SLOVENSKI STANDARD
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Značilnosti LED-svetlobnega vira - 1. del: Preglednice (IEC 63356-1:2022)

LED light source characteristics - Part 1: Data sheets (IEC 63356-1:2022)

Eigenschaften von LED-Lichtquellen - Teil 1: Datenblätter (IEC 63356-1:2022)

Caractéristiques de source lumineuse à LED - Partie 1: Feuilles de caractéristiques (IEC 63356-1:2022)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 34A/2297/FDIS, future edition 1 of IEC 63356-1, prepared by SC 34A "Electric light sources" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63356-1:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-08-22
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Endorsement notice

The text of the International Standard IEC 63356-1:2022 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 62931:2017 NOTE Harmonized as EN 62931:2017 (not modified)

IEC 63356-2 NOTE Harmonized as EN IEC 63356-2

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LED light source characteristics – Part 1: Data sheets

Caractéristiques de source lumineuse à LED – Partie 1: Feuilles de caractéristiques

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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IEC 63356-1 has been prepared by subcommittee 34A: Electric light sources, of IEC technical committee 34: Lighting. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
34A/2297/FDIS	34A/2312/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63356 series, published under the general title *LED light source characteristics*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

The IEC 63356 series (LED light source characteristics) is split into two parts:

- Part 1: Data sheets

  The scope of Part 1 covers data sheets that are comprehensive specifications for unique LED light sources (LED lamp or LED module). These are full specifications for products including, where necessary, information on interchangeability aspects, for example mechanical, electrical, optical.

  Each data sheet in Part 1 relates to an individual type of LED lamp or LED module.

- Part 2: Design parameters and values

  The scope of Part 2 covers design parameters and values that are used in the design of an LED light source (LED lamp or LED module) or a related component. Part 2 does not provide full product specifications but includes important interface aspects (e.g. mechanical, electrical, optical) that should be taken account of in the design of LED light sources and related components.

LED LIGHT SOURCE CHARACTERISTICS –

Part 1: Data sheets

1 Scope

This part of IEC 63356 specifies data sheets of LED lamps and LED modules with a series of parameters per data sheet for a specific LED light source that enables interchangeability between products from different LED light source manufacturers.

Compliance criteria relating to data sheet parameters in this document are covered by IEC 63220[1] for safety, or IEC 63221[2] for performance.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at https://www.electropedia.org
- ISO Online browsing platform: available at https://www.iso.org/obp

4 Overview and common information

4.1 General

Unless otherwise specified, mechanical dimensions refer to a temperature of (25 ± 5) °C.

4.2 Numbering system

Data sheets are numbered so that:

– the first part represents the number of the publication "63356-1", followed by the letters "IEC";
– the second three-digit number represents the data sheet group;
– the third four-digit number represents the data sheet number;
– the fourth single-digit number represents the data sheet edition.

NOTE In cases where a data sheet comprises more than one page, all pages of the specific data sheet are issued with the same updated edition number.

1 Under consideration.

2 Under consideration.

Data sheet numbers are grouped as follows:

– single-capped LED lamp data sheets:
  - non-integrated 100-xxxx;
  - semi-integrated 110-xxxx;
  - integrated 120-xxxx;
– double-capped LED lamp data sheets:
  - non-integrated 200-xxxx;
  - semi-integrated 210-xxxx;
  - integrated 220-xxxx;
– LED module data sheets:
  - non-integrated 300-xxxx;
  - semi-integrated 310-xxxx;
  - integrated 320-xxxx.

EXAMPLE 63356-1-IEC-110-0001-1: Single-capped LED lamp, semi-integrated, number 0001, version 1.

4.3 List of data sheets

4.3.1 List of single-capped LED lamp data sheets

Void.