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

GB/T 26692-2011

**Frequency-flick-free a.c. supplied electronic ballasts for tubular
fluorescent lamps - Performance requirements**

管形荧光灯用无频闪电子镇流器 性能要求

(English Translation)

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Foreword

The Standard Appendix A, Appendix B, Appendix C is normative appendix, Appendix D 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 was drafted. National Electric Light Source Quality Supervision and

Inspection Center (Shanghai), Beijing Lighting Research Institute, Zhongshan Op lighting Shares Limited.

1 Scope

This standard specifies the high frequency operation of tubular fluorescent lamps flicker free electronic ballast performance requirements.

This standard applies to the use of the frequency of 50Hz, 60Hz AC or DC power supply, voltage 1000V or less, the operating frequency Unlike tubular fluorescent power frequency, match it should comply with GB/T 10682 and GB/T 17262 requirements.

Note 1: The test described in this standard are type tests. It does not include a single ballast during production test requirements.

Note 2: For the final product, such as lamps and stand-alone control devices, has developed on adjusting the supply current harmonics and immunity of the special standard. At this Aspect, lighting control device plays a major role. Control devices and other components shall comply with these standards.

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 10682 double-ended fluorescent lamps - Performance requirements
GB/T 15144-2009 tubular fluorescent lamps with electronic ballasts Performance requirements (IEC 60929:2006, MOD) GB/T 17262 Single-capped fluorescent lamps - Performance requirements GB 17625.1 Electromagnetic Compatibility Limits for harmonic current emissions (equipment input current $\leq 16\text{A}$) (GB 17625.1-2003, IEC 61000-3-2:2001, IDT) Limits and methods of measurement of radio disturbance characteristics of GB 17743 electrical lighting and similar equipment (GB 17743-2007, CISPR15.

2005 A1:2006, IDT)

Part 1 GB 19510.1 lamp control apparatus. General and safety requirements (GB 19510.1-2009, IEC 61347-1.

2007, IDT)

Section 4 GB 19510.4 Lamp control unit. electronic ballasts for fluorescent lamps -

Particular requirements (GB 19510.4-2009, IEC 61347-2-3:2006, IDT) IEC 60410 count inspection Sampling plans and procedures
(Sampling plans and procedures for inspection by attributes)

3 Terms and Definitions

GB 19510.1 establish the following terms and definitions apply to this standard.

Start aid starting aid Start auxiliary member may be fixed in a light strip on the outer surface of the conductive member, or a lamp at appropriate intervals to maintain a sheet-shaped guide Electrical components. Start aid is usually grounded and only at one end of the lamp when sufficient work to keep the potential difference.

Ballast lumen factor balast lumen factor when tested ballast at its rated voltage, the lamp luminous flux of the lamp and the appropriate reference ballast at its rated voltage and together