

Specification for

**A.C. supplied electronic
ballasts for tubular
fluorescent lamps —
General and safety
requirements**

This European Standard EN 60928:1991 has the status of a
British Standard

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This British Standard was published under the authority of the Standards Board and comes into effect on 30 August 1991

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The following BSI references relate to the work on this standard:
Committee reference LGL/21
Draft for comment 86/32216 DC

ISBN 0 580 19847 2

Amendments issued since publication

Amd. No.	Date	Comments
8320	October 1994	Indicated by a sideline in the margin

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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 60928:1991 *A.C. supplied electronic ballasts for tubular fluorescent lamps. General and safety requirements* including Amendment A1:1994, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 928:1990 and its Amendments No. 1:1992 and No. 2:1993 published by the International Electrotechnical Commission (IEC) with the same title.

The foreword of the EN makes reference to “date of withdrawal (dow) of conflicting national standards” as “1994-12-01”. In this case the relevant national standard is BS EN 60928 but the date of withdrawal relates only to those parts of the British Standard subject to Amendment No. 1. Certificates and marks will not be awarded after this date with respect to the British Standard not incorporating Amendment No. 1. They will be awarded only to the amended British Standard. However, such certificates and marks already awarded with respect to the British Standard not incorporating Amendment No. 1 may continue to apply for production until 1999-12-01.

The foreword and preface of IEC 928, which do not form part of the text of EN 60928, have been quoted in National appendix NA.

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. National appendices are designated “informative”.

Cross-references Details of International Standards quoted in this British Standard for which there is an identical or technically equivalent British Standard are given in National appendix NC.

NOTE *Typographical error.* In clause 14, third paragraph, in the equation the symbol “ I_n ” should be read as “ I_n ”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their 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 20, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 621.327.534.15:614.8

Descriptors: Lighting equipment, tubular lamp, fluorescent lamp, electric ballast, alternative current, safety requirement

English version

A.C. supplied electronic ballasts for tubular fluorescent lamps — General and safety requirements

(IEC 928:1990 + A2:1994)

Ballasts électroniques alimentés en courant alternatif pour lampes tubulaires à fluorescence
Prescriptions générales et prescriptions de sécurité

(inclut l'amendement A2:1994)

(CEI 928:1990)

Wechselstromversorgte elektronische Vorschaltgeräte für röhrenförmige Leuchtstofflampen

Allgemeine und

Sicherheitsanforderungen

(enthält Änderungen A2:1994)

(IEC 928:1990)

This European Standard was approved by CENELEC on 15 March 1991. 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

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Ref. No. EN 60928:1991
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Foreword

Following a decision taken by CENELEC Technical Committee TC 34Z at their meeting in Brussels in February 1989, the International Standard IEC 928:1990 was submitted to the CENELEC Unique Acceptance Procedure (UAP) in August 1990 for acceptance as a European Standard.

The text of the reference document was approved by CENELEC as EN 60925 on 15 March 1991.

The following dates were fixed:

- latest date of publication
of an identical national
standard (dop) 1992-03-01
- latest date of withdrawal
of conflicting national
standards (dow) 1992-03-01

For products which have complied with the relevant national standard before 1992-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-03-01.

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

Endorsement notice

The text of the International Standard IEC 928:1990 was approved by CENELEC as a European Standard without any modification.

Foreword to Amendment A2

At the request of the CENELEC Technical Committee TC 34Z, Luminaires and associated equipment, amendments 1:1992 and 2:1993 to the International Standard IEC 928:1990 were submitted to the CENELEC Unique Acceptance Procedure (UAP) in April 1993 for acceptance as a European Standard.

The text of the International Standard was approved by CENELEC as amendment A2 to EN 60928 on 8 December 1993.

NOTE There is no amendment A1 to EN 60928:1991.

The following dates were fixed:

- latest date of publication
of an identical national
standard (dop) 1994-12-01
- latest date of withdrawal
of conflicting national
standards (dow) 1994-12-01

For products which have complied with EN 60928:1991 before 1994-12-01 as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-12-01.

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

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