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(JELMA/JSA)

**Tungsten filament lamps for domestic and
similar general lighting purposes**

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Electric Lamp Manufacturers Association (JELMA) /Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS C 7501**:2000 is replaced with this Standard.

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Tungsten filament lamps for domestic and similar general lighting purposes

Introduction

This Japanese Industrial Standard has been prepared based on Edition 6.3 of **IEC 60064** published in 2005, Amendment 4 (2007) and Amendment 5 (2009) with some modifications of the technical contents to reflect the distribution voltage and product specifications that are uniquely applied in the Japanese market.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JD. Further, Annex JA, Annex JB and Annex JC contain matters that are not given in the corresponding International Standard.

1 Scope

This Standard applies to tungsten filament incandescent lamps (hereafter referred to as the “lamps”) for general lighting service which comply with the safety requirements in JIS C 7551-1 and having :

- a) rated wattage of 10 W to 200 W, inclusive;
- b) rated voltage 100 V;
- c) bulbs of the A or PS shapes, or other similar shapes;

The bulb shapes and designations shall be in accordance with JIS C 7710.

- d) bulbs with clear or white finishes;
- e) caps E26/25.

Cap types and dimensions shall be in accordance with JIS C 7709-1.

Specific cap types are covered in clause 4.

The test methods and measurement procedures specified in this Standard are applicable to the evaluation of lamps which is not directly covered by this Standard (e.g. on various bulb shapes, finish, etc.).

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60064 : 2005 *Tungsten filament lamps for domestic and similar general lighting purposes — Performance requirements*, Amendment 4 : 2007 and Amendment 5 : 2009 (MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to

ISO/IEC Guide 21-1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7507 *Vernier, dial and digital callipers*

JIS C 1609-1 *Illuminance meters Part 1 : General measuring instruments*

JIS C 7551-1 *Incandescent lamps — Safety specifications — Part 1 : Tungsten filament lamps for domestic and similar general lighting purposes*

NOTE : Corresponding International Standard : **IEC 60432-1** *Incandescent lamps — Safety specifications — Part 1 : Tungsten filament lamps for domestic and similar general lighting purposes* (MOD)

JIS C 7709-1 *Lamp caps and holders together with gauges for the control of interchangeability and safety Part 1 : Lamp caps*

NOTE : Corresponding International Standard : **IEC 60061-1** *Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 1 : Lamp Caps* (MOD)

JIS C 7709-3 *Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 3 : Gauges*

NOTE : Corresponding International Standard : **IEC 60061-3** *Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 3 : Gauges* (MOD)

JIS C 7710 *Designation method for glass bulbs of lamps*

JIS Z 8113 *Lighting vocabulary*

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in JIS Z 8113 and the following apply.

3.1 type

lamps which, independent of type of cap, are identical in photometric and electrical characteristics

3.2 white finish

a low-loss white bulb finish, usually applied internally, that provides diffused light

3.3 light centre length

in the sense of this Standard and where specified on a lamp data sheet, light centre length is the distance from the geometrical centre of the filament to the contact plate of the cap, including solder

NOTE : A light centre length specification applies only to lamps with a clear