

**Valgustiridade elektritoitesüsteemid. Osa 2:
Segatoitesüsteemid. Jagu 1: Klassid I ja III**

**Electrical supply track systems for luminaires - Part 2:
Mixed supply systems - Section 1: Classes I and III**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60570-2-1:2001 sisaldab Euroopa standardi EN 60570-2-1:1994+A1:1996 ingliskeelset teksti.	This Estonian standard EVS-EN 60570-2-1:2001 consists of the English text of the European standard EN 60570-2-1:1994+A1:1996.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 10.11.1994.	Date of Availability of the European standard is 10.11.1994.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 29.060.10

Võtmesõnad: construction characteristics, definition, earthing, electrical endurance test, electrical insulation, electrical supply, lighting equipment, luminaire, marking, protection against electric shock, short-circuit protection, track,

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Aru 10, 10317 Tallinn, Eesti; www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:
Aru 10, 10317 Tallinn, Estonia; www.evs.ee; phone 605 5050; e-mail info@evs.ee

ICS 29.060.10

Descriptors: Lighting equipment, luminaire, electrical supply, track, definition, construction characteristics, electrical insulation, earthing, electrical endurance test, protection against electric shocks, short-circuit protection, marking

English version

Electrical supply track systems for luminaires
Part 2: Mixed supply systems
Section 1: Classes I and III
(IEC 570-2-1 : 1994)

Systèmes d'alimentation électrique par rail
pour luminaires
Partie 2: Systèmes d'alimentation mixte
Section 1: Classes I et III
(CEI 570-2-1 : 1994)

Elektrische Stromschienensysteme für
Leuchten
Teil 2: Gemischte Stromschienensysteme
Hauptabschnitt 1: Schutzklassen I und III
(IEC 570-2-1 : 1994)

This European Standard was approved by CENELEC on 1994-10-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat or to any CENELEC member.

This European Standard 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The text of document 34D(CO)255, as prepared by Subcommittee 34D, Luminaires, of IEC Technical Committee 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote in March 1994.

The reference document was approved by CENELEC as EN 60570-2-1 on 4 October 1994.

The following dates were fixed:

- latest date of publication
of an identical national
standard (dop) 1995-10-01
- latest date of withdrawal
of conflicting national
standards (dow) 1995-10-01

For products which have complied with the relevant national standard before 1995-10-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-10-01.

This standard is to be read in conjunction with EN 60570 : 1993.

Annexes designated 'normative' are part of the body of the standard. In this standard, annex ZA is normative.

CONTENTS

Clause	Page
1 General	4
1.1 Scope	4
1.2 Normative references	4
2 Definitions	4
3 Classification	5
4 General test requirements	5
5 Marking	5
6 General requirements	6
7 Construction	6
8 Creepage distances and clearances	7
9 Terminals	7
10 External and internal wiring	7
11 Thermal endurance and operating temperatures	7
12 Protection against electric shock	8
13 Resistance to humidity	8
14 Insulating resistance and electric strength	8
15 Provision of earthing	8
16 Resistance to heat, fire and tracking	8
Figure 1 – Luminaire track systems (definitionS)	9
Annex ZA (normative) Other international publications quoted in this standard with the references of the relevant European publications	10

ELECTRICAL SUPPLY TRACK SYSTEMS FOR LUMINAIRES –

Part 2: Mixed supply systems – Section 1: Classes I and III

1 General

1.1 Scope

This International Standard applies to mixed supply track systems for connecting both class I and class III luminaires simultaneously, but in different track openings to the electrical supply, with two or more poles with a maximum nominal voltage of 440 V between poles (live conductors), maximum nominal frequency of 60 Hz and a maximum nominal current per conductor of 16 A for a class I sector and 25 A for a class III sector.

It applies to track systems designed for ordinary interior use for mounting on, 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.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 570. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 570 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 598-1: 1992, *Luminaires – Part 1: General requirements and tests*

IEC 1032: 1990, *Test probes to verify protection by enclosures*

ISO 4046: 1978, *Paper, board, pulp and related terms – Vocabulary*

2 Definitions (see figure 1)

The definitions of clause 2 of IEC 570 apply together with the following definitions or additions:

2.1 Luminaire track system

Delete "page 24".