SLOVENSKI STANDARD
oSIST prEN IEC 63356-1:2025

01-julij-2025

Značilnosti LED-svetlobnega vira - 1. del: Preglednice

LED light source characteristics - Part 1: Data sheets

Eigenschaften von LED-Lichtquellen - Teil 1: Datenblätter

Caractéristiques des sources lumineuses à LED - Partie 1: Feuilles de caractéristiques

Ta slovenski standard je istoveten z: **prEN IEC 63356-1:2025**

ICS:

29.140.99	Drugi standardi v zvezi z žarnicami	Other standards related to lamps

oSIST prEN IEC 63356-1:2025 **en**

34A/2444/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 63356-1 ED3**	
DATE OF CIRCULATION: **2025-05-09**	CLOSING DATE FOR VOTING: **2025-08-01**
SUPERSEDES DOCUMENTS: **34A/2432/CD, 34A/2443/CC**	

IEC SC 34A : ELECTRIC LIGHT SOURCES	
SECRETARIAT: United Kingdom	SECRETARY: Mr Petar Luzajic
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 34,SC 34B,SC 34C,SC 34D	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING **Attention IEC-CENELEC parallel voting** The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

This document is still under study and subject to change. It should not be used for reference purposes.

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TITLE:

LED light source characteristics - Part 1: Data sheets

PROPOSED STABILITY DATE: 2028

NOTE FROM TC/SC OFFICERS:

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.

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.

NOTE Compliance criteria relating to data sheet parameters in this document are covered by IEC 63554[1] or IEC 62031 for safety, and IEC 63555[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

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 version.

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 version number.

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;

[1] Under preparation. Stage at the time of publication IEC CDV 63554:2024.

[2] Under preparation. Stage at the time of publication IEC CDV 63555:2024.

- 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

Table 1, Table 2 and Table 3 provide a summary of data sheets for non-integrated, semi-integrated and integrated single-capped LED lamps respectively.

Table 1 – List of data sheets for non-integrated single-capped LED lamps

Sheet no. 63356-1-IEC-1xx-xxxx	Shape	Rated diameter mm	Rated current A DC	Power range W	Cap
100-0001-1	round	50	0,25	5,0 to 12,5	GH36d-1
100-0002-1	round	50	0,35	7,0 to 17,5	GH36d-2
100-0003-1	round	50	0,5	10,0 to 25,0	GH36d-3
100-0004-1	round	50	0,7	14,0 to 35,0	GH36d-4
100-0005-1	round	50	0,9	18,0 to 45,0	GH36d-5
100-0006-1	round	50	1,1	22,0 to 55,0	GH36d-6

Table 2 – List of data sheets for semi-integrated single-capped LED lamps

Void

Table 3 – List of data sheets for integrated single-capped LED lamps

Void

4.3.2 List of double-capped LED lamp data sheets

Table 4, Table 5 and Table 6 provide a summary of data sheets for non-integrated, semi-integrated and integrated double-capped LED lamps respectively.

Table 4 – List of data sheets for non-integrated double-capped LED lamps

Sheet no. 63356-1-IEC-2xx-xxxx	Shape	Nominal length mm	Rated diameter mm	Rated current A DC	Power range W	Cap
200-0001-1	linear	600	25,5	0,35	7,9 to 16,6	GX16t-5
200-0002-1	linear	600	32,5	0,35	7,9 to 16,6	GX16t-5
200-0003-1	linear	900	25,5	0,35	11,0 to 24,8	GX16t-5
200-0004-1	linear	900	32,5	0,35	11,0 to 24,8	GX16t-5
200-0005-1	linear	1 200	25,5	0,35	14,3 to 33,3	GX16t-5
200-0006-1	linear	1 200	32,5	0,35	14,3 to 33,3	GX16t-5
200-0007-1	linear	1 500	25,5	0,35	14,3 to 42,0	GX16t-5
200-0008-1	linear	1 500	32,5	0,35	14,3 to 42,0	GX16t-5
200-0009-1	linear	2 400	25,5	0,35	28,7 to 66,5	GX16t-5
200-0010-1	linear	2 400	32,5	0,35	28,7 to 66,5	GX16t-5
200-0011-1	linear	600		0,35	7,0 to 17,5	GR6d-1

