BS EN IEC 61547:2023

BSI Standards Publication

# Equipment for general lighting purposes — EMC immunity requirements

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# National foreword

This British Standard is the UK implementation of EN IEC 61547:2023. It is identical to IEC 61547:2020. It supersedes BS EN 61547:2009, which will be withdrawn on 8 March 2026.

The UK participation in its preparation was entrusted to Technical Committee CPL/34, Lamps and Related Equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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**Amendments/corrigenda issued since publication**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN IEC 61547

April 2023

ICS 29.020; 33.100.10; 29.140.01

Supersedes EN 61547:2009

English Version

# Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2020)

Equipements pour l'éclairage à usage général - Exigences concernant l'immunité CEM (IEC 61547:2020)

Einrichtungen für allgemeine Beleuchtungszwecke - EMV-Störfestigkeitsanforderungen (IEC 61547:2020)

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European Committee for Electrotechnical Standardization
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# European foreword

The text of document 34/676/FDIS, future edition 3 of IEC 61547, prepared by IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61547:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-12-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-03-08

This document supersedes EN 61547:2009 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

## Endorsement notice

The text of the International Standard IEC 61547:2020 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 60598-2-22 | NOTE | Approved as EN IEC 60598-2-22 |
| IEC 61000-6-1 | NOTE | Approved as EN IEC 61000-6-1 |
| CISPR 12 | NOTE | Approved as EN 55012 |

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# 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.

| Publication | Year | Title | EN/HD | Year |
|---|---|---|---|---|
| IEC 60050-161 | - | International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility | - | - |
| IEC 60050-845 | - | International Electrotechnical Vocabulary. Lighting | - | - |
| IEC 60598-1 (mod) | 2014 | Luminaires - Part 1: General requirements and tests | EN 60598-1 | 2015 |
| IEC 61000-4-2 | 2008 | Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test | EN 61000-4-2 | 2009 |
| IEC 61000-4-3 | 2006 | Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test | EN 61000-4-3 | 2006 |
| + A1 | 2007 | | + A1 | 2008 |
| + A2 | 2010 | | + A2 | 2010 |
| IEC 61000-4-4 | 2012 | Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test | EN 61000-4-4 | 2012 |
| IEC 61000-4-5 | 2014 | Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test | EN 61000-4-5 | 2014 |
| + A1 | 2017 | | + A1 | 2017 |
| IEC 61000-4-6 | 2013 | Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields | EN 61000-4-6 | 2014 |
| IEC 61000-4-8 | 2009 | Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test | EN 61000-4-8 | 2010 |

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| Publication | Year | Title | EN/HD | Year |
|---|---|---|---|---|
| IEC 61000-4-11 | 2004 | Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests | EN 61000-4-11 | 2004 |
| + A1 | 2017 | | + A1 | 2017 |
| IEC CISPR 15 | 2018 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment | EN IEC 55015 | 2019 |
| - | - | | + A11 | 2020 |

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