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

GB/T 7249-2016

Replacing GB/T 7249-2008

**Maximum lamp outlines for incandescent lamps
(English Translation)**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 and GB/T 20000.2-2009 given rules.

This standard replaces GB/T 7249-2008 "Incandescent lamp maximum dimensions." this standard compared with GB/T 7249-2008, the main technical changes as follows.

--- Added "Note. The maximum size of the E27/27 cap also applies to E27/25." (See 1.1);

--- Light shape parameter table in the first column, "pear/A55-A60-PS60" to "pear/A50-A55-A60-PS60", the last Column adds the parameter column with the leaflet number "7249-GB/T -4090" (see 2.2);

--- Lamp Profile Data Sheet "7249-GB/T -1010-4" Updated to "7249-GB/T -1010-5", "7249-GB/T -1020-4" Updated for "7249-GB/T -1020-5", the "Bulb Type A55-A60-PS60" in the loose-leaf pages should be changed to "Bulb Type A50-A55-A60-PS60";

--- Added PAR111 lamp shape data sheet "7249-GB/T -4090-1".

This standard uses the translation method identical with IEC 60630:2009 "Maximum dimensions of incandescent lamps" (version 2.6).

The documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

GB/T 1406.1-2008 lamp head type and size - Part 1 screw head (IEC 60061-1:2005, MOD)

GB/T 1406.2-2008 lamp type and size - Part 2. Pin-type lamp (IEC 60061-1:2005, MOD)

Lamp cap types and dimensions - Part 3. Prefocus lampholders (IEC 60061-1:2005, MOD)

GB/T 1406.3-2008 GB/T 1406.4-2008 Lamp cap types and sizes - Part 4. Miscellaneous

lamp cap (IEC 60061-1:2005, MOD) GB/T 1406.5-2008 Lamp cap types and dimensions - Part 5. Bayonet lamp caps (IEC 60061-1:2005, MOD) Lamp caps and holders - Test gauges - Part 1. Gauges for screw - type base and socket (IEC 60061-3).

2004, MOD)

Lamp caps and holders - Test gauges - Part 2. Gauges for pin headers and holders (IEC 60061-3).

2004, MOD)

Lamp caps and holders - Inspection gauges - Part 3. Gauges for prefocusing lamp caps and holders (IEC 60061-3).

2004, MOD)

GB/T 1483.4-2009 Lamp cap, lamp holder inspection gauges Part 4 - Miscellaneous lamps, lamp holder gauges (IEC 60061-3:2004, MOD) Lamp caps and holders - Inspection gauges - Part 5. Gauges for bayonet type holders and holders (IEC 60061-3).

2004, MOD)

GB/T 10681-2009 Household and similar general lighting tungsten lamp performance requirements (IEC 60064:2005A4:2007, NEQ) GB/T 14094-201 x tungsten halogen lamps (non-motor vehicles) performance requirements (IEC 60357:2011, NEQ) GB 14196.1-2008 Incandescent lamps safety requirements - Part 1. Tungsten lamps for general lighting purposes in home and similar situations (IEC 60432-1:2005, IDT) GB 14196.2-2008 Incandescent lamp safety requirements - Part 2. Halogen lamps for general lighting purposes in home and similar situations (IEC 60432-2:2005, IDT) GB 14196.3-2008 Incandescent lamp safety requirements - Part 3. Halogen lamps (for non-motor vehicles) (IEC 60432-3:2005, IDT) GB/T 20143-2006 lamp maximum outline drawing of the development process (IEC 61126:1992, IDT) QB/T 1112-2013 Bulb type designation for lamp (IEC/T R60887:2010, IDT) for ease of use, this standard made the following editorial changes.

- a) "This International Standard" be replaced by "this standard";
- b) Use "," as the decimal point instead of ".";
- c) The foreword to IEC 60630:2009 has been deleted.

This standard proposed by the China Light Industry Federation.

This standard by the National Lighting Standardization Technical Committee (SAC/TC224) centralized.

This standard was drafted. Hangzhou Han Light Co., Ltd., Beijing Institute of Light Sources.

1.1 Scope

This standard specifies the incandescent (including tungsten halogen lamp) the largest dimensions.

Note: The maximum dimensions of the E27/27 cap also apply to the E27/25.

1.2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Lamp caps and holders together with gauges for the control of interchangeability and safety IEC 60061-1, Part 1. Lampcaps and holderstogetherwithgaugesforthecontrolofinterchangeabilityandsafety-Part 1: Lampcaps) Lamp caps and holders together with gauges for the control of interchangeability and safety IEC 60061-3, Part 3. Gauges (Lampcaps and holderstogetherwithgaugesforthecontrolofinterchangeabilityandsafety-Part 3: Gauge) Tungstenfilamentlampsfor IEC 60064 Tungsten lamps for household and similar general lighting purposes (Tungstenfilamentlampsfor domesticandsimilargenerallightingpurposes-Performancerequirements) Tungstenhalogenlamps (non-vehicle) -Performance IEC 60357 Halogen Tungsten Lamps (Non-motor vehicles) specification Incandescent lamps IEC 60432-1, Safety requirements - Part 1 Incandescent lamps for general lighting purposes in home and similar situations lamps-Safety specifications-Part 1: Tungstenfilamentlampfordomesticandsimilargenerallightingpurposes) IEC 60432-2 Incandescent lamp safety requirements - Part 2. Incandescent lamps for home and similar general lighting purposes lamps-Safety specifications-Part 2: Tungstenhalogenlampfordomesticandsimilargenerallighting purposes IEC 60432-3 Incandescent lamps safety requirements Part 3. Halogen lamps (for non-motor vehicles) (Incandescentlamps-Safety specifications-Part 3: Tungstenhalogenlamp (non-vehicle)) IEC 60887 bulb glass model name method (Glassbulbdesignationsystemfor lamps) IEC 61126 lamp maximum size of the drawing process (Procedureforuseinthepreparationofmaximum lamp outlines)

1.3 General requirements

When designing the luminaire, complying with these requirements ensures that the luminaire meets the standards. This standard does not consider the temperature requirements, the relevant temperature requirements are listed in the respective lamp standards.

See IEC 61126 for the procedure for establishing the maximum outline of the lamp.

For the method of naming glass bulbs see IEC 60887.

This standard does not consider the lamp safety requirements. The relevant safety requirements should refer to IEC 60432.

This standard does not consider the lamp performance requirements. For luminous flux, life or power characteristics should refer to IEC 60064 or IEC 60357 Relevant performance standards.

For lamp caps and gauges see IEC 60061-1 and IEC 60061-3.