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

GB 7000.6-2008

Replacing GB 7000.6-1996

**Safety requirements of luminaires with built-in trans-formers for
filaments lamps**

灯具 第2-6部分：特殊要求 带内装式钨丝灯变压器或转换器的灯具

(English Translation)

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Foreword

All technical contents of this section is mandatory.

This section GB 7000 series lighting a part of the national standard, GB 7000 series has 19 parts to this part of publication Japan, published GB 7000 series of standards are as follows.

--- GB 7000.1-2007 lamps - Part 1: General Requirements and Test --- GB 7000.2-2008 Luminaires - Part 2-22. Particular requirements for emergency lighting --- GB 7000.3-1996 safety requirements of portable luminaires for garden use --- GB 7000.4-1996 Luminaires - Part 2-10. Particular requirements for children luminaries --- GB Safety requirements of luminaires for road and street lighting Particular requirements for built-in lamps with tungsten filament transformers or converters. --- GB 7000.6-2008 lamps - Part 2-6 --- GB 7000.7-2005 Safety requirements for floodlights --- GB 7000.8-1997 swimming pools and similar lighting safety requirements --- GB 7000.9-2008 lamps Part 2-20. Particular requirements for light strings --- GB 7000.10-1999 Safety requirements for fixed general purpose luminaires --- GB 7000.11-1999 portable general purpose lamps safety requirements --- GB 7000.12-1999 Safety requirements for recessed luminaires --- GB 7000.13-1999 Safety requirements for handlamps --- GB 7000.14-2000 ventilated luminaires safety requirements --- GB 7000.15-2000 stage lighting, television, film and photographic studios (indoor and outdoor) Safety requirements of luminaires --- GB 7000.16-2000 building hospitals and rehabilitation clinics Safety requirements of luminaires --- GB 7000.17-2003 safety requirements limit the surface temperature of the lamp --- GB 7000.18-2003 filament lamps extra low voltage lighting system security requirements --- GB 7000.19-2005 photo and film (non-professional use) Safety requirements for lighting This section is part of the GB 67000 series.

This section is equivalent to using IEC 60598-2-6:1994 "Lamps - Part 2. Particular requirements Chapter 6. tungsten with built-in transformer Lamps "and 1996 Revision 1 piece or converter. This made the following section editorial changes to the text.

--- Since the 2003 publication 2.2 6th edition of IEC 60598-1 has been deleted Category 0 type lamps, so in this part of the revision When deleting the original in the range of "0 to not more than 250V type lamps" text of article classification description 4 in the lamp "Class 0", on the last paragraph of Article 6.1 of the relevant provisions 0 class structure also deleted.

1.1 --- original reference documents because the IEC 60742 GB identical with the first one has been equivalent to 13028 IEC GB 19212.1 61558-1 alternatives, so increasing the reference standard GB 19212.1 time of writing.

--- original 1.1 reference documents IEC 1046:1993 IEC 61347-2-2 has been replaced so when the original written

IEC 1046 instead equivalent to the national standard of GB 19510.3 IEC 61347-2-2.

This partial replacement GB 7000.6-1996 "filaments lamps built-in transformers safety requirements", and the standard edition GB 7000.6- The main technical difference between the 1996 version of the standard include.

--- standard name to "Lamps - Part 2-6. Particular requirements with built-in transformers or converters tungsten lamp." --- insert "or switch" or "or (SELV) converter" After a plurality of articles "transformer", as the terms of paragraph 1 and 1 3 segments; Terms of from 3.2 to 3.7; the end of the injection at the end of clause 5 and 8.1 the second line and the like.

5.5 --- modification, when the invisible with normal operation of the converter transformer or fuse alternatively, should the transformer or converter Mark symbol on the fuse unit.

Appendix A of this section is normative.

1 Scope

GB 7000 specifies this section with tungsten or with a built-in converter transformer, the power supply voltage and the output voltage does not exceed 1000V Type I and safety requirements class II lamps. This section should be read in conjunction with the relevant sections of GB 7000.1 references.

GB section 7000 does not apply to the present III type lamps.

In order to meet the requirements of this section and use the "Safety Extra Low Voltage" (SELV) or transformer (SELV) converter is not required. but Such a transformer or converter to meet the specific requirements of this section.

1.1 Normative References

Terms of the following documents constitute provisions of this section by reference in this 7000 GB. For dated references, All subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encouraged to reach an agreement under this section Whether the parties to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 5465.2 electrical equipment graphical symbols (GB/T 5465.2-1996, idt IEC 417:1994)

GB 7000.1 lamps - Part 1: General requirements and tests (GB 7000.1-2007, IEC 60598-1:2003, IDT)

GB 13028 Isolating transformers and safety isolating transformers requirements

GB 19212.1 Safety of power transformers, power supply units and similar products - Part 1: General requirements and tests (GB 19212.1-2003, IEC 61558-1:1998, MOD)

GB 19510.3 lamp control apparatus Part 3: Tungsten Particular requirements for AC/DC buck converter electronics (GB 19510.3-2004, IEC 61347-2-2:2000, IDT)

2 General test requirements

Application of the provisions of Section 0 7000.1 GB respective chapters each test shall be set forth in this section of GB 7000.1 Order.

3 Definition

GB 7000.1 in use with the definition in Chapter 1 and the following definitions.

3.1

Power source connected to the windings.

3.2

Winding connected to the lamp.

3.3

Converter transformer or a specified supply voltage.

NOTE: If the input winding has a plurality of taps, the transformer or the converter may have more than a nominal supply voltage.

3.4

Supply voltage range of the converter transformer or spend limit and lower limit represented.

NOTE: nominal supply voltage range is set to a single joint terms. Input winding transformer with multiple taps may have more than a nominal power voltage range.

3.5

At nominal power supply voltage and a nominal frequency condition, given transformer or converter maximum rated output current.

3.6

The nominal supply voltage, nominal power factor of the power supply frequency and the nominal output current is a condition under given transformer or converter The output voltage.

3.7

The nominal voltage and the nominal output product of the output current.

4 Category of lamps

Lamps shall be divided into classes and class II I GB 7000.1 in accordance with Chapter 2.

5 Mark

Application GB 7000.1 with a predetermined Chapters 3 and 5.1 to 5.5 or less.

Note: In accordance with GB 7000.1 Chapter 3 can be represented on the ballast markers also may be labeled in this section relates to a transformer or converter On the device.

5.1

Nominal supply voltage or nominal supply voltage range (V) to be marked can see the position of maintenance in the lamp.

5.3

Applies, "lamps operate at a power supply voltage and off the power source should be preceded by exchange" warning should be provided with the luminaire The manufacturer's instructions in a statement. When the lamp voltage of the power supply voltage considerable differences, this warning is necessary. For example, lamp 6V voltage and the power supply voltage 240V autotransformer.