
Safety specifications for incandescent lamps - Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes (IEC 432-2:1994, modified)

Safety specifications for incandescent lamps -- Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes

Sicherheitsanforderungen an Glühlampen -- Teil 2: Halogen-Glühlampen für den Hausgebrauch und ähnliche allgemeine Beleuchtungszwecke

Prescriptions de sécurité pour lampes à incandescence -- Partie 2: Lampes tungstène-halogène pour usage domestique et éclairage général similaire

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>

Ta slovenski standard je istoveten z: EN 60432-2:1994

ICS:

29.140.20 Žarnice z žarilno nitko Incandescent lamps

SIST EN 60432-2:1995**en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60432-2:1995

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60432-2

December 1994

ICS 29.140.20

Descriptors: Lighting equipment, incandescent lamp, tungsten filament lamp, halogen lamp, safety, interchangeability, definition, protection against electric shocks, heating, resistance to torque, quality control, marking

English version

Safety specifications for incandescent lamps
Part 2: Tungsten halogen lamps for domestic and similar lighting purposes
(IEC 432-2:1994, modified)

Prescriptions de sécurité pour lampes à
incandescence

Partie 2: Lampes tungstène-halogène
pour usage domestique et éclairage
général similaire
(CEI 432-2:1994, modifiée)

Sicherheitsanforderungen an
Glühlampen

Teil 2: Halogen-Glühlampen für den
Hausgebrauch und ähnliche allgemeine
Beleuchtungszwecke
(IEC 432-2:1994, modifiziert)

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>

This European Standard was approved by CENELEC on 1994-10-04. 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(CO)698, future edition 1 of IEC 432-2, 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 together with common modifications prepared by CENELEC Reporting Secretariat SR 34A as EN 60432-2 on 1994-10-04.

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) 1995-10-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1995-10-01

For products which have complied with the relevant national standard before 1995-10-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-10-01.

This part 2 is to be used in conjunction with EN 60432-1.

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annexes A and ZA are normative and annex B is informative.
Annex ZA has been added by CENELEC.

~~SIST EN 60432-2:1995~~

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>
Endorsement notice

The text of the International Standard IEC 432-2:1994 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Lamps with the following caps are excluded from this European Standard as they do not comply with European safety requirements.

E12
E17
E26

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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

IEC Publication	Date	Title	EN/HD	Date
-----	----	-----	-----	----
410	1973	Sampling plans and procedures for inspection by attributes	-	-
432-1	1993	Safety specifications for incandescent lamps Part 1: Tungsten filament lamps for domestic and similar general lighting purposes	EN 60432-1	1994
887	1988	Glass bulb designation system for lamps	-	-

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>

Other publications:

-
- ISO 9001:1987 - Quality systems - Model for quality assurance in design/development, production, installation and servicing
- ISO 9002:1987 - Model for quality assurance in production and installation
- ISO 9003:1987 - Model for quality assurance in final inspection and test

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60432-2:1995

<https://standards.iteh.ai/catalog/standards/sist/c6dc3d2b-04fe-4d75-a5cc-44ad6f6d5be2/sist-en-60432-2-1995>

NORME INTERNATIONALE INTERNATIONAL STANDARD

**CEI
IEC
432-2**

Première édition
First edition
1994-08

Prescriptions de sécurité pour lampes à incandescence –

Partie 2:

Lampes tungstène-halogène pour usage
domestique et éclairage général similaire

Safety specifications for incandescent lamps –

Part 2:

Tungsten halogen lamps for domestic
and similar general lighting purposes

© CEI 1994 Droits de reproduction réservés — Copyright — all rights reserved

Aucune partie de cette publication ne peut être reproduite ni
utilisée sous quelque forme que ce soit et par aucun pro-
cédé, électronique ou mécanique, y compris la photocopie et
les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in
any form or by any means, electronic or mechanical,
including photocopying and microfilm, without permission
in writing from the publisher.

Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

L

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CONTENTS

	Page
FOREWORD	5
INTRODUCTION	7
SECTION 1: GENERAL	
Clause	
1.1 Scope	9
1.2 Normative references	9
1.3 Definitions	11
SECTION 2: REQUIREMENTS	
2.1 General	11
2.2 Marking	11
2.3 Protection against accidental contact in screw lampholders	13
2.4 Lamp cap temperature rise (Δt_s)	13
2.5 Resistance to torque	13
2.6 Insulation resistance of B15d, B22d, E26/50×39 and E27/51×39 capped lamps and other lamps having insulated skirts	13
2.7 Accidentally live parts	15
2.8 Creepage distance for B15d and B22d capped lamps	15
2.9 Safety at end of life	15
2.10 Interchangeability	15
2.11 UV radiation	15
2.12 Information for luminaire design	15
SECTION 3: ASSESSMENT	
Annexes	
A Alternative induced failure test	21
B Bibliography	23

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY SPECIFICATIONS FOR INCANDESCENT LAMPS -

Part 2: Tungsten halogen lamps for domestic
and similar general lighting purposes

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 432-2 has been prepared by sub-committee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This standard shall be used in conjunction with IEC 432-1.

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

DIS	Report on voting
34A(CO)698	34A(CO)709

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

Annex A forms an integral part of this standard.

Annex B is for information only.