighting service.

The following lamp types and modes of operation with external ballasts are included :

- a) lamps operated with an internal means of starting, having preheated cathodes, for operation on a.c mains frequencies;
- b) lamps operated with an external means of starting, having preheated cathodes, for operation on a.c mains frequencies with the use of a starter, and additionally operating on high frequency;
- c) lamps operated with an external means of starting, having preheated cathodes, for operation on a.c mains frequencies without the use of a starter (starterless) and additionally operating on high frequency;
- d) lamps operated with an external means of starting, having preheated cathodes, for operation on high frequency;
- e) lamps operated with an external means of starting, having non-preheated cathodes, for operation on high frequency.