Sheet no. 63356-1-IEC-2xx-xxxx	Shape	Nominal length mm	Rated diameter mm	Rated current A DC	Power range W	Cap
200-0012-1	linear	900		0,50	10,0 to 25,0	GR6d-2
200-0013-1	linear	1200		0,70	14,0 to 35,0	GR6d-3
200-0014-1	linear	1 200		1,05	21,0 to 52,5	GR6d-4
200-0015-1	linear	1 500		1,05	21,0 to 52,5	GR6d-4
200-0016-1	linear	1 500		1,40	28,0 to 70,0	GR6d-5
200-0017[a]	Reserved					GR6d-6
200-0018[a]	Reserved					GR6d-7
200-0019[a]	Reserved					GR6d-8
200-0020[a]	Reserved					GR6d-9
200-0021-1	linear	550	17,0	0,21	8,0 – 12,6	GJ6.6d-2-1
200-0022-1	linear	550	17,0	0,27	8,0 – 16,2	GJ6.6d-2-2
200-0023-1	linear	550	17,0	0,35	8,0 – 18,0	GJ6.6d-2-3
200-0024-1	linear	550	17,0	0,45	8,0 – 18,0	GJ6.6d-2-4
200-0025-1	linear	550	17,0	0,53	8,0 – 18,0	GJ6.6d-2-5
200-0026-1	linear	600	26,7	0,21	7,0 – 12,0	GJ6.6d-2-1
200-0027-1	linear	600	26,7	0,27	7,0 – 12,0	GJ6.6d-2-2
200-0028-1	linear	600	26,7	0,35	9,0 – 18,0	GJ6.6d-2-3
200-0029-1	linear	600	26,7	0,45	7,0 – 12,0	GJ6.6d-2-4
200-0030-1	linear	850	17,0	0,21	8,0 – 12,6	GJ6.6d-2-1
200-0031-1	linear	850	17,0	0,27	8,0 – 16,2	GJ6.6d-2-2
200-0032-1	linear	850	17,0	0,35	8,0 – 21,0	GJ6.6d-2-3
200-0033-1	linear	850	17,0	0,45	8,0 – 25,0	GJ6.6d-2-4
200-0034-1	linear	850	17,0	0,53	8,0 – 25,0	GJ6.6d-2-5
200-0035-1	linear	850	17,0	0,62	8,0 – 25,0	GJ6.6d-2-6
200-0036-1	linear	850	17,0	0,70	8,0 – 25,0	GJ6.6d-2-7
200-0037-1	linear	900	26,7	0,21	8,0 – 12,6	GJ6.6d-2-1
200-0038-1	linear	900	26,7	0,27	8,0 – 16,2	GJ6.6d-2-2
200-0039-1	linear	900	26,7	0,35	8,0 – 16,5	GJ6.6d-2-3
200-0040-1	linear	900	26,7	0,45	8,0 – 16,5	GJ6.6d-2-4
200-0041-1	linear	900	26,7	0,53	8,0 – 16,5	GJ6.6d-2-5
200-0042-1	linear	1150	17,0	0,21	12,0 – 12,6	GJ6.6d-2-1
200-0043-1	linear	1150	17,0	0,27	12,0 – 16,2	GJ6.6d-2-2
200-0044-1	linear	1150	17,0	0,35	12,0 – 21,0	GJ6.6d-2-3
200-0045-1	linear	1150	17,0	0,45	12,0 – 27,0	GJ6.6d-2-4
200-0046-1	linear	1150	17,0	0,53	12,0 – 31,8	GJ6.6d-2-5
200-0047-1	linear	1150	17,0	0,62	12,0 – 36,0	GJ6.6d-2-6
200-0048-1	linear	1150	17,0	0,70	12,0 – 36,0	GJ6.6d-2-7
200-0049-1	linear	1150	17,0	1,06	12,0 – 36,0	GJ6.6d-2-8
200-0050-1	linear	1200	26,7	0,21	8,0 – 12,6	GJ6.6d-2-1
200-0051-1	linear	1200	26,7	0,27	8,0 – 16,2	GJ6.6d-2-2
200-0052-1	linear	1200	26,7	0,35	8,0 – 21,0	GJ6.6d-2-3
200-0053-1	linear	1200	26,7	0,45	8,0 – 25,0	GJ6.6d-2-4