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

GB/T 14044-2008

Replacing GB/T 14044-2005

**Ballasts for tubular fluorescent lamps -- Performance
requirements**

管形荧光灯用镇流器 性能要求

(English Translation)

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Foreword

This revised standard adopts IEC 60921:2006 "tubular fluorescent ballasts performance requirements" (Version 2.1, English).

This standard is based on IEC 60921:2006 redrafted. This standard and IEC 60921:2006 The main differences are as follows.

- a) The standard Chapter 15 increases the noise;
- b) in Appendix A of this standard increased A. 10 line power factor measurement, A.

Measuring 11 supply current, A. 12 noise testing;

c) The increase in the standard Figure A. 12 lines and power factor measurement circuit A. 13 Noise iron size.

For ease of use, this standard also made the following editorial changes.

a) instead of as a decimal by decimal comma " , " ;

b) 'this International Standard' to replace the word 'this standard';

c) Remove international standards foreword.

d) For IEC 60921:2006 and other international standards referenced in the equivalent of being adopted as our standard, this standard with reference to me these national standards or industry standards of the country in place of the corresponding international standards, and the rest not tantamount to the adoption of international standards for our standard Accurate, in this standard are a direct reference.

This standard replaces GB/T 14044-2005 "tubular fluorescent lamp ballasts performance requirements." this standard compared with GB/T 14044-2005, the main differences are as follows.

a) an increase of 3.1;

b) an increase of 4.7;

c) an increase of 6.2c) and after injection of 2;

d) an increase of 6.3 and 6.5;

e) increased by 7.3;

f) Remove 11.1;

g) an increase in Chapter 16, the contents of the energy efficiency rating is based on the European CELMA Directive; reference test methods EN50294.

Ballasts for tubular fluorescent lamps - Performance requirements

1 Scope

This standard specifies the use of 50Hz or 60Hz, 1000V ac power, preheat the tubular cathode fluorescent lamp to work with (non Resistance-type) ballast performance requirements, it can be used with or without fluorescent starter or starter work lamp rated power, size and Characteristics shall comply with IEC 60081 and IEC 60901 requirements. This standard applies to complete ballasts and their components, such as resistors, Transformers and capacitors.

This standard does not include the provision of GB 19510.4 high frequency operation of

tubular fluorescent lamps with electronic ballasts.

Note: In some areas, formulate regulations regarding electromagnetic compatibility lamps. Control means lights also make this change in electromagnetic compatibility. See literature.

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.

Part 1 GB 19510.1-2008 lamp control apparatus. General and safety requirements (IEC 61347-1:2006, IDT) Particular requirements for ballasts for fluorescent lamps (IEC 61347-2-8. GB 19510.9-2008 lamp control apparatus - Part 9.

2006, IDT)

GB/T 19655 lamps Starting devices (other than glow starters) Performance requirements (GB/T 19655-2005, IEC 60927:1996, IDT) GB/T 21656-2008 lamp international coding system (ILCOS) (IEC 61231:1999, IDT) IEC 60081 double-ended fluorescent lamps - Performance requirements IEC 60901 Single-capped fluorescent lamps - Performance requirements the method of measuring total lamp circuit input power - EN50294 ballast

3 Definitions

This standard uses the following definition and 19510.9-2008 GB .

Capacitive current series with the lamp so that the lamp ballast ahead of the line voltage.

4 General requirements for tests

4.1

standard tests are type tests.

Note: The requirements and tolerances specified in this standard are based on the type of test samples provided by the manufacturer for this purpose tested and developed. This type of test should have the typical characteristics of the product on the manufacturer's test sample principles and values should be as close to the center of the product.

About tolerances given in this standard can be expected as long as most of the products in accordance with the type test sample to produce, will meet this standard.

Due to the discrete nature, it is inevitable sometimes appear outside the specified tolerance range of the ballast.

Check the count on the sampling plan and procedures, see IEC 60410.

4.2

The test shall be conducted in accordance with the terms of the order, except as otherwise provided.

4.3

a sample shall be subjected to all tests.