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

GB 20550-2013

Replacing GB 20550-2006

Glow-starters for fluorescent lamps

荧光灯用辉光启动器

(English Translation)

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Foreword

The first chapter of this standard 4,5,6,7 technical content are mandatory, others are recommended.

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

This standard replaces GB 20550-2006 "fluorescent glow starter." Compared with GB 20550-2006 major technological changes as follows.

--- Normative references added three new references.

- GB/T 9797-2005 Metallic coatings nickel-chromium and copper-nickel-chrome plating;
- ISO 2081. 1986 metallic coating iron or steel zinc plated layer;
- ISO 2093. 1986 tin plated layer specification and test methods;
- 7.9 connection increases the technical requirements for the second stage design-related start connected;
- Appendix increased Annexes D and E of the content.

This standard uses the translation method identical with IEC 60155:2006 "fluorescent glow starter." Correspondence between the consistency of the standards of international documents and normative references of the following documents.

- GB 1312-2007 tubular fluorescent lamps and starter holders (IEC 60400:2004, IDT)
- GB/T 4687-2007 paper, cardboard, pulp and related terms (ISO 4046:2002, MOD)
- GB 7000 (all parts) lamps (IEC 60598, IDT)
- GB/T 9799-1997 Metallic coatings on steel zinc plated layer (equivISO 2081. 1986)
- GB/T 10682-2010 double capped fluorescent lamps - Performance requirements (IEC 60081:2005, NEQ)
- GB/T 12599-2002 tin plated metallic coating layer specification and test methods (ISO 2093. 1986, MOD)
- GB/T 14044-2008 tubular fluorescent ballasts Performance requirements (IEC 60921:2006, MOD)
- GB/T 17262-2011 Single-capped fluorescent lamps - Performance requirements (IEC 60901:2007, NEQ) for ease of use, this standard made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) Remove IEC 60155:2006 Foreword.

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 Jing Blue Lighting Technology Co., Ltd. on Yu Jinghua backlight, Yuan Tak Holdings Limited, Germany Fresh Minghui Light Sources Ltd., Beijing Institute of electric light.

1 Scope

This standard specifies the preheat type fluorescent lamps can replace the glow starter (hereinafter referred to as "starter") requirements.

Part 1 provides general requirements and safety requirements should be consistent with the starter.

Section 2 defines the initiator of performance requirements.

II type fluorescent lamps with a glow starter shall comply with additional requirements set out in Appendix B.

Note: The starter is typically designed to launch a range of light, depending on the supply voltage range, single or dual lamp work lights work in tandem, the maximum lamp voltage and starting the lamp requirements.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 9797-2005 Metallic coatings nickel-chromium and copper-nickel-chromium plating layer (ISO 1456:2003, IDT) IEC 60081 double-ended fluorescent lamps - Performance requirements (Double-capped fluorescent lamps - Performance specifications) IEC 60400 for tubular fluorescent lamps and starter holders
(Lamp holders for tubular fluorescent lamps and starter holders) IEC 60598 (all parts) Lamps (Luminaires) IEC 60695-2-1:1991 Fire resistance tests - Part 2. Test methods - Section 1 glow-wire test and guidance (Fire hazard testing - Part 2. Test methods Section 1. Glow-wire test and guidance) IEC 60901 Single-capped fluorescent lamps - Performance requirements (Single-capped fluorescent lamps - Performance specifications) IEC 60921 Ballasts for tubular fluorescent lamps - Performance requirements
(Ballasts for tubular fluorescent lamps - Performance requirements) ISO 2081. 1986 metallic coating iron or steel zinc plated layer (Metallic coatings - Electroplated coating of zinc on iron or steel) ISO 2093. 1986 tin plated layer specification and test methods (Electroplated coating of tin - Specification and test methods) ISO 4046. 1978 Paper, board, pulp and related items vocabulary (Paper, board, pulp and related terms - Vocabulary)

3 Terms and Definitions

The following terms and definitions apply to this document.

Starter

In addition to the main switch for closing or opening the fluorescent lamp preheating circuit,

the lamp startup device.

Glow starter Rely working gas glow discharge starter.

Non-reclosable voltage non-reclosurevoltage After starting the test voltage is operated in the operating speed test started, the starter pins can not be re-closed voltage derating.

Deactivation lamp deactivatedlamp Loss of one or both ends of the filament emission material, but none of the filament ends being damaged lamp.

Working with a time limit means glow starter glow-starterswithoperatingtimelimitation Start time can not start to prevent the lamp (for example, to activate the lamp electrodes) of the glow starter. It can be divided into the following types.

- a) Non-reset type starter (start time);
- b) manual reset type starter;
- c) Auto Reset starters, by driving the main switch or other action is completed.

Part 1 - General requirements and safety requirements

4 General requirements

The design and structure of the initiator should be in normal use, the user and the surrounding environment were not dangerous. Typically, by carrying out a predetermined Various tests to verify their eligibility.

5 General requirements, tests

5.1

includes only type testing requirements.

5.2

Unless otherwise stated, the test should be carried out at 25 °C ambient temperature of ± 5 °C.

5.3

the test shall be conducted in accordance with the terms of the order.

6 Logo

6.1

Enabler shall be clearly and durably marked with the following signs.

- a) the manufacturer or dealer (dealer liability) name or trademark;
- b) the type or product type;