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

GB 2797-2008

Replacing GB 2797-1994

Technical specification for lamp caps

灯头总技术条件

(English Translation)

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Foreword

All the technical contents of this standard is mandatory.

This standard shall be used together with the relevant product standard lamp, if any difference to the standard lamp shall prevail.

This standard replaces GB 2797-1994 "General technical conditions of the cap." the main differences between this standard and GB 2797-1994 are as follows.

--- Increasing the definition of a chapter, an increase in Appendix A;

--- References to chapters, mechanical strength, test methods, inspection rules were modified.

Appendix A of this standard is an informative annex.

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 drafting unit. Beijing Lighting Research Institute, Deqing new Minghui Light Sources Ltd..

1 Scope

This standard specifies the various metal lamp, ceramic lamp holder - Safety requirements and plastic cap, test methods, inspection rules, marking, packaging, transportation Transport and storage.

This standard applies to screw-on finished lamp on the pin type, pre-focus type, and miscellaneous bayonet cap.

Note 1: The standard eligibility conditions involve only safety indicators lamp, the lamp does not consider the specific type and size requirements. Use of this standard should reference GB/T 1406 series of standards.

Note 2: In addition to the screw type, pin type, pre-focus type and bayonet cap, are classified as miscellaneous cap.

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 191 packaging and marking transport and storage (GB/T 191-2008, ISO 780:1997, MOD) safety-Part 3. gaugesMOD) GB/T 1483.3 Lamp caps Gauges - Part 3. pre-focus lamp holder, lamp holder gauge (GB/T 1483.3-2008, IEC 60061-3:2007, Lampcapsandholderstogetherwithgaugesforthecontrolofinterchangeability andsafety-Part 3. gaugesMOD) GB/T 1483.5 Lamp caps Gauges - Part 5. bayonet lamp holder gauge (GB/T 1483.5-2008, IEC 60061-3:2007, Lampcapsandholderstogetherwithgaugesforthecontrolofinterchangeability andsafety-Part 3. gaugesMOD) GB/T 2900.65 Electrotechnical terminology Lighting ((GB/T 2900.65-2004, IEC 60050 (845). 1987, MOD) GB/T 5169.10 Fire hazard testing for electric and electronic products - Part 10. Glowing/hot wire based test methods - Glow wire mounted Set Common test methods (GB/T 5169.10-2006, IEC 60695-2-10:2000, IDT) GB/T 21098-2007 Lamp caps and test its safety and interchangeability gauge Part 4. Guidelines and general information (IEC 60061-4:2004, IDT) IEC 60061-2 Lamp caps and holders of interchangeability and safety gauges - Part 2. Lampholders IEC 60061-3 Lamp caps and holders of interchangeability and safety gauges - Part 3. Gauges

3 Terms and Definitions

GB/T 2900.65 determined and the following terms and definitions apply to this standard.

To use sockets or light fittings lamp components and power connections, and in most cases for fixing the lamp holder. [845 08-15] 3.2 Lamp housing can be screwed into the holder with the threaded cap (international name E-type). [845-08-16] 3.3 Cap lamp housing can be snapped to the socket with groove pins (International Nomenclature B type). [845-08-17] 3.4 Lamp into a smooth cylindrical cap (international name S type). [845-08-18] 3.5 on the base with one or more pins of the cap (international name. For a single pin for the F-type; for two or more pins for the G-type).

[845-08-19]

Light bulb in the manufacturing process in the light emitter mounted on the cap with respect to a particular position of the cap, it will give the bulb inside the lamp holder supporting load when precise positioning repeatability (International Nomenclature P-type). [845-08-20] 3.7 from the lamp (especially bayonet cap) protruding metal parts on the housing it with the notches on the card fit the lamp cap lamp holder is fixed. [845-08-21] 3.8 on the base (insulated from the housing) is connected to a guide wire, sheet metal lamp for the power supply connected. [845-08-22] 3.9 Fixed end cap is generally cylindrical metal member, to the corresponding jack to connect the lamp socket, or the lamp cap and lamp holder fixed electrical ground touch. [845-08-23] 3.10 the lamp fixed position, usually inserted therein lamp and lamp power supply and connecting devices. [845-08-24] 3.11 Device consists of an insulator and corresponding elastic connecting components of the connector and the power supply is connected to the lamp, but can not afford to support the lamp effect.

[845-08-25]

3.12

Electrical contact with the lamp holder directly through the end surface of the lamp leads to complete, the glass member (or other insulating material part) of the lamp End of the match in the socket mounting is essential. Such models are also suitable as a substitute for a whole type lamp end, and in accordance with the same Independent insulation cap interchangeability requirements.

4 Products

According to the structure characteristics can be divided into.

- a) screw-on cap (E);
- b) Pin lamp holder (G.F);
- c) pre-focus lamp holder (P);

- d) recessed lamp (R);
- e) cylindrical cap (S);
- f) bayonet cap (B);
- g) The lamp ends (W).

By Housing Material characteristics can be divided into.

- a) a metal cap;
- b) ceramic lamp;
- c) plastic cap.

5.1 Model and main dimensions

5.1.1

Base Type naming should be consistent with the provisions of GB/T 21098-2007 of.

5.1.2

The main dimensions of the cap should be consistent with GB/T 1406.1, GB/T 1406.2, GB/T 1406.3, GB/T 1406.4 and GB/T 1406.5 regulations, provisions of this standard Write lamp shall comply with IEC standards.

5.2 Material and appearance quality

5.2.1

bayonet cap pins shall be of steel or brass, brass pins and electrical contact pads or the same as the performance of the material should be used manufacture.

Metal cap insulator glass, ceramics, high temperature resistant bakelite or plastic and other materials should be used.

Plastic cap should be temperature, flame retardant materials to meet the requirements of 5.5 and 5.6.

5.2.2

metal lamp housing surface should be treated against corrosion.

5.2.3

lamp appearance should be smooth, no defects, no wrinkles, no cracks, no scratches pin, the outer surface of the coating should have bubbled serious passivation solution Marks and partial uncoated defects.