

Specification for miscellaneous lamps

The European Standard EN 61549:1996, incorporating amendments A1:1997 and A2:2001, has the status of a British Standard

ICS 29.140.20

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee CPL/34, Consumer and process products, to Subcommittee CPL/34/1, Electric lamps, upon which the following bodies were represented:

- British Lighting Association for the Preparation of Standards (BRITLAPS)
- Chartered Institution of Building Services Engineers
- Electricity Association
- Engineering Equipment and Materials Users' Association
- Institution of Lighting Engineers
- Lighting Industry Federation Ltd.
- London Regional Transport
- National Illumination Committee of Great Britain
- Society of Motor Manufacturers and Traders Limited

This British Standard, having been prepared under the direction of the Products and Services Sector Board, was published under the authority of the Standards Board and comes into effect on 15 September 1996

© BSI 12 August 2002

The following BSI references relate to the work on this standard:
Committee reference CPL/34/1
Draft for comment 94/209991 DC

Amendments issued since publication

Amd. No.	Date	Comments
9784	January 1998	
13616	12 August 2002	Indicated by a sideline

ISBN 0 580 26169 7

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 61549	3

National foreword

This British Standard has been prepared by Subcommittee CPL/34/1 and is the English language version of EN 61549:1996, *Miscellaneous lamps*, including amendments A1:1997 and A2:2001, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 61549:1996, including amendments 1:1997 and 2:1999 and Corrigendum August 2000, published by the International Electrotechnical Commission (IEC).

The following print types are used in this standard:

requirement proper	in roman type
<i>test specifications</i>	<i>in italic type</i>
explanatory matter	in smaller roman type

From 1 January 1997, all IEC publications have the number 60000 added to the old number. For instance, IEC 27-1 has been renumbered as IEC 60027-1. For a period of time during the change over from one numbering system to the other, publications may contain identifiers from both systems.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 23 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Sidelining in this document indicates the most recent changes by amendment.

ICS 29.140.20; 29.140.30

Descriptors: Flash tube, signal lamp, xenon lamp, designation, dimension, interchangeability, characteristics, photometrical property, electrical property, test, test conditions, test duration, vibration test, marking

English version

Miscellaneous lamps

(includes amendments A1:1997 and A2:2001)
(IEC 61549:1996 + A1:1997 + A2:1999)

Lampes diverses
(inclut les amendements A1:1997 et A2:2001)
(IEC 61549:1996 + A1:1997 + A2:1999)

Sonderlampen
(enthält Änderungen A1:1997 und A2:2001)
(IEC 61549:1996 + A1:1997 + A2:1999)

This European Standard was approved by CENELEC on 1996-03-05. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The text of document 34A/613/FDIS, future edition 1 of IEC 61549, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61549 on 1996-03-05.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-12-01

For products which have complied with the relevant national standard before 1996-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-12-01.

Annexes designated “normative” are part of the body of the standard. In this standard, Annex ZA is normative.

Annex ZA has been added by CENELEC.

Foreword to amendment A1

The text of document 34A/673/FDIS, future amendment 1 to IEC 61549:1996, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61549:1996 on 1997-07-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1998-04-1
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1998-04-01

For products which have complied with EN 61549:1996 before 1998-04-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-04-01.

Foreword to amendment A2

The text of amendment 2:1999 to the International Standard IEC 61549:1996, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A2 to EN 61549:1996 on 2000-08-01 together with its corrigendum August 2000.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-03-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2003-08-01

Annexes designated “normative” are part of the body of the standard.

In this standard, Annex ZA is normative.

Annex ZA has been added by CENELEC.

Contents

	Page
Foreword	2
Section 1. General	
1.1 Scope	3
1.2 Normative reference	3
1.3 Definitions	3
Section 2. Requirements	
2.1 General	5
2.2 Marking	5
Section 3. Data sheets	
3.1 General principles of numbering of data sheets	7
3.2 Data sheets	7
Data sheets <i>individually numbered</i>	
Annex ZA (normative) Normative references to international publications with their corresponding European publications	23

Section 1. General

1.1 Scope

This International Standard specifies lamps or information relevant to lamps not covered elsewhere in the scope of existing IEC standards.

1.2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60432-1:1993, *Safety specifications for incandescent lamps — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes.*

1.3 Definitions

For the purposes of this International Standard, the following definition applies.

1.3.1

tungsten filament ELV lamp (extra low voltage)

lamp with a rated voltage lower than 50 V

Section 2. Requirements

2.1 General

Lamps shall be so designed and constructed that, in normal use, they present no danger to the user or surroundings.

2.2 Marking

2.2.1 Marking of tungsten filament ELV lamps with cap E27 or B22d for domestic and similar general lighting purposes

In addition to the requirements of clause 2.2 of IEC 60432-1, the voltage value in the marking on ELV lamps and on the immediate wrapping or container shall have a height of at least 5 mm.