

Lamp controlgear —

Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

The European Standard EN 61347-2-7:2001 has the status of a
British Standard

ICS 29.140.99

National foreword

This British Standard is the official English language version of EN 61347-2-7:2001, including Corrigendum July 2003. It is identical with IEC 61347-2-7:2000. Together with BS EN 61347-1, -2-4, -2-5, and -2-6:2001 it supersedes Section Six of BS EN 60924:1991 + A1:1994 which will be withdrawn on 01 December 2006.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and related equipment, to Subcommittee CPL/34/3, Auxiliaries for lamps, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 21 and a back cover. The BSI copyright notice displayed in this document indicates when the document was last issued.

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English version

**Lamp controlgear —
Part 2-7: Particular requirements for d.c. supplied electronic ballasts
for emergency lighting
(IEC 61347-2-7:2000)**

Appareillages de lampes —
Partie 2-7: Prescriptions particulières pour
les ballasts électroniques alimentés en
courant continu pour l'éclairage de
secours
(CEI 61347-2-7:2000)

Geräte für Lampen —
Teil 2-7: Besondere Anforderungen an
gleichstromversorgte elektronische
Vorschaltgeräte für die Notbeleuchtung
(IEC 61347-2-7:2000)

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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.

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Foreword

The text of document 34C/504/FDIS, future edition 1 of IEC 61347-2-7, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61347-2-7 on 2000-11-01.

This European Standard, together with EN 61347-1, supersedes section six of EN 60924:1991 + A1:1994.

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) 2001-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-12-01

This standard shall be used in conjunction with EN 61347-1:2001.

NOTE In this standard, the following print types are used:

- requirements : in roman type;
- *test specifications: in italic type;*
- notes: in smaller roman type.

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A to H and ZA are normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61347-2-7:2000 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

This first edition of IEC 61347-2-7, published in conjunction with IEC 61347-1, represents an editorial review of section six of IEC 60924. The formatting into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

This standard, and the parts which make up IEC 61347-2, in referring to any of the clauses of IEC 61347-1, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements, as necessary. All parts which make up IEC 61347-2 are self-contained and, therefore, do not include references to each other.

Where the requirements of any of the clauses of IEC 61347-1 are referred to in this standard by the phrase “The requirements of clause n of IEC 61347-1 apply”, this phrase is interpreted as meaning that all requirements of the clause in question of part 1 apply, except any which are clearly inapplicable to the specific type of lamp controlgear covered by this particular part of IEC 61347-2.

LAMP CONTROLGEAR –

Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

1 Scope

This part of IEC 61347 specifies particular safety requirements for d.c. supplied electronic ballasts for maintained and non-maintained emergency lighting purposes.

It includes specific requirements for ballasts and control units for luminaires for emergency lighting as specified by IEC 60598-2-22.

DC supplied electronic ballasts for emergency lighting may or may not include batteries.

This standard also includes all operational requirements which, in the case of other d.c. supplied electronic ballasts, are regarded as performance requirements. This is because non-operational emergency lighting equipment presents a safety hazard.

Performance requirements are the subject of IEC 60925.

2 Normative references

For the purpose of this part of IEC 61347, the normative references given in clause 2 of IEC 61347-1 which are mentioned in this standard apply, together with the following normative references.

IEC 60598-2-22, *Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting*

IEC 60742, *Isolating transformers and safety isolating transformers – Requirements*

IEC 60925, *D.C. supplied electronic ballasts for tubular fluorescent lamps – Performance requirements*

IEC 61347-1, *Lamp controlgear – Part 1: General and safety requirements*