



SLOVENSKI STANDARD
SIST EN 60570:2004/A2:2020

01-maj-2020

Električni tračni napajalni sistemi za svetilke - Dopolnilo A2 (IEC 60570:2003/A2:2019)

Electrical supply track systems for luminaires (IEC 60570:2003/A2:2019)

Elektrische Stromschienensysteme für Leuchten (IEC 60570:2003/A2:2019)

Systèmes d'alimentation électrique par rail pour luminaires (IEC 60570:2003/A2:2019)

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Ta slovenski standard je istoveten z: EN 60570:2003/A2:2020

[SIST EN 60570:2004/A2:2020](https://standards.iteh.ai/catalog/standards/sist/1508e487-6bb3-4d67-82d1-df46a9fab71c/sist-en-60570-2004-a2-2020)

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ICS:

29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems
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SIST EN 60570:2004/A2:2020

en

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EUROPEAN STANDARD

EN 60570:2003/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2020

ICS 29.120.20; 29.140.40

English Version

Electrical supply track systems for luminaires (IEC 60570:2003/A2:2019)

Systèmes d'alimentation électrique par rail pour luminaires
(IEC 60570:2003/A2:2019)

Elektrische Stromschienensysteme für Leuchten
(IEC 60570:2003/A2:2019)

This amendment A2 modifies the European Standard EN 60570:2003; it was approved by CENELEC on 2020-01-15. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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

EN 60570:2003/A2:2020 (E)**European foreword**

The text of document 34D/1502/FDIS, future IEC 60570/A2, prepared by SC 34D "Luminaires" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60570:2003/A2:2020.

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) 2020-10-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-01-15

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s), see informative Annex ZZ, included in EN 60570:2003/A1:2018.

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Endorsement notice

The text of the International Standard IEC 60570:2003/A2:2019 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<i>Replacement:</i>				
IEC 60598-1 (mod)	2014	Luminaires - Part 1: General requirements and tests	EN 60598-1	2015
+ A1	2017		+ A1	2018
<i>Add the following reference:</i>				
IEC 60598-2-22	2014	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	EN 60598-2-22	2014
-	-		+ AC	2015
+ A1	2017		+ A1	2020
-	-		EN 60598-2-22:2014 /AC:2016-09	

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IEC 60570

Edition 4.0 2019-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

Electrical supply track systems for luminaires

Systèmes d'alimentation électrique par rail pour luminaires

[SIST EN 60570:2004/A2:2020](https://standards.iteh.ai/catalog/standards/sist/1508e487-6bb3-4d67-82d1-df46a9fab71c/sist-en-60570-2004-a2-2020)

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ICS 29.120.20; 29.140.40

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FOREWORD

This amendment has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

The text of this amendment is based on the following documents:

FDIS	Report on voting
34D/1502/FDIS	34D/1517/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

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1 Scope

Replace the second dashed list item, modified by Amendment 1, with the following new dashed item:

- a SELV system without provision for protective earthing (class III) and a rated current not exceeding 25 A per conductor, or

At the end of the scope, add the following new text:

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

The track system can be provided with auxiliary circuits for the purpose of a control or audio signal other than supply.

NOTE 1 At present, the following types of control systems are available on the market:

- control signal, with basic insulation to LV supply (e.g. digital addressable lighting interface, 1 V to 10 V DC signal);
- control signal, SELV/PELV insulated to LV supply (e.g. DMX);
- control signal, not insulated to LV supply (e.g. push button control/phase cut/step dim).

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

IEC 60570:2003/AMD2:2019
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NOTE 2 Requirements for PELV are under consideration, pending modification in IEC 60598-1.

2 Normative references

Replace the reference to IEC 60598-1:1999 with the following new reference and note:

IEC 60598-1:2014, *Luminaires – Part 1: General requirements and tests*
IEC 60598-1:2014/AMD1:2017

NOTE The 9th edition of IEC 60598-1 is under preparation. Stage at the time of publication IEC PRVC 60598-1:2019. This 9th edition provides a cross link between IEC 60598-1 and IEC 60570 for track mounted luminaires.

Add the following new reference:

IEC 60598-2-22:2014, *Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting*
IEC 60598-2-22:2014/AMD1:2017

3 Terms and definitions

3.1

luminaire track system

Add the following notes to entry:

Note 1 to entry: The track system may be provided with auxiliary circuits for the purpose of a control or audio signal other than supply; the track system may be used to supply luminaires where the control signals are injected via supply conductors or a circuit connected to the supply via separated conductors (e.g. powerline).

Note 2 to entry: The track system may be provided with circuits identified to ensure battery recharge (for self-contained emergency luminaires).

3.10

class I track

Add the following notes to entry:

Note 1 to entry: The track can be provided with auxiliary circuits for control or audio signals. These auxiliary circuits can use conductors originally designed for mains supply.

Note 2 to entry: The track system can be provided with circuits identified to ensure battery recharge (for self-contained emergency luminaires).

3.11

class III track

Replace the existing note with the following new note to entry:

Note 1 to entry: The track can be provided with auxiliary circuits for a SELV control or audio signals. These auxiliary circuits can use separate auxiliary conductors or conductors originally designed for a SELV supply.

5 General test requirements

5.3

In the second paragraph, replace "the following items" with "items a) to i) as follows." and replace the colon ":" after "class III sectors:" with a full stop. then add, before list item a), the following new paragraph: