



BSI Standards Publication

Lamp control gear

Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

National foreword

This British Standard is the UK implementation of EN 61347-2-3:2011, incorporating corrigendum October 2011 and including amendment A1:2016. It is identical to IEC 61347-2-3:2011, incorporating corrigendum September 2011 and including amendment 1:2016. It supersedes BS EN 61347-2-3:2011, which will be withdrawn on 28 April 2020.

The text of IEC amendment 1:2016 has been provided in its entirety at the beginning of this document. BSI's policy of providing consolidated content remains unchanged; however, in the interest of expediency, in this instance BSI have chosen to collate the relevant content at the beginning of this document.

The UK participation in its preparation was entrusted to Technical Committee CPL/34/3, Auxiliaries for lamps.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 83255 0

ICS 29.140.99

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2011.

Amendments/corrigenda issued since publication

Date	Text affected
31 March 2018	Implementation of IEC amendment 1:2016 with CENELEC endorsement A1:2017

EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN 61347-2-3

July 2011

ICS 29.140.99

Supersedes EN 60925:1991, EN 61347-2-3:2001 + corr. Jul.2003 + corr. Dec.2010 + A1:2004 + A2:2006, EN 61347-2-4:2001 + corr. Jul.2003 + corr. Dec.2010, EN 61347-2-5:2001 + corr. Jul.2003 + corr. Dec.2010, EN 61347-2-6:2001 + corr. Jul.2003 + corr. Dec.2010

English version

**Lamp control gear -
 Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic
 control gear for fluorescent lamps
 (IEC 61347-2-3:2011)**

Appareillages de lampes -
 Partie 2-3: Exigences particulières pour
 les appareillages électroniques alimentés
 en courant alternatif et/ou en courant
 continu pour lampes fluorescentes
 (CEI 61347-2-3:2011)

Geräte für Lampen -
 Teil 2-3: Besondere Anforderungen an
 wechsel- und/oder gleichstromversorgte
 elektronische Betriebsgeräte für
 Leuchtstofflampen
 (IEC 61347-2-3:2011)

This European Standard was approved by CENELEC on 2011-06-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
 Comité Européen de Normalisation Electrotechnique
 Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 34C/955/FDIS, future edition 2 of IEC 61347-2-3, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61347-2-3 on 2011-06-23.

This standard is to be used in conjunction with EN 61347-1:2008 + A1:2011.

This European Standard supersedes EN 60925:1991 + A1:1996 + A2:2001, EN 61347-2-3:2001 + corrigendum July 2003 + corrigendum December 2010 + A1:2004 + A2:2006, EN 61347-2-4:2001 + corrigendum July 2003 + corrigendum December 2010, EN 61347-2-5:2001 + corrigendum July 2003 + corrigendum December 2010 and EN 61347-2-6:2001 + corrigendum July 2003 + corrigendum December 2010.

The significant revisions with respect to EN 61347-2-3:2001 are:

- rectifying test conditions when dimming;
- construction requirements;
- measurement circuits and limits for HF leakage currents;
- modification of the structure to become a standard exclusively for a.c. and d.c. central supplied electronic control gear for general lighting and Annex J cover centrally supplied emergency control gear.

This part 2 supplements or modifies the corresponding clauses in EN 61347-1 so as to convert that publication into the European Standard: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps.

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

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

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

The following dates were fixed:

- | | | |
|--|-------|------------|
| <ul style="list-style-type: none"> – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2012-03-23 |
| <ul style="list-style-type: none"> – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2014-06-23 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61347-2-3:2011 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 standards indicated:

IEC 60598-2-22 NOTE Harmonized as EN 60598-2-22.

IEC 61195 NOTE Harmonized as EN 61195.

IEC 61199 NOTE Harmonized as EN 61199.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60929	2011	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	EN 60929	201X ¹⁾
IEC 61347-1 (mod) + A1	2007 2010	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1 + A1	2008 2011
IEC 61347-2-7	201X ¹⁾	Lamp controlgear - Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)	EN 61347-2-7	201X ¹⁾
IEC 61547	-	Equipment for general lighting purposes - EMC immunity requirements	EN 61547	-

¹⁾ To be published.

EUROPEAN STANDARD

EN 61347-2-3:2011/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2017

ICS 29.140.99

English Version

Lamp control gear - Part 2-3: Particular requirements for a.c.
and/or d.c. supplied electronic control gear for fluorescent lamps
(IEC 61347-2-3:2011/A1:2016)

Appareillages de lampes - Partie 2-3: Exigences
particulières pour les appareillages électroniques alimentés
en courant alternatif et/ou en courant continu pour lampes
fluorescentes
(IEC 61347-2-3:2011/A1:2016)

Geräte für Lampen - Teil 2-3: Besondere Anforderungen an
wechsel- und/oder gleichstromversorgte elektronische
Betriebsgeräte für Leuchtstofflampen
(IEC 61347-2-3:2011/A1:2016)

This amendment A1 modifies the European Standard EN 61347-2-3:2011; it was approved by CENELEC on 2016-08-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 34C/1206/FDIS, future IEC 61347-2-3:2011/A1, prepared by SC 34C "Auxiliaries for lamps", of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61347-2-3:2011/A1:2017.

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) 2017-10-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-28

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

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

Endorsement notice

The text of the International Standard IEC 61347-2-3:2011/A1:2016 was approved by CENELEC as a European Standard without any modification.



IEC 61347-2-3

Edition 2.0 2016-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Lamp control gear –
Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control
gear for fluorescent lamps**

**Appareillages de lampes –
Partie 2-3: Exigences particulières pour les appareillages électroniques
alimentés en courant alternatif et/ou en courant continu pour lampes
fluorescentes**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.140.99

ISBN 978-2-8322-3519-5

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

FOREWORD

This amendment has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

The text of this amendment is based on the following documents:

FDIS	Report on voting
34C/1206/FDIS	34C/1241/RVD

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

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

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

1 Scope

Replace, in the first paragraph, the phrase:

"...use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies..."

with the following new text:

"...use on a.c. supplies at 50 Hz or 60 Hz up to 1 000 V and/or d.c. supplies up to 1 000 V with lamp operating frequencies..."

5 General notes on tests

Replace the second dashed list item with the following new text:

- 12 samples with each one or more units for the test of Clause 14, refer to IEC 61347-1, 14.5 (additional units or components, where necessary, may be required in consultation with the manufacturer).

7.1 Mandatory markings

Replace the existing text with the following new text:

In accordance with the requirements of 7.2 of IEC 61347-1, controlgear, other than integrated controlgear, shall be clearly and durably marked with the following mandatory markings: