

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Lamp controlgear –
Part 2-14: Particular requirements for DC and/or AC supplied electronic
controlgear for fluorescent induction lamps**

**Appareillages de lampes –
Partie 2-14: Exigences particulières pour les appareillages électroniques
alimentés en courant continu et/ou alternatif pour les lampes fluorescentes à
induction**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LAMP CONTROLGEAR –

**Part 2-14: Particular requirements for DC and/or AC supplied
electronic controlgear for fluorescent induction lamps**

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International Standard IEC 61347-2-14 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34C/1374/FDIS	34C/1383/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.

This document is to be used in conjunction with IEC 61347-1:2015 and IEC 61347-1:2015/AMD1:2017.

NOTE In this document, the following print types are used:

- Requirements proper: in roman type.
- *Test specifications: in italic type.*
- Explanatory matter: in smaller roman type.

A list of all parts in the IEC 61347 series, published under the general title *Lamp controlgear*, can be found on the IEC website.

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

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- withdrawn,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

INTRODUCTION

This document specifies requirements for fluorescent induction lamp controlgear. The formatting of IEC 61347-2 into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

This document, and the parts which make up IEC 61347-2, in referring to any of the clauses of IEC 61347-1, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements, as necessary. All parts which make up IEC 61347-2 are intended to be self-contained and, therefore, do not include references to each other. However, for the case of emergency lighting lamp controlgear, some cross-referencing has been used.

Where the requirements of any of the clauses of IEC 61347-1 are referred to in this document by the phrase "The requirements of clause n of IEC 61347-1 apply", this phrase is interpreted as meaning that all requirements of the clause in question of Part 1 apply, except any which are clearly inapplicable to the specific type of lamp controlgear covered by this particular part of IEC 61347-2.

LAMP CONTROLGEAR –

Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps

1 Scope

This part of IEC 61347 specifies particular safety requirements for electronic controlgear for use on AC supplies up to 1 000 V at 50 Hz or 60 Hz and/or DC supplies with operating frequencies deviating from the supply frequency, associated with fluorescent induction lamps as specified in IEC 62532 and IEC 62639, for high-frequency operation.

For emergency lighting operation, particular requirements for controlgear operated from a central supply are given in Annex J. Performance requirements appropriate to the safe operation of emergency lighting are also contained in Annex J.

Requirements for emergency lighting controlgear operating from non-centralized power supplies are given in IEC 61347-2-7.

NOTE Performance requirements detailed in Annex J are those considered to be safety related with respect to reliable emergency operation.

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 60929:2011, *AC and/or DC-supplied electronic control gear for tubular fluorescent lamps – Performance requirements*

IEC 61347-1:2015, *Lamp controlgear – Part 1: General and safety requirements*
IEC 61347-1:2015/AMD1:2017

IEC 61347-2-7:2011, *Lamp controlgear – Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)*
IEC 61347-2-7:2011/AMD1:2017

IEC 61547, *Equipment for general lighting purposes – EMC immunity requirements*

IEC 62532:2011, *Fluorescent induction lamps – Safety specifications*

IEC 62639:2012, *Fluorescent induction lamps – Performance specification*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61347-1, IEC 62532 and IEC 62639 and the following apply.