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LED light source characteristics - Part 1: Data sheets

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

LED light source characteristics - Part 1: Data sheets (IEC 63356-1:2023)

Caractéristiques de source lumineuse à LED - Partie 1:
Feuilles de caractéristiques
(IEC 63356-1:2023)

Eigenschaften von LED-Lichtquellen - Teil 1: Datenblätter
(IEC 63356-1:2023)

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Comité Européen de Normalisation Electrotechnique
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European foreword

The text of document 34A/2363/FDIS, future 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 63356-1:2023.

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) 2024-07-24
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IEC 60061-1 NOTE Approved as EN 60061-1

IEC 60061-2 NOTE Approved as EN 60061-2

IEC 63356-2 NOTE Approved as EN IEC 63356-2

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**LED light source characteristics –
Part 1: Data sheets**

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



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**LED light source characteristics –
Part 1: Data sheets**

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

INTERNATIONAL
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LED LIGHT SOURCE CHARACTERISTICS –

Part 1: Data sheets

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.

This second edition cancels and replaces the first edition published in 2022. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) addition of datasheets for GH36d capped LED lamps;
- b) addition of datasheets for GJ6.6t and GJ6.6d-1 capped LED lamps;
- c) addition of datasheets for GR6d capped LED lamps.

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

Draft	Report on voting
34A/2363/FDIS	34A/2372/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

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INTRODUCTION

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

- IEC 63356-1: Data sheets

The scope of IEC 63356-1 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 IEC 63356-1 relates to an individual type of LED lamp or LED module.

- IEC 63356-2: Design parameters and values

The scope of IEC 63356-2 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. IEC 63356-2 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.

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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 63220¹ for safety, or IEC 63221² 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

Dimensions are specified at a temperature of (25 ± 5) °C, unless otherwise specified

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 preparation. Stage at the time of publication IEC CDV 63220:2023.

² Under preparation. Stage at the time of publication IEC CDV 63221:2023.