

SRI LANKA STANDARD 1108 : 1995

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**METHOD OF MEASUREMENT OF
LAMP CAP TEMPERATURE RISE**

SRI LANKA STANDARDS INSTITUTION

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Gr. 8

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Sri Lanka Standard
METHOD OF MEASUREMENT OF LAMP CAP TEMPERATURE RISE

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 1995.12.14.

This standard prescribes a method of measurement of lamp cap temperature rise of tungsten filament lamps including general conditions for measurements, test requirements, test lamp holder requirements and assembly of lamp with the test lamp holder etc.

All values given in this specification are in SI units.

In reporting the result of a test or an analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with CS 102.

In the preparation of this standard, guidance obtained from the publication IEC 360 of International Electrotechnical Commission is gratefully acknowledged.

1 SCOPE

This standard describes the standard method of measurement of lamp cap temperature rise which is to be used when testing tungsten filament lamps for compliance with the limits.

2 REFERENCES

CS 102 Presentation of numerical values.

3 DEFINITIONS

For the purpose of this standard the following definitions shall apply;

3.1 temperature rise of cap : The surface temperature rise of a standard test lampholder fitted to the lamp cap, when measured under conditions specified in this standard.

3.2 equilibrium temperature(t_m): The steady-state temperature of a standard test lampholder reached after a sufficient lamp burning time.

NOTE

The measuring accuracy should be ± 1 °C.