



SLOVENSKI STANDARD
SIST EN IEC 63013:2020/oprA2:2023
01-september-2023

Ohišja svetlečih diod (LED) - Dolgoročni načrt vzdrževanja svetlobnega in sevalnega toka - Dopolnilo A2

Amendment 2 - LED packages - Long-term luminous, radiant and photon flux maintenance projection

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Amendement 2 - LED encapsulées - Projection à long terme concernant la conservation du flux lumineux et du flux énergétique

<https://standards.iteh.ai/catalog/standards/sist/952531d1-0d58-4b65-a510-1c1e1e1e1e1e/sist-en-iec-63013-2020/oprA2-2023>

Ta slovenski standard je istoveten z: EN IEC 63013:2019/prA2:2023

ICS:

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| 29.140.99 | Drugi standardi v zvezi z žarnicami | Other standards related to lamps |
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SIST EN IEC 63013:2020/oprA2:2023 en



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| PROJECT NUMBER: IEC 63013/AMD2 ED1 | |
| DATE OF CIRCULATION: 2023-06-23 | CLOSING DATE FOR VOTING: 2023-09-15 |
| SUPERSEDES DOCUMENTS: 34A/2320/CD, 34A/2342A/CC | |

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|--|---|
| IEC SC 34A : ELECTRIC LIGHT SOURCES | |
| SECRETARIAT: United Kingdom | SECRETARY: Mr Petar Luzajic |
| OF INTEREST TO THE FOLLOWING COMMITTEES: SC 47E | PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary. |
| FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY | |
| <input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING | <input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING |
| <p>Attention IEC-CENELEC parallel voting</p> <p>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.</p> <p>https://standards.iteh.ai/catalog/standards/sist/952531d1-0d58-4b65-a510-63013-2020-opra2-2023</p> <p>The CENELEC members are invited to vote through the CENELEC online voting system.</p> | |

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

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Amendment 2 - LED packages - Long-term luminous, radiant and photon flux maintenance projection

PROPOSED STABILITY DATE: 2027

NOTE FROM TC/SC OFFICERS:

1 **Introduction (not part of the proposal)**

2 **Proposal for an inclusion of LED packages for germicidal lighting in the scope**

3 It is considered worthwhile to amend IEC 63013 to make the standard applicable also for LED
4 packages for germicidal lighting.

5 **Proposal to update the dated normative references**

6 The IES and the ANSI have replaced IES TM-21-19 with IES TM-21-21. US experts in WG 4
7 have advised that the reference should be made to ANSI/IES TM-21-21.

8 It is considered worthwhile to update the references made in IEC 63013 accordingly.

9

10 **Proposal**

11 **Title**

12 *Replace the title with:*

13 LED packages — Long-term luminous, radiant and photon flux maintenance
14 projection

15 **1 Scope**

16 *Delete the existing first paragraph.*

17 *Replace the existing second paragraph with the following new paragraph and note (changed
18 text underlined):*

19 This document specifies procedures and conditions for measuring the luminous
20 flux maintenance of LED packages, except LED packages for road vehicles. It
21 also provides the procedures and conditions (criteria) of projecting the long-term
22 luminous flux maintenance based on limited luminous flux maintenance test data
23 collected. Within the context of this document, wherever luminous flux
24 measurement data is specified, radiant flux measurement data and photon flux
25 measurement data can also be used.

26 NOTE Applicability of this document are for example for LED packages for
27 illumination purposes, LED packages for horticultural purposes or LED packages
28 for germicidal disinfection purposes

29 *Replace the existing fourth paragraph with the following new paragraph (changed text
30 underlined):*

31 The long-term projection is based on the exponential-fit-function procedure of
32 ANSI/IES TM-21-21) and gives an alternative border function procedure in the
33 case where the exponential-fit-function of ANSI/IES TM-21-21 is not applicable.

34 **2 Normative references**

35 *Replace the existing second entry with the following new entry and, consequentially, remove
36 the footnote:*