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Controlgear for electric light sources - Safety - Part 1: General requirements (IEC 61347-1:2024)

Geräte für Lampen - Teil 1: Allgemeine und Sicherheitsanforderungen (IEC 61347-1:2024)

Appareillages de lampes - Partie 1: Exigences générales et exigences de sécurité (IEC 61347-1:2024)

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**Controlgear for electric light sources - Safety - Part 1: General requirements
(IEC 61347-1:2024)**

Appareillages de commande pour les sources de lumière
électriques - Sécurité - Partie 1: Exigences générales
(IEC 61347-1:2024)

Geräte für elektrische Lichtquellen - Sicherheit - Teil 1:
Allgemeine Anforderungen
(IEC 61347-1:2024)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61347-1:2024 (E)**European foreword**

The text of document 34C/1596/FDIS, future edition 4 of IEC 61347-1, 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 61347-1:2024.

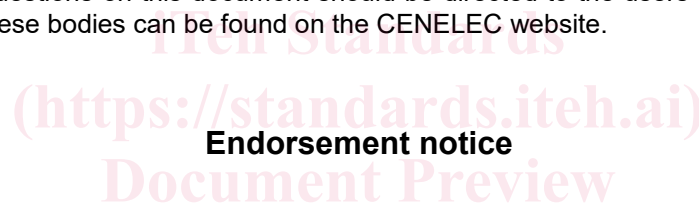
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- latest date by which the national standards conflicting with the (dow) - document have to be withdrawn

This document supersedes EN 61347-1:2015 and all of its amendments and corrigenda (if any). However, EN 61347-1:2015 and all of its amendments and corrigenda (if any) remains valid until all the Parts 2 which are used in conjunction with it have been withdrawn. No date of withdrawal (dow) has been given for this reason.

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The text of the International Standard IEC 61347-1:2024 was approved by CENELEC as a European Standard without any modification.

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

| | |
|--------------------------|---|
| IEC 60068-1:2013 | NOTE Approved as EN 60068-1:2014 (not modified) |
| IEC 60068-2-2:2007 | NOTE Approved as EN 60068-2-2:2007 (not modified) |
| IEC 60112:2020 | NOTE Approved as EN IEC 60112:2020 (not modified) |
| IEC 60269-1:2006 | NOTE Approved as EN 60269-1:2007 (not modified) |
| IEC 60269-1:2006/A1:2009 | NOTE Approved as EN 60269-1:2007/A1:2009 (not modified) |
| IEC 60269-1:2006/A2:2014 | NOTE Approved as EN 60269-1:2007/A2:2014 (not modified) |
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| IEC 60269-3 | NOTE Approved as HD 60269-3 |
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| IEC 60364-4-41:2005 | NOTE Approved as HD 60364-4-41:2017 + A11:2017 |
| IEC 60664-1:2020 | NOTE Approved as EN IEC 60664-1:2020 (not modified) |
| IEC 60664-4:2005 | NOTE Approved as EN 60664-4:2006 (not modified) |

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| IEC 60747-5-5:2020 | NOTE Approved as EN IEC 60747-5-5:2020 (not modified) |
| IEC 60838-2-2 | NOTE Approved as EN 60838-2-2 |
| IEC 60929:2011 | NOTE Approved as EN 60929:2011 (not modified) |
| IEC 60929:2011/A1:2015 | NOTE Approved as EN 60929:2011/A1:2016 (not modified) |
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| IEC 61347-2-12 | NOTE Approved as EN 61347-2-12 |
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| IEC 62386-101 | NOTE Approved as EN IEC 62386-101 |
| IEC 62386-250 | NOTE Approved as EN IEC 62386-250 |
| IEC 62733 | NOTE Approved as EN 62733 |
| IEC 63128 | NOTE Approved as EN IEC 63128 |

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.cenelec.eu.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------------|--|-------------------|-------------|
| IEC 60068-2-14 | 2009 ¹ | Environmental testing - Part 2-14: Tests - Test N: Change of temperature | EN 60068-2-14 | 2009 |
| IEC 60127 | series | Miniature fuses | EN IEC 60127 | series |
| 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 60384-14 | 2023 | Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains | EN IEC 60384-14 | 2023 |
| IEC 60598 | series | Luminaires | EN IEC 60598 | series |
| IEC 60598-1 | 2020 | Luminaires - Part 1: General requirements and tests | EN IEC 60598-1 | 2021 |
| | | | + A11 | 2022 |
| IEC 60695-2-10 | 2021 | Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure | EN IEC 60695-2-10 | 2021 |
| IEC 60695-2-11 | 2021 | Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT) | EN IEC 60695-2-11 | 2021 |
| IEC 60695-11-5 | 2016 | Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance | EN 60695-11-5 | 2017 |
| IEC 60691 | 2023 | Thermal-links - Requirements and application guide | EN IEC 60691 | 2023 |

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| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---|-------------------|-------------|
| IEC 60990 | 2016 | Methods of measurement of touch current and protective conductor current | EN 60990 | 2016 |
| IEC 61032 | 1997 | Protection of persons and equipment by enclosures - Probes for verification | EN 61032 | 1998 |
| IEC 61180 | 2016 | High-voltage test techniques for low-voltage equipment - Definitions, test and procedure requirements, test equipment | EN 61180 | 2016 |
| IEC 61189-2 | 2006 | Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2: Test methods for materials for interconnection structures | EN 61189-2 | 2006 |
| IEC 61249-2 | series | Materials for printed boards and other interconnecting structures - Part 2: Reinforced base materials, clad and unclad | EN 61249-2 | series |
| IEC 61558-1 | 2017 | Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests | EN IEC 61558-1 | 2019 |
| IEC 61558-2-1 | - | Safety of transformers, reactors, power supply units and combinations thereof - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications | EN IEC 61558-2-1 | - |
| IEC 61558-2-4 | - | Safety of transformers, reactors, power supply units and combinations thereof - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications | EN 61558-2-4 | - |
| IEC 61558-2-6 | - | Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications | EN 61558-2-6 | - |
| IEC 61558-2-13 | - | Safety of transformers, reactors, power supply units and combinations thereof - Part 2-13: Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications | EN IEC 61558-2-13 | - |
| IEC 61558-2-16 | 2021 | Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications | - | - |
| IEC 61643-11 (mod) | 2011 | Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods | EN 61643-11 | 2012 |
| - | - | | + A11 | 2018 |

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| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---|----------------|-------------|
| IEC 62368-1 | 2023 | Audio/video, information and communication technology equipment - Part 1: Safety requirements | EN IEC 62368-1 | 2024 |
| | | | + A11 | 2024 |
| ISO 8820 | series | Road vehicles - Fuse-links | - | - |

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Controlgear for electric light sources – Safety –
Part 1: General requirements**

**Appareillages de commande pour les sources de lumière électriques – Sécurité –
Partie 1: Exigences générales**

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