



NSAI
Standards

Irish Standard
I.S. EN IEC 60598-2-17:2018

Luminaires - Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor)

I.S. EN IEC 60598-2-17:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 60598-2-17:2018 is the adopted Irish version of the European Document EN IEC 60598-2-17:2018, Luminaires - Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60598-2-17

March 2018

ICS 29.140.40; 97.200.10

Supersedes EN 60598-2-17:1989

English Version

**Luminaires - Part 2-17: Particular requirements - Luminaires for
stage lighting, television and film studios (outdoor and indoor)
(IEC 60598-2-17:2017)**

Luminaires - Partie 2-17: Exigences particulières -
Luminaires pour éclairage des scènes de théâtre, pour
prises de vues de télévision et de cinéma (à l'extérieur et à
l'intérieur)
(IEC 60598-2-17:2017)

Leuchten - Teil 2-17: Besondere Anforderungen - Leuchten
für Bühnenbeleuchtung, Fernseh- und Film-Studios (außen
und innen)
(IEC 60598-2-17:2017)

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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 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 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 IEC 60598-2-17:2018 (E)

European foreword

The text of document 34D/1275/FDIS, future edition 2 of IEC 60598-2-17, 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 IEC 60598-2-17:2018.

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) 2018-09-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-03-23

This document supersedes EN 60598-2-17:1989.

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 60598-2-17:2017 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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 When 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>
IEC 60598-1	2014	Luminaires - Part 1: General requirements and tests	EN 60598-1	2015
+ A1	2017		(mod) + A1	2018

EN IEC 60598-2-17:2018 (E)

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;	17.6	
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;	17.7 17.8 17.9 17.10 17.11 17.12 17.15	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	17.7 17.8 17.13 17.15	EMF is not covered
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	17.7 17.8 17.15	
d) the insulation is suitable for foreseeable conditions.	17.8 17.14 17.15	
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;	17.6 17.7	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	17.14 17.16	

EN IEC 60598-2-17:2018 (E)

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.	17.7 17.13 17.16	

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



IEC 60598-2-17

Edition 2.0 2017-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Luminaires –

Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor)

Luminaires –

Partie 2-17: Exigences particulières – Luminaires pour éclairage des scènes de théâtre, pour prises de vues de télévision et de cinéma (à l'extérieur et à l'intérieur)



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Edition 2.0 2017-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Luminaires –

Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES –

Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor)

FOREWORD

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International Standard IEC 60598-2-17 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 1984 and Amendment 2:1990. This edition constitutes a technical revision.

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

- a) extension of the applicable scope from light source to electric light source and replacement of "tungsten filament, tubular fluorescent and other discharge lamps" with "electric light source" in 17.1.
- b) consideration of the fact that there are many LED luminaires with non-replaceable light source, and light source without a glass bulb, or with low operation temperature: the applicable scope of relevant clauses therefore only applies to replaceable light source luminaires with a glass bulb lamp, or with high surface temperature.

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

FDIS	Report on voting
34D/1275/FDIS	34D/1284/RVD

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

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

This publication is to be read in conjunction with IEC 60598-1: *Luminaires – Part 1: General requirements and tests*. It was established on the basis of the eight edition (2014) of that standard.

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

NOTE In this standard, the following print type is used:

– *compliance statements: in italic type*

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

LUMINAIRES –

Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor)

17.1 Scope

This part of IEC 60598-2 specifies requirements for stage, television, film and photographic studio luminaires (including spot and floodlighting projectors) for use outdoors and indoors, with electric light sources on supply voltages not exceeding 1 000 V.

NOTE A hanger (stirrup) is a part of the luminaire. Supporting devices such as tripods, telescopic booms and suspensions are not parts of the luminaire. Where applicable, ballasts are built into or mounted separately from the luminaires.

17.2 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*

17.3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60598-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

17.4 General test requirements

The provisions of Section 0 of IEC 60598-1 apply. The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this document.

17.5 Classification of luminaires

Luminaires shall be classified in accordance with the provisions of Section 2 of IEC 60598-1.

17.6 Marking

The provisions of Section 3 of IEC 60598-1 apply, together with the requirements of 17.6.1 to 17.6.7.

17.6.1 Where the luminaire design imposes restrictions of use, the following information shall be marked on the luminaire:

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