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

GB/T 15043-2008

Replacing GB/T 15043-1994

**Method of measuring electrical and photometric characteristics
for incandescent lamps**

白炽灯泡光电参数的测量方法

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Foreword

This standard replaces GB/T 15043-1994 "incandescent lamps parameter measurement method." This standard compared with GB/T 15043-1994, the main differences are as follows:

- The revised standard English;
 - Added "Normative References" chapter;
 - The whole layout and the clauses of the sort;
 - The measure to the red and blue color temperature than the method described in the classical photoelectric law;
 - Adds a new method for measuring the spectral photometric method and so on;
 - Switch integration and spectrometric method to determine the presentation of flux;
 - Adjust the accuracy of detection equipment requirements;
 - Adaptation of the measurement uncertainty verification system recommended method.
- The Standard Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix F, Appendix G, Appendix H normative appendix I to appendix Informative 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, Foshan Shunde this state power Co., Ltd, the National Electric Light Source Quality Supervision and Inspection Center (Beijing). The main drafters of this standard. Lu Rong tree, I'm following the steel, Zhao Xiurong, Jiang Shan, CAI dry strength, para Yan Fang. This standard was first published in 1994, this is the first revision. Incandescent lamps parameter measurement method

1 Scope

GB/T 15043-2008 is the Chinese national standard on method of measuring electrical and photometric characteristics for incandescent lamps, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 April 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2008. Classification: ICS 29.140.20, CCS K71. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the electrical parameters of incandescent bulbs and the total luminous flux, luminous intensity, spatial distribution of luminous intensity, color temperature (hereinafter referred to as luminous flux The amount of light intensity distribution of the light intensity and color temperature) of the measuring system and the measurement method. This standard applies to metallic tungsten incandescent light bulb as a light emitting material. This standard does not apply to standard light bulbs and bulb with a spectrally selective and spectrally selective reflective type with incandescent bulbs.

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 2900.65 Electrotechnical terminology Lighting (GB/T 2900.65-2004,

IEC 60050-845. 1987, MOD)

GB/T 7922-2003 lighting color measurement method

3 Terms and Definitions

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

3.1 Light flux emitted in 4pi space. Unit. lumen (lm).

3.2 Is used to replicate and maintain the total luminous flux units

--- lumens (lm) value and transfer value and the relative method for measuring the total flux source Standard measuring tool.

3.3 Luminous flux in a predetermined direction solid angle. Unit. candela (cd).

3.4 Light source in the direction of a predetermined solid angle range of luminous intensity. Unit. candela (cd).

3.5 Light emitted by the light color products (light color) and the same at a temperature blackbody chromaticity, when the absolute temperature of the blackbody is called the light source Color temperature. Referred to as "color temperature." Unit. Kelvin (K).

3.6 Distribution (color) temperature standard lamp is to save and transfer profile (color) temperature values of standard measuring instruments. Luminescent properties can be stabilized