



BSI Standards Publication

Electrical supply track systems for luminaires (IEC 60570:2003, modified)

National foreword

This British Standard is the UK implementation of EN 60570:2003+A1:2018. It is identical to IEC 60570:2003, incorporating amendment 1:2017. It supersedes BS EN 60570:2003, which will be withdrawn on 18 May 2021.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment A1 is indicated by A1 A1.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags C C.

The UK participation in its preparation was entrusted to Technical Committee CPL/34/4, Luminaires.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
30 June 2018	Implementation of IEC amendment 1:2017 with CENELEC endorsement A1:2018

English Version

Electrical supply track systems for luminaires (IEC 60570:2003, modified)

Systèmes d'alimentation électrique par rail
pour luminaires (CEI 60570:2003, modifiée)

Elektrische Stromschienensysteme für
Leuchten (IEC 60570:2003, modifiziert)

This European Standard was approved by CENELEC on 2003-03-18. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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

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European Foreword

The text of document 34D/770/FDIS, future edition 4 of IEC 60570, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote. Together with existing common modifications in EN 60570:1996, it was approved by CENELEC as EN 60570 on 2003-03-18.

This European Standard supersedes EN 60570:1996 + A1:1998 + A2:2000 and EN 60570-2-1:1994 + A1:1996.

This standard is to be used in conjunction with EN 60598-1.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-03-01

Annexes designated "normative" are part of the body of the standard.

In this standard, [annex ZA](#) is normative.

[Annex ZA](#) has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60570:2003 was approved by CENELEC as a European Standard with agreed common modifications.

European foreword to amendment A1

The text of document 34D/1221/CDV, future edition 1 of IEC 60570:2003/A1:2017, prepared by IEC/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/A1:2018.

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) 2018-11-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-05-18

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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 see informative [Annex ZZ](#), which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 60570:2003/A1:2017 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60417-2	— ¹⁾	Graphical symbols for use on equipment Part 2: Symbol originals	EN 60417-2	— ¹⁾
IEC 60598-1 (mod)	1999	Luminaires Part 1: General requirements and tests	EN 60598-1 A11 A12	2000 2002 2002
IEC 61032	1997	Protection of persons and equipment by enclo- sures - Probes for verification	EN 61032	1998

¹⁾ Undated reference.

Annex ZZ (informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in [Table ZZ.1](#) confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1. General conditions		
a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;	6	
b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;	All, except Clauses 1 , 2 and 3	
c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.	See item 2 and 3 of this table	
2. Protection against hazards arising from the electrical equipment Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:		

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
a) persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	7 and 8 16 10 and 18 11 13	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	7 and 8 9 12 15	Products covered by this standard are considered passive with respect to EMF
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	7 and 8 15 9	
d) the insulation is suitable for foreseeable conditions.	14 15	
3. Protection against hazards which may be caused by external influences on the electrical equipment Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment:		
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	6 7 and 8	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	14 17	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	8 12	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

Contents

Page

FOREWORD	viii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	3
5 General test requirements	3
6 Marking	4
7 General requirements and ratings	5
8 Construction	5
8.8 Polarity	7
8.9 Mechanical/electrical endurance	7
8.10 Short-circuit protection	8
9 Creepage distances and clearances	9
10 Terminals	9
11 External and internal wiring	9
12 Thermal endurance and operating temperatures	9
13 Protection against electric shock	10
14 Resistance to humidity	11
15 Insulation resistance and electric strength	11
16 Provision for earthing	11
17 Resistance to heat, fire and tracking	12
17.1 Test for track	12
17.2 Test for track components	12
18 Terminals and connections for external wiring	13