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

GB/T 24824-2009

Measurement methods of LED modules for general lighting

普通照明用LED模块测试方法

(English Translation)

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Foreword

This standard corresponds to CIE127.2007 "LED Measurement" (in English).

And CIE127.2007 standard non-equivalent.

This standard is based on CIE127.2007 standards and the characteristics of the LED module redrafting.

Appendix D of this standard is a normative appendix, Appendix A, Appendix B, Appendix C is 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. Hangzhou distance Photoelectric Information Co., Ltd.,

Zhongshan-to Lighting Co., Ltd., Shenzhen shares have electric lighting Ltd., Zhongshan Op lighting Co., Ltd. Shenghui Lighting Appliance (Zhejiang) Co., Ltd., the National Electric Light Source Quality Supervision and Inspection Center (Shanghai), Guangdong Heshan Silver Rain Lighting Limited.

1 Scope

This standard specifies the method for measuring basic performance of general lighting LED module.

This standard applies to power greater than or equal to 1W, at a constant voltage, constant current or constant power stable operation, external control LED module; and a DC or less 250V AC 50Hz or 60Hz, since the town 1000V or less stable power supply Flow LED module.

LED products within the scope of this standard non, if necessary, can also refer to this standard.

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 2900.65-2004 Electrotechnical terminology lighting (IEC 60050 (845). 1987, MOD)
GB/T 5702-2003 light color evaluation method GB/T 7922-2008 lighting color measurement method GB/T 24826-2009 general lighting LED lights and LED modules terminology and definitions GB 17625.1-2003 Electromagnetic compatibility - Limits for harmonic current emissions (equipment input current $\leq 16A$) (IEC 61000-3-2:2001, IDT) JJG211-2005 light meter verification procedures JJG245-2005 light meter verification procedures CIE15.2004 colorimetric CIE70. 1987 measuring absolute luminous intensity distribution CIE84. 1989 flux measurements CIE102.1993 photometric data electronic transmission recommended file format CIE121.1996 photometric and photometric distribution luminaires school EN13032-1:2004 Determination of lamps and lamp photometric data - Part 1. Measurement and file format

3 Terms and Definitions

GB/T 24826-2009 and GB/T 2900.65-2004 determined and the following terms and definitions apply to this standard.

Mechanical axis of the LED module.

Reference axis and the light emitting aperture of the intersection of LED modules.

By plane LED module reference axis, a light emitting plane can be divided in two as a starting reference axis luminous half plane.