



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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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

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

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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

EUROPEAN STANDARD

EN 50107-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2002

ICS 29.140.30

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

This European Standard was approved by CENELEC on 2002-01-04. 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.

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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

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 50107-2¹⁾, *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 + A1:200X¹⁾, *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*

¹⁾ To be published.

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