SLOVENSKI STANDARD
oSIST prEN IEC 60570:2026

01-junij-2026

Električni tračni napajalni sistemi za svetilke

Electrical supply track systems for luminaires

Elektrische Stromschienensysteme für Leuchten

Systèmes d'alimentation électrique par rail pour luminaires

Ta slovenski standard je istoveten z: **prEN IEC 60570:2026**

ICS:

29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems

oSIST prEN IEC 60570:2026 **en,fr,de**

34D/1811/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 60570 ED5**	
DATE OF CIRCULATION: **2026-04-03**	CLOSING DATE FOR VOTING: **2026-06-26**
SUPERSEDES DOCUMENTS: **34D/1747/CD, 34D/1760A/CC**	

IEC SC 34D : LUMINAIRES	
SECRETARIAT: United Kingdom	SECRETARY: Ms Shanti Conn
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED: Safety	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING	☐ NOT 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.

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:

Electrical supply track systems for luminaires

PROPOSED STABILITY DATE: 2030

NOTE FROM TC/SC OFFICERS:

Project Leader: Fabrizio Tironi

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ELECTRICAL SUPPLY TRACK SYSTEMS FOR LUMINAIRES

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IEC 60570 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lighting. It is an International Standard.

This fifth edition cancels and replaces the fourth edition published in 2003, Amendment 1:2017 and Amendment 2:2019. This edition constitutes a technical revision.

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

a) The clause numbers have been aligned with those of IEC 60598-1:2024;

b) .....

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

Draft	Report on voting
XX/XX/FDIS	XX/XX/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.

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, or
- revised.

ELECTRICAL SUPPLY TRACK SYSTEMS FOR LUMINAIRES

1 Scope

This document specifies safety requirements for the following track systems with two or more poles for the connection of luminaires to the electrical supply consisting of, either

a) a system with provision for protective earthing and with a rated voltage not exceeding 440 V between poles and where the rated current does not exceed 16 A per conductor, for use with class I and class II luminaires, or

b) a system without provision for protective earthing where protection against electric shock is based on a SELV supply and where the rated current does not exceed 25 A per conductor, for use with class III luminaires, or

c) a combination of a) and b) for connecting both class I and class II luminaires and class III luminaires simultaneously but in different sector openings."

The track systems can also provide for the mechanical support of the luminaires.

This document applies to track systems designed for ordinary interior use for mounting on, or flush with, or suspended from walls and ceilings. These track systems are not intended for locations where special conditions prevail as in ships, vehicles and the like and in hazardous locations, for example, where explosions are liable to occur.

This document does not cover operational or performance compatibility between different track systems. Protection against unsafe compatibility between Class I and Class III circuits is covered by this document.

In addition to supply circuits, the track system can be provided with auxiliary circuits such as those for the purpose of a control or audio signal.

NOTE At present, on the market, the following types of control systems are available:

– FELV control signal, basic insulated from mains supply (e.g. Digital Addressable Lighting Interface and 1–10 V DC controls);

– SELV or PELV control signal (e.g. DMX);

– control signal, not insulated from mains supply (e.g. push button control, phase cut, step dim).

Track systems can also be provided with conductors specifically identified for powering emergency lighting luminaires.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60417 *Graphical symbols for use on equipment available at http://www.graphical-symbols.info/equipment*

IEC 60598-1:2024, Luminaires – Part 1: General requirements and tests

IEC 60598-2-22:2021, *Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting*