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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 10681-2009

Replacing GB/T 10681-2004

**Tungsten filament lamps for domestic and similar general
lighting purposes -- Performance requirements**

家庭和类似场合普通照明用钨丝灯 性能要求

(English Translation)

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Foreword

This standard corresponds to IEC 60064.2005A4.2007 "for domestic and similar general lighting purposes - Performance requirements" (English Version).

This standard and IEC 60064.2005A4.2007 non-equivalent degree of consistency.

--- The standard according to IEC 60064.2005A4.2007 redrafted.

This standard replaces GB/T 10681-2004 "for domestic and similar general lighting purposes - Performance requirements." this standard and GB/T 10681-2004 main differences are as follows.

--- In Chapter 3, to increase the "luminous efficiency" is defined;

- Adds to the "initial luminous flux and luminous efficiency" of the assessment requirements in 4.2.4.2;
- In conformity assessment in line with Chapter 5 of the situation added to the initial luminous flux and luminous efficiency at the same time assess the requirements;
- In Chapter 9, "Light Parameter List" parameter adds a "nominal luminous flux and luminous efficiency" At the same expression;
- In Appendix C of C. 3.2 adds a "nominal luminous flux and luminous efficiency" At the same assessment requirements.

The Standard Appendix A, Appendix B, Appendix C, Appendix D, Annex E and Annex F are normative appendix.

The standard proposed by China National Light Industry Council.

This standard by the National Standardization Technical Committee of electrical lighting (SAC/TC224) centralized.

This standard was drafted. National Electric Light Source Quality Supervision and Inspection Center (Shanghai), Beijing Lighting Research Institute.

Introduction

This standard describes the main technical requirements, the provisions of the basic product requirements and compliance conditions.

The technical content of IEC 60064 standard reference include E26 lamp voltage 220V and below the content. But given China Currently using E27 and B22d lamp, so in this standard delete the contents of E26 lamp and content lower than 220V voltage.

Also, because the white-light bulb for general lighting become increasingly important in the market, so this standard have also made provisions.

The latest IEC 60064 purpose of the amendment is to improve the classification of the various kinds of lights information. For example. all the requirements have been included in a standard chapter Section, because these requirements are very important, so put in front of the chapter. Similarly, all tests are listed in the same appendix in. Specific requirements in a particular lamp table lamp parameter can be reflected. This standard adopts the main elements of IEC 60064 in preparation.

For all product assessment guidelines, IEC standards of performance and safety requirements no difference. In accordance with IEC 60064 Contents in this standard included in the manufacturer's test data and evaluation of the overall product sample set of market and product performance requirements.

Domestic and similar general lighting purposes Performance requirements

1 Scope

This standard specifies the domestic and similar general lighting purposes (hereinafter referred to as lamps) - Performance requirements, test methods, eligibility determination for Method and evaluation methods for all products and manufacturer of final test records related. The standard assessment methods can be used for authentication. This standard for batch testing procedures applicable to the assessment of a particular batch but not for certification.

This standard applies to GB 14196.1-2008 ordinary incandescent tungsten lighting, the type comprising.

- Rated power. 15W ~ 200W (including 200W);
- Rated voltage. 220V and 230V;
- A-type or PS type bulb;
- Clear, matte, matte effect is similar to the inner coating or white-bulb;
- B22d, E27 lamp holder.

The standard Chapter 9 lists specific lamp type.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1406.1 lamp types and dimensions - Part 1. screw-on cap (GB/T 1406.1-2008, IEC 60061-1.

2005,

Lampcapsandholderstogetherwithgaugesforthecontrolofinterchangeabilityandsafety-Part 1. Lampcaps, MOD) GB/T 1406.5 lamp types and dimensions - Part 5. Bayonet cap (GB/T 1406.5-2008, IEC 60061-1.

2005,

Lampcapsandholderstogetherwithgaugesforthecontrolofinterchangeabilityandsafety-Part 1. Lampcaps, MOD) GB/T 1483.1 Lamp caps Gauges - Part 1. Screw-type lamp holder gauge (GB/T 1483.1-2008, IEC 60061-3:2004,
Lampcapsandholderstogetherwithgaugesforthecontrolofinterchangeabilityandsafety-Part 3. Gauges, MOD) GB/T 7249 incandescent Maximum dimensions (GB/T 7249-2008, IEC 60630:2005, IDT) Incandescent GB 14196.1-2008 Safety requirements - Part 1. domestic

and similar general lighting purposes (IEC 60432-1:2005, IDT) IEC 60887 bulb bulb naming system

3 Terms and Definitions

The following terms and definitions apply to this standard.

Irrespective of lamp type, having the same optical parameters of the light bulb.