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

GB 43471-2023

Light sources - Safety requirements

光源 安全要求

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting: Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents: This document is proposed and administered by the Ministry of Industry and Information Technology of the People's Republic of China: Light source safety requirements

1 Scope

GB 43471-2023 is the Chinese national standard on light sources - safety requirements, in the field of electrical engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 28 December 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2026. Classification: ICS 29.140.99, CCS K71. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the safety requirements for light sources, including general requirements, markings, electrical safety, temperature-related requirements, mechanical safety, abnormal conditions status, fault state and end-of-life safety, moisture-proof and dust-proof, photobiological safety and other requirements, and have a direct impact on the protection of personal health and the safety of life and property: For other technical requirements of the relationship, the corresponding verification methods are described: This document applies to light source products:

Note: "Light source" in this document refers specifically to "electric light source", and products such as lamps, LED modules, and OLED panels are all light sources:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document: GB/T 2900:

65 Electrical terminology lighting GB/T 7000:

1 Luminaires Part 1: General requirements and tests GB/T 14196:

1 Safety specifications for incandescent lamps Part 1: Tungsten filament lamps for general lighting in households and similar occasions GB/T 14196:

2 Safety specifications for incandescent lamps Part 2: Tungsten halogen lamps for general lighting in households and similar occasions GB/T 14196:

3 Safety specifications for incandescent lamps Part 3: Tungsten halogen lamps (for non-motor vehicles)

GB/T 16843 Safety specifications for single-ended fluorescent lamps

GB/T 16844 Safety specifications for self-ballasted fluorescent lamps for general lighting

GB/T 18774 Safety specifications for double-ended fluorescent lamps

GB/T 19258 (all parts) Ultraviolet radiation sources for sterilization

GB/T 19652 Safety regulations for discharge lamps (except fluorescent lamps)

GB 21554 Safety requirements for self-ballasted electrodeless fluorescent lamps for general lighting

GB/T 23140 Infrared light bulb

GB/T 24819 Safety Specifications for LED Modules for General Lighting