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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

GB 19043-2013

Replace GB 19043-2003

Minimum allowable values of energy efficiency and the energy efficiency grades of double-capped fluorescent lamps for general lighting service

普通照明用双端荧光灯能效限定值及能效等级

Issued on June 9, 2013 Implemented on October 1, 2014

Issued by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and Standardization Administration of the People's Republic of China

Contents

Foreword

The provisions in 4.3 of the Standard are mandatory, while the rest is recommended.

The Standard is drafted according to the rules specified in GB/T 1.1-2009.

The Standard replaces GB 19043-2013 *Minimum Allowable Values of Energy Efficiency and the Energy Efficiency Grades of Double-capped Fluorescent Lamps for General Lighting Service*. In addition to editorial modification, the main technical changes are as follows compared with GB 19043-2013:

—— Modified the scope of the Standard;

—— Deleted technical requirements for minimum allowable values of energy efficiency for double-capped fluorescent lamps;

—— Improved initial luminous efficacy values of each energy efficiency grade of double-capped fluorescent lamps;

—— Deleted the inspection rules.

The Standard is proposed by Resource Conservation and Environmental Protection Division of National Development and Reform Commission and Energy Saving and Comprehensive Utilization Division of Ministry of Industry and Information Technology. The Standard is centralized by National Energy Basis and Management Standardization Technical Committee (SAC/TC 20).

The Standard is mainly drafted by: China National Institute of Standardization, Beijing Lighting Research Institute, Osram (China) Lighting Co., Ltd., Shanghai Institute of National Lighting Quality Supervision and Inspection Center, Panasonic Lighting (Beijing) Co., Ltd., Zhejiang Yankon Group Co., Ltd., Philips Lighting Industry (China) Co., Ltd., Shanghai Yaming Lighting Co., Ltd., Zhejiang Ch Lighting Co., Ltd. and Zhejiang Shenghui Lighting Co., Ltd..

The main drafters of the Standard: Liang Xiuying, Zhao Yuejin, Zhang Junbin, Wang Lihong, Yu Anqi, Chen Yiping, Liu Shijun, Huang Zhengyong, Guo Pengxin, Zhou Yufei and Lu Guangming.

Issuances of all previous versions of the Standard are as follows:

—— GB 19043—2013

Minimum allowable values of energy efficiency and the energy efficiency grades of double-capped fluorescent lamps for general lighting service

1 Scope

The Standard specifies the energy efficiency grades, energy efficiency limits, and evaluation values of energy conservation and test methods of double-capped fluorescent lamps for general lighting service (Hereinafter referred to as: double-capped fluorescent lamps).

The Standard applies to the following two operating types of lamps: preheating cathode lamp working in frequency of AC power supply starter lines and high frequency lines and preheating cathode lamp working in high frequency lines.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 10682 Double-capped fluorescent lamps—Performance specifications

GB 18774 Double-capped fluorescent lamps--Safety specifications

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions defined in GB/T 10682 apply.

3.1

Initial luminous efficacy for double-capped fluorescent lamps

Under the standard test conditions, the ratio of double-capped fluorescent lamps measured initial luminous flux and power. In the units of lm/W.

3.2

Minimum allowable values of energy efficiency for double-capped fluorescent lamps

Under the standard test conditions, the initial luminous efficacy of the double-capped fluorescent lamps shall reach the minimum standard value.

3.3

Evaluating values of energy conservation for double-capped fluorescent lamps

Under the standard test conditions, the initial luminous efficacy of the energy-saving type double-capped fluorescent lamps shall reach the minimum standard value.

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