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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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 Amendement 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.

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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*

The committee has decided that the contents of this 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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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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