
British Standard Specification for
Tungsten filament lamps
for general service (batch testing)

Spécification des lampes à filament de tungstène pour l'éclairage général (essai des lots)

Spezifikation für Wolframfadenlampen für allgemeine Beleuchtung (Losprüfung)

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National foreword

This British Standard has been prepared under the direction of the Electrical Illumination Standards Policy Committee and is the English language version of EN 60 064, which consists of IEC 64 : 1987 ‘Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements’, published by the International Electrotechnical Commission (IEC). This British Standard supersedes BS 161 : 1976 which is withdrawn.

For ease of reproduction, the French text in the tables has been retained. National appendix W lists the United Kingdom cooperating organizations involved in the production of this standard.

Cross-references. Details of other international publications quoted in this standard are given in appendix ZA. Where there is a British Standard either identical or related to these international standards, the relationship is given in national appendix X.

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



Amendment No. 1
published and effective from 28 June 1991
to BS 161 : 1990

**Tungsten filament lamps for general
 service (batch testing)**

NOTE. This amendment is being published to implement Amendment 1 of EN 60 064 in accordance with CENELEC regulations, Amendment 1 having been implemented in 1990. This amendment together with the European Standard EN 60 064 : 1989 has the status of a British Standard.

Revised text

AMD 6594
June 1991

Front cover

Delete the existing title and its French and German translations and substitute the following: 'Tungsten filament lamps for domestic and similar general lighting purposes — Performance requirements'.

AMD 6594
June 1991

National foreword

Delete the existing first paragraph and substitute the following:

'This British Standard has been prepared under the direction of the Electrical Illumination Standards Policy Committee and is the English language version of EN 60 064 and Amendment 1 to EN 60 064 published by the European Committee for Electrotechnical Standardization (CENELEC).'

AMD 6594
June 1991

New EN title page and brief history page

Insert the attached new EN title page and brief history page behind the existing EN title page.

AMD 6594
June 1991

PREFACE

At the end of the existing Preface insert the attached preface.

AMD 6594
June 1991

Sub-clause 12.4 Supply and voltage control

Delete the existing text of subclause 12.4 and substitute the attached subclause 12.4.

AMD 6594
June 1991

Table II

Delete the last characteristic in Table II, 'Life of not less than 700 h together with luminous flux ratio (see Clause E2)' and substitute:

'A life of less than
 700h together with
 luminous flux ratio
 (see Clause E2) '.

AMD 6594
June 1991

Table IIIA

Insert the attached Table IIIA between pages 14 and 15.

AMD 6594
June 1991

Back cover

Insert 'ISBN 0 580 18246 0' beneath the list of editions in the top left of the page.

UDC: 621.326.7

Key words: Tungsten filament lamp; characteristic; sampling; test of compliance; test conditions

Amendment 1 to the English version of EN 60 064

Tungsten filament lamps for domestic and similar general lighting purposes — Performance requirements

(Amdt 1 (1988) to IEC 64 (1987) edition 5)

Lampes à filament de tungstène pour usage
domestique et éclairage général similaire —
Prescriptions de performances
(Amdt 1 (1988) à la CEI 64 (1987) édition 5)

Glühlampen für den Hausgebrauch und ähnliche
Beleuchtungszwecke — Anforderungen an das
Betriebsverhalten
(Änderung 1 (1988) zu IEC 64 (1987) Ausgabe 5)

Amendment 1 modifies the European Standard EN 60 064.

It was ratified by CENELEC on 11 September 1989.

CENELEC members are bound to comply with the requirements of the CENELEC Internal Regulations which specify under which conditions this Amendment should be incorporated, without any alteration, in the corresponding national standard.

This Amendment exists in the three official versions (English, French and German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to CENELEC 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, 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 Bréderode 2, B-1000 Brussels

PREFACE

This amendment has been prepared by Sub-Committee 34A: Lamps, of IEC Technical Committee No. 34: Lamps and Related Equipment.

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

Six Months' Rule	Report on Voting
34A(C0)341	34A(C0)384

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

12.4 *Supply and voltage control*

Voltage variations on the test racks shall not exceed $\pm 1\%$ of the test voltage.

Notes 1.- It is normally necessary to provide voltage stabilization equipment and, where one stabilizer serves several groups of lamps, fine voltage control for each group is usually necessary to compensate for small voltage variations due to changes in load. Voltage checks and the re-setting of the voltage as near as possible to the test voltage are desirable on a daily basis but the interval should not exceed 100 h.

- 2.- The response of voltage stabilizers to changes in supply voltage should be such that changes greater than $\pm 1\%$ are corrected within 1 min.
- 3.- For the case of high-voltage short duration surges, see Appendix F.
- 4.- Mains resistance and inductance values relate to the resistance and inductance values when looking back from the lamp position into the mains. When these parameters are measured, voltage stabilizers and devices for providing voltage adjustment should be in circuit at approximately their normal settings. If small resistors or inductors have to be added to achieve the specified values, these should be in place.

TABLEAU IIIA

TABLE IIIA

Prescriptions dimensionnelles *Dimensional requirements*

Nombre de lampes enregistrées Number of lamps in records	Nombre limite des rebuts ¹⁾ Qualifying limit ¹⁾
20 - 34	2
35 - 54	3
55 - 74	4
75 - 95	5
96 - 116	6
117 - 138	7
139 - 161	8
162 - 184	9
185 - 208	10
209 - 231	11
232 - 257	12
258 - 281	13
282 - 307	14
308 - 332	15
333 - 357	16
358 - 383	17
384 - 409	18
410 - 436	19
437 - 461	20
462 - 488	21
489 - 515	22
516 - 542	23
543 - 569	24
570 - 596	25
597 - 623	26
624 - 650	27
651 - 677	28
678 - 706	29
707 - 733	30
734 - 761	31
762 - 789	32
790 - 817	33
818 - 845	34
846 - 873	35
874 - 901	36
902 - 929	37
930 - 958	38
959 - 987	39
988 - 1 016	40
1 017 et au-dessus ²⁾ and above ²⁾	

¹⁾ Voir annexe G.²⁾ Pour 1 017 et au-dessus utiliser la formule du paragraphe 14.2.4, y compris le pourcentage approprié.¹⁾ See Appendix G.²⁾ For 1 017 and above, use formula in Sub-clause 14.2.4 including the appropriate percentage.

