

ICS 29.140



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

GB/T 7000.201-2023

**Luminaires - Part 2-1: Particular requirements - Fixed general
purpose luminaires
(English Translation)**

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020

"Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document is Part 2-1 of GB(T) 7000. The following parts of GB(T) 7000 have been published:

- Luminaires -- Part 1: General requirements and tests (GB/T 7000.1-2023);
- Luminaires -- Part 2-1: Particular requirements -- Fixed general purpose luminaires (GB/T 7000.201-2023);
- Luminaires -- Part 2-2: Particular requirements -- Recessed luminaires (GB/T 7000.202-2023);
- Luminaires -- Part 2-3: Particular requirements -- Luminaires for road and street

lighting (GB 7000.203-2013);

- Luminaires -- Part 2-4: Particular requirements -- Portable general purpose

luminaires (GB/T 7000.204-2023);

- Luminaires -- Part 2-5: Particular requirements -- Floodlights (GB/T 7000.205-2023);

- Luminaires -- Part 2-6: Particular requirements -- Luminaires with built-in transformers for filaments luminaires (GB 7000.6-2008);

- Luminaires -- Part 2-8: Particular requirements -- Handlamps (GB/T 7000.208-2023);

- Safety requirements for photo and film luminaires (non-professional) (GB 7000.19-2005);

- Luminaires -- Part 2-10: Particular requirements -- Portable luminaires for children (GB 7000.4-2007);

- Luminaires -- Part 2-11: Particular requirements -- Aquarium luminaires (GB/T 7000.211-2023);

- Luminaires -- Part 2-12: Particular requirements -- Mains socket-outlet mounted nightlights (GB/T 7000.212-2023);

- Luminaires -- Part 2-13: Particular requirements -- Ground recessed luminaires (GB/T 7000.213-2023);

- Luminaires -- Part 2-14: Particular requirements -- Luminaires for cold cathode

Luminaires - Part 2-1: Particular requirements - Fixed

general purpose luminaires

1 Scope

This document specifies the requirements for fixed general purpose luminaires.

This document applies to fixed general purpose luminaires with a power supply voltage not exceeding 1000 V and using electric light sources.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 7000.1, Luminaires -- Part 1: General requirements and tests (GB/T 7000.1-2023, IEC 60598-1:2020, MOD)

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in Part 11 apply.

4 General test requirements

The provisions of Part 1, Chapter 0 apply. The tests specified in the relevant chapters of Part 1 shall be carried out in the sequence specified in this document.

NOTE: A list of modified sub-clauses for more stringent or critical requirements requiring retesting is given in Annex A.

5 Classification of luminaires

The provisions of Chapter 2 of Part 1 shall apply.

6 Marks

The provisions of Chapter 3 of Part 1 shall apply.

7 Structure

The provisions of Chapter 4 of Part 1 shall apply.

8 Creepage distances and clearances

The provisions of Chapter 11 of Part 1 apply.

9 Grounding regulations

The provisions of Chapter 7 of Part 1 apply.

10 Terminals

The provisions of Chapters 14 and 15 of Part 1 apply.

11 External wiring and internal wiring

The provisions of Chapter 5 of Part 1 apply.

12 Protection against electric shock

The provisions of Chapter 8 of Part 1 apply.

13 Durability test and thermal test

The provisions of Chapter 12 of Part 1 shall apply.

Luminaires with an IP classification number greater than IP20 shall be subject to the relevant tests of 12.4, 12.5, 12.6 and 12.7 in Part 1 after the test in 9.2 and before the test in 9.3 of Part 1 in Chapter 14.

14 Dustproof, solid foreign matter proof and waterproof

The provisions of Chapter 9 of Part 1 shall apply.

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