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**Specification of categories of light sources for power-driven
vehicles**

机动车用光源的类型要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Requirements for the types of light sources used in motor vehicles

1 Scope

This document specifies the requirements for the types of light sources used in motor vehicles and provides a data sheet on the types of light sources used in motor vehicles.

The dimensions, optoelectronic performance parameters and technical requirements are specified.

This document applies to filament light sources, gas discharge lamps, and other types of road lighting and light signal devices used in M, N, L, and O motor vehicles.

Light source and standardized LED light source (referred to as "LED light source").

2 Normative references

GB 4785

GB/T 26178-2010

GB/T 26184-2010

3 Terms and definitions

The terms and definitions defined in GB 4785 and the following apply to this document.

3.1 light source

One or more elements emitting visible radiation, having a lamp cap for mechanical and electrical connection, which may be equipped with one or more components for controlling Parts of an element that emits visible radiation.

3.2 Filament light source

A light source in which the only components that emit light when powered are one or more filaments.

3.3 Gas-discharge light source gas-discharge light source

A light source in which the only element that emits light when energized is a discharge arc producing electroluminescence.

3.4 LED light source

A light source in which the only element that emits light when an electric current is applied is one or more solid-state junctions that produce electroluminescence, and may have one or more Components for fluorescence conversion.

Note. LED light source is also called "light emitting diode light source".

3.5

An LED light source type having a paired filament light source type, equipped with a lamp holder positioning key structure different from that of the corresponding filament light source type