



**NSAI**  
Standards

Irish Standard  
I.S. EN 50107-1:2002&A1:2004

# Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV - Part 1: General requirements

**I.S. EN 50107-1:2002&A1:2004**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

EN 50107-1:2002/A1:2004

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

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## National Foreword

I.S. EN 50107-1:2002&A1:2004 is the adopted Irish version of the European Document EN 50107-1:2002, Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV - Part 1: General requirements

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

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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EUROPEAN STANDARD

**EN 50107-1/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

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ICS 29.140.30

English version

**Signs and luminous-discharge-tube installations  
operating from a no-load rated output voltage  
exceeding 1 kV but not exceeding 10 kV  
Part 1: General requirements**

Installations d'enseignes et de tubes  
lumineux à décharge fonctionnant  
à une tension de sortie à vide assignée  
supérieure à 1 kV mais ne dépassant  
pas 10 kV  
Partie 1: Prescriptions générales

Leuchtröhrengeräte und  
Leuchtröhrenanlagen mit einer  
Leerlaufspannung über 1 kV  
aber nicht über 10 kV  
Teil 1: Allgemeine Anforderungen

This amendment A1 modifies the European Standard EN 50107-1:2002; it was approved by CENELEC on 2004-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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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**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**

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EUROPEAN STANDARD

**EN 50107-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2002

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Supersedes EN 50107:1998

English version

**Signs and luminous-discharge-tube installations  
operating from a no-load rated output voltage  
exceeding 1 kV but not exceeding 10 kV  
Part 1: General requirements**

Installations d'enseignes et de tubes  
lumineux à décharge fonctionnant  
à une tension de sortie à vide  
assignée supérieure à 1 kV  
mais ne dépassant pas 10 kV  
Partie 1: Prescriptions générales

Leuchtröhrengeräte und  
Leuchtröhrenanlagen  
mit einer Leerlaufspannung  
über 1 kV aber nicht über 10 kV  
Teil 1: Allgemeine Anforderungen

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European Committee for Electrotechnical Standardization  
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Europäisches Komitee für Elektrotechnische Normung

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

## Foreword

This European Standard was prepared by CENELEC BTTF 60-2, Electrical discharge lamp installations.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50107-1 on 2002-01-04.

This European Standard replaces EN 50107:1998.

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) 2003-05-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2005-01-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex B is normative and annexes A & C are informative.

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## 1 Scope

This European Standard specifies the requirements and method of installation for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 000 V but not exceeding 10 000 V, including the electrical components and wiring.

The standard covers installations used for publicity, decorative or general lighting purposes, either for external or internal use. Such signs or luminous-discharge-tube installations may be either fixed or portable supplied from a low-voltage (LV) or extra-low-voltage (ELV) source by means of a transformer, inverter or converter.

## 2 Normative references

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 the European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 50107-2<sup>1)</sup>, *Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV – Part 2: Requirements for earth-leakage and open-circuit protective devices*

EN 50143:1997 + A1:200X<sup>1)</sup>, *Cables for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV*

EN 60529:1991, *Degrees of protection provided by enclosures (IP Code)* (IEC 60529:1989)

EN 60598-1:2000, *Luminaires — Part 1: General requirements and tests* (IEC 60598-1:2000, mod.)

EN 61347-2-10, *Lamp controlgear — Part 2-10: Particular requirements for electronic inverters and converters for high-frequency operation of cold start tubular discharge lamps (neon tubes)* (IEC 61347-2-10)

EN 61050, *Transformers for tubular discharge lamps having a no-load output voltage exceeding 1 kV (generally called neon-transformers) — General and safety requirements* (IEC 61050:1991 + corrigendum March 1992, mod.)

HD 384 (series), *Electrical installations of buildings* (IEC 60364 series, mod.)

IEC 60050, *International Electrotechnical Vocabulary*

ISO 3864:1984, *Safety colours and safety signs*

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<sup>1)</sup> To be published.

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