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**BS EN 60968:2013+A11:2014**



**BSI Standards Publication**

# **Self-ballasted lamps for general lighting services — Safety requirements**

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This British Standard is the UK implementation of EN 60968:2013+A11:2014. It is identical to IEC 60968:2012. It supersedes BS EN 60968:2013, which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/1, Electric lamps.

A list of organizations represented on this subcommittee 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.

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Published by BSI Standards Limited 2014

ISBN 978 0 580 83783 8

ICS 29.140.30

**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 28 February 2013.

#### **Amendments/corrigenda issued since publication**

Date	Text affected
30 September 2014	Implementation of CENELEC amendment A11:2014: All references to E26 deleted. Annex ZZ inserted

**Self-ballasted lamps for general lighting services -  
Safety requirements  
(IEC 60968:2012)**

Lampes à ballast intégré pour l'éclairage  
général -  
Exigences de sécurité  
(CEI 60968:2012)

Lampen mit eingebautem Vorschaltgerät  
für Allgemeinbeleuchtung -  
Sicherheitsanforderungen  
(IEC 60968:2012)

This European Standard was approved by CENELEC on 2012-10-31. 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 CEN-CENELEC Management Centre 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 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey 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**

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The text of document 34A/1540/CDV, future edition 2 of IEC 60968, prepared by SC 34A "Lamps" of IEC/TC 34A "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60968:2013.

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) 2013-07-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-10-31

This document supersedes EN 60968:1990 + A1:1993 + A2:1999.

EN 60968:2013 includes the following significant technical changes with respect to EN 60968:1990 + A1:1993 + A2:1999:

- for reasons of photobiological safety, the scope has been extended;
- a new definition and clause on UV radiation have been introduced;
- clauses on normative references and an annex on literature were added;
- the latest IEC template has been adapted.

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 standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

### **Endorsement notice**

The text of the International Standard IEC 60968:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 62471:2006 NOTE Harmonised as EN 62471:2008 (modified).

### **Foreword to amendment A11**

This document (EN 60968:2013/A11:2014) has been prepared by CLC/TC 34A "Lamps".

This A11 has been prepared to include in EN 60968:2013 the missing common modifications (same common modifications as in the 1990 edition).

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-01-11
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-12-09

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, and supports Principle Elements of safety objectives of EU Directive.

For the relationship with EU Directive see informative Annex ZZ, which is an integral part of this document.

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(normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60061	-	Lamp caps and holders together with gauges for the control of interchangeability and safety	-	-
IEC 60061-1	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	EN 60061-1	-
IEC 60061-3	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	EN 60061-3	-
IEC 60238	-	Edison screw lampholders	EN 60238	-
IEC 60360	-	Standard method of measurement of lamp cap temperature rise	EN 60360	-
IEC 60695-2-10	2000	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	2001
IEC 60695-2-11 + corr. January	2000 2001	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
IEC 60695-2-12	2010	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	EN 60695-2-12	2010
IEC 60695-2-13 + corr. February	2010 2012	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	EN 60695-2-13	2010
IEC 60901	-	Single-capped fluorescent lamps - Performance specifications	EN 60901	-

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(informative)

### **Coverage of Principle Elements of safety objectives of Directive 2014/35/EU**

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and within its scope the Standard covers all Principle Elements (PE) of the safety objectives as given in Annex I of Directive 2014/35/EU.

Compliance with this standard provides one means of conformity with the specified Principle Elements of the Directive concerned.

**WARNING:** Other requirements and other EU Directives can be applied to the products falling within the scope of this standard.

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