

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



Fluorescent induction lamps – Safety specifications

Lampes à fluorescence à induction – Spécifications de sécurité



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FLUORESCENT INDUCTION LAMPS –
SAFETY SPECIFICATIONS**

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This consolidated version of IEC 62532 bears the edition number 1.1. It consists of the first edition (2011-01) [documents 34A/1422/FDIS and 34A/1446/RVD] and its amendment 1 (2016-01) [documents 34A/1871/FDIS and 34A/1883/RVD]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 62532 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

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

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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INTRODUCTION

Amendment 1 to this standard contains requirements for photobiology and information on water contact.

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FLUORESCENT INDUCTION LAMPS – SAFETY SPECIFICATIONS

1 Scope

This International Standard specifies the safety requirements for fluorescent induction lamps for general lighting purposes.

It also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with his test records on finished products. This method can also be applied for certification purposes.

Details of a batch test procedure, which can be used to make limited assessment of batches, are also given in this standard.

The schematic drawings of the systems are shown in Annex A.

NOTE Self-ballasted induction lamps (where the discharge vessel, the power coupler and the control gear are integrated in the same product) are excluded from the scope of this standard.

This standard covers photobiological safety according to IEC 62471 and IEC TR 62471-2. Blue light and infrared hazards are below the level which requires marking.

2 Normative references

The following referenced documents are indispensable for the application 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 60061, *Lamp caps and holders together with gauges for the control of interchangeability and safety*

IEC 60360:1998, *Standard method of measurement of lamp cap temperature rise*

IEC 60598-1:2008, *Luminaires – Part 1: General requirements and tests*

IEC 60901, *Single-capped fluorescent lamps. Performance specifications*

IEC 60695-2-10, *Fire Hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure*

IEC 60695-2-11, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products*

IEC 61347-1, *Lamp control gear – Part 1: General and safety requirements*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.