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Controlgear for electric light sources - Safety - Part 2-8: Particular requirements - Ballasts for fluorescent lamps

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. 03/25

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English Version

**Controlgear for electric light sources - Safety - Part 2-8:
Particular requirements - Ballasts for fluorescent lamps
(IEC 61347-2-8:2024)**

Appareillages de commande pour les sources de lumière
électriques - Sécurité - Partie 2-8: Exigences particulières -
Ballasts pour lampes fluorescentes
(IEC 61347-2-8:2024)

Betriebsgeräte für elektrische Lichtquellen - Sicherheit - Teil
2-8: Besondere Anforderungen - Vorschaltgeräte für
Leuchtstofflampen
(IEC 61347-2-8:2024)

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EN IEC 61347-2-8:2024 (E)**European foreword**

The text of document 34C/1583/CDV, future edition 2 of IEC 61347-2-8, prepared by SC 34C "Auxiliaries for lamps" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61347-2-8:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-12-31 document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60081	NOTE Approved as EN 60081
IEC 60384-14	NOTE Approved as EN IEC 60384-14
IEC 60598-1:2020	NOTE Approved as EN IEC 60598-1:2021 (not modified) + A11:2022
IEC 60901	NOTE Approved as EN 60901
IEC 60921	NOTE Approved as EN 60921
IEC 61048	NOTE Approved as EN 61048
IEC 61049	NOTE Approved as EN 61049
IEC 61347-2-3	NOTE Approved as EN 61347-2-3
IEC 61347-2-8:2000	NOTE Approved as EN 61347-2-8:2001 (not modified)
IEC 61347-2-8:2000/A1:2006	NOTE Approved as EN 61347-2-8:2001/A1:2006 (not modified)

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60317-0-1	2013	Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire	EN 60317-0-1	2014
+ A1	2019		+ A1	2019
IEC 61347-1	2015	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1	2015
+ A1	2017		+ A1	2021



IEC 61347-2-8

Edition 2.0 2024-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Controlgear for electric light sources – Safety –
Part 2-8: Particular requirements – Ballasts for fluorescent lamps**

**Appareillages de commande pour les sources de lumière électriques – Sécurité –
Partie 2-8: Exigences particulières – Ballasts pour lampes fluorescentes**

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IEC 61347-2-8

Edition 2.0 2024-05

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**Controlgear for electric light sources – Safety –
Part 2-8: Particular requirements – Ballasts for fluorescent lamps**

**Appareillages de commande pour les sources de lumière électriques – Sécurité –
Partie 2-8: Exigences particulières – Ballasts pour lampes fluorescentes**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONTROLGEAR FOR ELECTRIC LIGHT SOURCES – SAFETY –**Part 2-8: Particular requirements – Ballasts for fluorescent lamps**

FOREWORD

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IEC 61347-2-8 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lighting. It is an International Standard.

This second edition cancels and replaces the first edition published in 2000 and Amendment 1:2006. This edition constitutes a technical revision.

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

- a) introduction of dated references where appropriate;
- b) alignment of clause numbers with those of IEC 61347-1.

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

Draft	Report on voting
34C/1583/CDV	34C/1591/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

This document is intended to be used in conjunction with IEC 61347-1:2015 and IEC 61347-1:2015/AMD1:2017. Where the requirements of any of the clauses of IEC 61347-1:2015 and IEC61347-1:2015/AMD1:2017 are referred to in this document by the phrase "IEC 61347-1:2015, Clause n and IEC 61347-1:2015/AMD1:2017, Clause n apply", this phrase is interpreted as meaning that all the requirements of the clause in question of IEC 61347-1:2015 and IEC 61347-1:2015/AMD1:2017 apply, except any which are clearly inapplicable to the specific type of controlgear covered by this document.

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

– *compliance statements: in italic type.*

A list of all parts in the IEC 61347 series, published under the general title *Controlgear for electric light sources – Safety*, can be found on the IEC website.

Future documents in this series will carry the new general title as cited above. Titles of existing documents in this series will be updated at the time of the next edition.

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

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

The technical requirements in this document compared to IEC 61347-2-8:2000 and IEC 61347-2-8:2000/AMD1:2006 are essentially unchanged. Nevertheless, a new edition of this document could not be avoided, as without the introduction of dated references to IEC 61347-1:2015 and IEC 61347-1:2015/AMD1:2017, the fourth edition of IEC 61347-1:—¹ would have been implicitly applicable due to the undated nature of the references to IEC 61347-1 in IEC 61347-2-8:2000 and IEC 61347-2-12:2000/AMD1:2006.

This document, in referring to any of the clauses of IEC 61347-1:2015 and IEC 61347-1:2015/AMD1:2017, specifies the extent to which such a clause is applicable. Additional requirements are also included, as necessary.

¹ Fourth edition under preparation. Stage at the time of publication IEC FDIS 61347-1:2024.

CONTROLGEAR FOR ELECTRIC LIGHT SOURCES – SAFETY –

Part 2-8: Particular requirements – Ballasts for fluorescent lamps

1 Scope

This part of IEC 61347 specifies safety requirements for ballasts, excluding resistance types, for use on AC supplies up to 1 000 V at 50 Hz or 60 Hz, associated with fluorescent lamps with or without pre-heated cathodes operated with or without a starter or starting device and having rated powers, dimensions and characteristics as specified in IEC 60081 and IEC 60901.

This document applies to complete ballasts and to their component parts such as reactors, transformers and capacitors. Ballasts for conventional operation of lamps at mains frequency are covered, while AC supplied electronic ballasts for high-frequency operation are excluded.

NOTE 1 AC supplied electronic ballasts for high-frequency operation are specified in IEC 61347-2-3.

NOTE 2 Performance requirements are the subject of IEC 60921.

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 60317-0-1:2013, *Specifications for particular types of winding wires – Part 0-1: General requirements – Enamelled round copper wire*
IEC 60317-0-1:2013/AMD1:2019

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN