Svietidlá Časť 2-1: Osobitné požiadavky Stacionárne svietidlá na všeobecné použitie STN EN IEC 60598-2-1

Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/21

Obsahuje: EN IEC 60598-2-1:2021, IEC 60598-2-1:2020

Oznámením tejto normy sa od 07.05.2024 ruší STN EN 60598-2-1 (36 0600) z decembra 2001 STN EN IEC 60598-2-1: 2021

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN IEC 60598-2-1

May 2021

ICS 29.140.40

Supersedes EN 60598-2-1:1989 and all of its amendments and corrigenda (if any)

English Version

Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires (IEC 60598-2-1:2020)

Luminaires - Partie 2-1: Exigences particulières -Luminaires fixes à usage général (IEC 60598-2-1:2020) Leuchten - Teil 2-1: Besondere Anforderungen - Ortsfeste Leuchten für allgemeine Zwecke (IEC 60598-2-1:2020)

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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

European foreword

The text of document 34D/1511/FDIS, future edition 2 of IEC 60598-2-1, prepared by SC 34D "Luminaires" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60598-2-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-11-07
 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-05-07 document have to be withdrawn

This document supersedes EN 60598-2-1:1989 and all of its amendments and corrigenda (if any).

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

Endorsement notice

The text of the International Standard IEC 60598-2-1:2020 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>					EN/HD	<u>Year</u>
IEC 60598-1	_	Luminaires requirements	- and	ı aıt	1:	General	EN 60598-1	2021

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;	1.6	
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	
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	

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
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:		
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;	1.7 1.8 1.9 1.10 1.11 1.12 1.15	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	1.7 1.8 1.13 1.15	
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	1.7 1.8	
d) the insulation is suitable for foreseeable conditions.	1.8 1.14 1.15	
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;	1.6 1.7	
b) is resistant to non- mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	1.14 1.16	

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	1.7 1.13 1.16	

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.



IEC 60598-2-1

Edition 2.0 2020-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Luminaires -

Part 2-1: Particular requirements – Fixed general purpose luminaires

Luminaires -

Partie 2-1: Exigences particulières – Luminaires fixes à usage général





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IEC 60598-2-1

Edition 2.0 2020-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Luminaires -

Part 2-1: Particular requirements – Fixed general purpose luminaires

Luminaires -

Partie 2-1: Exigences particulières - Luminaires fixes à usage général

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.140.40 ISBN 978-2-8322-7795-9

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES -

Part 2-1: Particular requirements – Fixed general purpose luminaires

FOREWORD

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International Standard IEC 60598-2-1 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This second edition cancels and replaces the first edition published in 1979 and Amendment 1:1987. This edition constitutes a technical revision.

This edition includes the following technical changes with respect to the previous edition (there are no major technical changes, see Annex A):

- a) the scope has been modified to be in line with Part 1 to include all electric light sources,
- b) references to Part 1 have been updated.

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

FDIS	Report on voting
34D/1511/FDIS	34D/1521/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60598 series, published under the general title *Luminaires* can be found on the IEC website.

This Part 2-1 is to be used in conjunction with the latest edition of IEC 60598-1 and its amendment(s). It was established on the basis of the eighth edition (2014) and Amendment 1 (2017) of that standard.

NOTE 1 When "Part 1" is mentioned in this document, it refers to IEC 60598-1.

NOTE 2 In this document, the following print type is used:

- compliance statements: in italic type

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

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LUMINAIRES -

Part 2-1: Particular requirements – Fixed general purpose luminaires

1.1 Scope

This part of IEC 60598 specifies requirements for fixed general purpose luminaires for use with electric light sources on supply voltages not exceeding 1 000 V.

1.2 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 60598-1, Luminaires – Part 1: General requirements and tests

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