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Rare-earth phosphor film for LED/LD

LED/LD用稀土荧光片

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Foreword

This document is in accordance with GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents". Drafting is scheduled.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Rare Earth Standardization Technical Committee (SAC/TC229).

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Rare earth phosphors for LEDs/LDs

1 Scope

This document specifies the grades and designation methods, technical requirements, inspection rules, packaging, and marking of rare earth fluorescent sheets for LEDs/LDs.

The transportation, storage, and accompanying documentation describe the corresponding test methods.

This document applies to rare-earth phosphor sheets prepared by heat treatment, primarily used for preparing white light or specific light excited by blue LED/LD chips.

Color LED/LD light-emitting devices.

2 Normative references

GB/T 5838.1

GB/T 8170

GB/T 23595.3

GB/T 23595.4

GB/T 23595.7

GB/T 23595.8

GB/T 24982

GB/T 32642

GB/T 36356

GB/T 39492

3 Terms and Definitions

The terms and definitions defined in GB/T 5838.1 and GB/T 24982, as well as the following terms and definitions, apply to this document.

3.1 rare-earth phosphor film

Fluorescent blocks are obtained by heat treatment of rare earth phosphors or rare earth phosphors and inorganic non-metallic powder materials, followed by cutting, grinding or polishing.

Sheet-shaped products obtained through processing steps such as light cutting and scribing.

3.2 hole

Pores or pits on the surface of rare earth fluorescent sheets.

3.3 chipping

Damage exists at the edge of the rare earth fluorescent sheet.

3.4 crack

Narrow slit defects on the surface of rare earth fluorescent sheets.

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