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

GB 7000.214-2015

**Luminaires -- Part 2-14: Particular requirements -- Luminaires
for cold cathode tubular discharge lamps (neon tubes) and
similar equipment**

(English Translation)

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Table of Contents

1 Scope	1
2 Normative References	1

Foreword

All technical contents of this section is mandatory.

This part is a part of the national standard GB 7000 lamps 7000 part of the existing 23 GB , the publication date of this section, has been published

GB 7000 standard score of the following.

- lamps - Part 1. General requirements and tests (GB 7000.1-2007);
- lamps Part 2-22. Particular requirements for emergency lighting (GB 7000.2-2008);
- lamps Part 2-10. Particular requirements for children luminaires (GB 7000.4-2007);
- lamps - Part 2-6. Particular requirements with a built-in transformer or converter tungsten lamp (GB 7000.6-2008);
- Floodlights safety requirements (GB 7000.7-2005);
- lamps Part 2-20. Particular requirements for light string (GB 7000.9-2008);
- safety requirements limit the surface temperature of the lamp (GB 7000.17-2003);
- tungsten with extra low voltage lighting system security requirements (GB 7000.18-2003);
- photo and film luminaires (non-professional use) safety requirements (GB 7000.19-2005);
- lamps - Part 2-1. Particular requirements for fixed general purpose luminaires (GB 7000.201-2008);
- Luminaires - Part 2-2. Particular requirements for Recessed Lighting (GB 7000.202-2008);
- lamps - Part 2-3. Particular requirements for road and street lighting (GB 7000.203-2013);
- lamps - Part 2-4. Particular requirements for portable general purpose luminaires (GB 7000.204-2008);

- lamps - Part 2-7. Particular requirements for garden use luminaires (GB 7000.207-2008);
- lamps - Part 2-8. Particular requirements for portable lamp (GB 7000.208-2008);
- lamps - Part 2-11. Particular requirements for the aquarium lamp (GB 7000.211-2008);
- lamps Part 2-12. Particular requirements nightlight power outlet mounted (GB 7000.212-2008);
- Luminaires - Part 2-13. Particular requirements for ground recessed light fixtures (GB 7000.213-2008);
- lamps - Part 2-14. Particular requirements for the use of cold cathode discharge lamps (neon) lamps and the like (GB 7000.214-2014);
- Luminaires - Part 2-17. Particular requirements for stage lighting, television, film and photographic studios (outdoor and indoor) lighting (GB 7000.217-2008);
- lamps Part 2-18. Particular requirements for swimming pools and similar lamp (GB 7000.218-2008);
- lamps - Part 2-19. Particular requirements for ventilated luminaire (GB 7000.219-2008);
- Luminaires - Part 2-25. Particular requirements for the building of hospitals and rehabilitation clinics lamp (GB 7000.225-2008).

This is Part 2-14 GB 7000's.

This section drafted in accordance with the rules GB/T 1.1-2009 given.

This section uses the translation method is equivalent to using IEC 60598-2-14.2009 "lamps - Part 2-14. Particular requirements for the use of cold cathode tubes

Discharge lamp lighting "(neon) and similar devices.

Consistency correspondence relationship with international documents in this section of our normative references the following documents.

--- GB 4208-2008 level of protection provided by enclosures (IP Code) (IEC 60529.2001, IDT)

--- GB/T 5465.1-2009 Graphical symbols electrical equipment Part 1. Overview and classification (IEC 60417DB.2007,

MOD)

--- GB/T 5465.2-2008 electrical equipment Graphical symbols Part 2. Graphical symbols (IEC 60417DB.2007, IDT)

This section was proposed by China Light Industry Federation.

This part of the Technical Committee (SAC/TC224/SC2) under the jurisdiction of the lamp lighting the National Standardization Technical Committee points.

This section was drafted. the era of Shanghai Lighting Appliance Testing Co., the National Lighting Fitting Quality Supervision and Inspection Center, the National Electric Light Source

Quality Supervision and Inspection Center (Shanghai), Hangzhou Hongyan Electric Co., Ltd., Dongguan City, the National Lighting Fitting Quality Supervision and Inspection Center (Zhongshan), Guangdong Province

Quality Supervision and Testing Center, Changzhou City, product quality supervision and inspection.

1 Scope

GB 7000. This part does not exceed the power supply voltage applied to 1000V, 1000V greater than but not more than the load rated 10000V

Work in the output voltage, the cold cathode lamp tubular discharge lamps and similar devices, mainly for indoor or outdoor general lighting.

Note: In Japan, the output voltage of 15000V is applicable.

This section applies to fixed or luminaries including a light emitting discharge tube and the power supply section, by the transformer, converter or inverter supplies

High voltage, mains voltage or extra-low voltage (ELV).

This does not apply to a light emitting discharge working standard GB 7000 relates to the specific product standards do not exceed the rated voltage of 1000V

(Preheated cathode) lamps, and the application area wiring rules, assembled on site, as a light-emitting discharge lamps electrical system.

This part used with relevant sections GB 7000.1 reference.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper

Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB 19149-2003 load output voltage exceeding 1000V tubular discharge lamps having a transformer (neon transformer) and the general requirements

Safety Requirements (eqv IEC 61050.1991)

Part 11 GB 19510.11-2004 lamp control apparatus. a high frequency cold start tubular discharge lamps (neon) electronic inverter

And special requirements of the drive (IEC 61347-2-10.2000, IDT)

IEC 60417 devices with graphical symbols (Graphical symbols for use on equipment)

IEC 60529 shell protection (IP code) [Degrees of protection provided by enclosures (IP Code)]

7000.1 provisions of Chapter 0 Application GB .

Note: GB 7000.1 Chapter 0 covering the complete product, routine tests can be carried out in accordance with Appendix Q 7000.1 GB of.

Terms and definitions 4

Application of GB 7000.1 Chapter 1 and the following terms and definitions.

4.1

Emitting discharge luminous-discharge tube

A sealing tube made of a translucent material, or other container or apparatus, since the current through the internal gas or vapor to emit light.

Note: with or without a fluorescent tube may be coated.

4.2

Load rated output voltage of the no-load rated output voltage

2.8 GB 19149-2003 maximum rated output winding transformer voltage between terminals, or GB 19510.11-2004

Between the maximum rated voltage of 3.2 inverter or drive terminals.

4.3

Insulating sleeve insulating sleeve

Placed in the high-pressure connection point or the cable jacket at the end of the insulated pipe electrode exposed.

4.4

Earth leakage protection device earth leakage protective device

When a short circuit occurs between the correlation between the output member and the ground circuit or a plurality of the control means of the power cut-off means output.

NOTE: means may be two portions, a sensor and a circuit breaker (see 7.3), or may be combined in