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

GB 7000.203-2013

Replacing GB 7000.5-2005

**Luminaires -- Part 2-3: Particular requirements -- Luminaires for
road and street lighting**

灯具 第2-3部分：特殊要求 道路与街路照明灯具

(English Translation)

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Foreword

All technical contents of this section is mandatory.

This part is a part of series of lamps GB 7000 National Standard, GB 7000 series of existing standards 22, to this part of the 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 7000.4-2007 Luminaires - Part 2-10. Particular requirements for children luminaries
- 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 7000.9-2008 lamps Part 2-20. Particular requirements for light string
- 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
- GB 7000.201-2008 lamps - Part 2-1. Particular requirements for fixed general purpose luminaires
- GB 7000.202-2008 Luminaires - Part 2-2. Particular requirements Recessed Lighting
- GB 7000.204-2008 lamps - Part 2-4. Particular requirements for portable general purpose luminaires
- GB 7000.207-2008 lamps - Part 2-7. Particular requirements for garden use luminaries
- GB 7000.208-2008 lamps Part 2-8. Special requirements handlamps
- GB 7000.211-2008 Luminaires - Part 2-11. Particular requirements for the aquarium lamps
- GB 7000.212-2008 lamps - Part 2-12. Particular requirements for the power outlet mounted nightlight

--- GB 7000.213-2008 Luminaires - Part 2-13. Particular requirements for ground recessed light fixtures

--- GB 7000.217-2008 Luminaires - Part 2-17. Particular requirements for stage lighting, television, film and photographic studios (Indoor

Outside) lighting

--- GB 7000.218-2008 Luminaires - Part 2-18. Particular requirements for swimming pools and similar lighting

--- GB 7000.219-2008 lamps - Part 2-19. Particular requirements for ventilated luminaires

--- GB 7000.225-2008 Luminaires - Part 2-25. Particular requirements for the building of hospitals and rehabilitation clinics lamp

This section drafted in accordance with the rules GB/T 1.1-2009 given. This portion of GB 7000.1 "lamps - Part 1. General Requirements

Use the test "together.

This section instead of GB 7000.5-2005 "roads and street lighting safety requirements."

This portion of the main technical difference GB 7000.5-2005 follows.

--- increase Normative references GB/T 20138-2006 (1.1).

--- increase the maximum mounting height of the lamp marking requirements (5i) in the installation instructions.

--- modify the requirements of the lamp glass (6.5).

--- adds the requirement glass thermal limit (12.3).

This section uses the translation method identical with IEC 60598-2-3:2002 A1:2011 "Luminaires - Part 2-3. Particular requirements for road

And street lighting. "

This section was proposed by China Light Industry Federation.

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

This section was drafted. National Lighting Fitting Quality Supervision and Inspection Center, the National Electric Light Source Quality Supervision and Inspection Center (Shanghai), Shanghai era

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Luminaires - Part 2-3. Particular requirements

Road and street lighting

1 Scope

Requirements of GB 7000 series of standards in this section apply to.

- roads, street lighting and other outdoor public places, lighting fixtures;
- tunnel lighting;
- total minimum height of 2.5m above normal ground column synthesis of lamps;

These lamps and an electric power source voltage does not exceed 1000V.

Note: The total height of less than 2.5m of the column synthesis lamps are under consideration.

1.1 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/T 2423.55-2006 Environmental testing for electric and electronic products - Part 2. Environmental Test Test Eh. Hammer tests

(IEC 60068-2-75.1997, IDT)

GB 7000.1 lamps - Part 1. General requirements and tests (GB 7000.1-2007, IEC 60598-1.2003, IDT)

Part of 7-714 GB 16895.28-2008 building electrical apparatus. outdoor lighting apparatus requires special devices or locations

(IEC 60364-7-714.1996, IDT)

GB/T 20138-2006 electrical equipment enclosures against external mechanical impact protection rating (IK Code) (IEC 62262.2002, IDT)

7000.1 provisions of Chapter 0 Application GB .

Test in the order listed in this section shall be specified in the relevant chapter GB 7000.1.

For reasons of convenience the test, and a sample size, it allows the appropriate lamp using only the member (mainly applied to the synthesis column lamps).

More severe when the product is required to re-test/key requirement in Appendix B.

3 Terms and Definitions

GB 7000.1 Definition The following terms and definitions apply to this document.

3.1

Jumper spanwire

Bear the entire weight of the device between the main bearing rope.

NOTE: The entire device may include several lamps, power cables and wire (cable).

3.2

Suspension line suspensionwire

Bear the weight of the fixture system to the jumper cable.

3.3

Lock cable staywire

The tensioning cable between the main support member for limiting lateral movement and rotation of the lamp suspension.

3.4

Column lighting column-integratedluminaires Synthesis of

The illumination system formed by combining the lamp in a lamp post, lamp post fixed to the ground.

3.5

Column synthesis lamp reflecting member or exterior member
reflectiveordecorativeexternalpartofacolumn-inte-
gratedluminaire

It means to fix the direction of the reflected light, or as decorative (typically at the top of column synthesis lamp) mounted in the device object on the lamp chamber.

3.6

Lamppost lightingcolumn

Hold one or more support members of the fixture, comprising one or more components. a column, then there may be a long member (if desired)

A bracket. Pendant lighting columns are not included.

3.7

Column synthesis lamp nominal height nominalheightofacolumn-integratedluminaire