

**Ehitiste elektripaigaldised. Osa 5-55: Elektriseadmete
valik ja paigaldamine. Muud seadmed. Jagu 559:
Valgustid ja valgustuspaigaldised**

Electrical installations of buildings - Part 5-55: Selection and
erection of electrical equipment - Other equipment - Clause
559: Luminaires and lighting installations

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 60364-5-559:2006 sisaldab Euroopa standardi HD 60364-5-559:2005+AC:2007 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.10.2005 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 29.09.2005.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-HD 60364-5-559:2006 consists of the English text of the European standard HD 60364-5-559:2005+AC:2007.

This standard is ratified with the order of Estonian Centre for Standardisation dated 28.10.2005 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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The standard is available from Estonian standardisation organisation.

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English version

Electrical installations of buildings
Part 5-55: Selection and erection of electrical equipment –
Other equipment
Clause 559: Luminaires and lighting installations
(IEC 60364-5-55:2001 (Clause 559), modified)

Installations électriques des bâtiments
Partie 5-55: Choix et mise en œuvre
des matériels électriques –
Autres matériels
Article 559: Luminaires et installations
d'éclairage
(CEI 60364-5-55:2001 (Article 559),
modifiée)

Elektrische Anlagen von Gebäuden
Teil 5-55: Auswahl und Errichtung
elektrischer Betriebsmittel –
Andere Betriebsmittel
Abschnitt 559: Leuchten und
Beleuchtungsanlagen
(IEC 60364-5-55:2001 (Abschnitt 559),
modifiziert)

This Harmonization Document was approved by CENELEC on 2005-04-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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

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Foreword

The text of Clause 559 of the International Standard IEC 60364-5-55:2001, prepared by IEC TC 64, Electrical installations and protection against electric shock, together with the common modifications prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote and was approved by CENELEC as HD 60364-5-559 on 2005-04-12.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2005-10-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2006-04-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2008-04-01

Annexes ZA, ZB and ZC have been added by CENELEC.

Clauses, subclauses and annexes which are additional to those of Clause 559 of IEC 60364-5-55 are prefixed "Z".

In this standard, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

The contents of the corrigendum of October 2007 have been included in this copy.

559 Luminaires and lighting installations

559.1 Scope

The particular requirements of this Clause of HD 60364 (HD384) apply to the selection and erection of luminaires and lighting installations intended to be part of the fixed installation.

Additional requirements for specific types of lighting installations are covered in various parts 7:

- HD 384.7.714 for outdoor lighting installations;
- HD 60364-7-715 for extra-low-voltage lighting installations.

The requirements of this clause do not apply to:

- high voltage signs supplied at low voltage (called neon-tube);
- signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV (EN 50107).

NOTE Safety requirements for luminaires are covered by EN 60598.

559.22 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50107, series, *Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV*

EN 60598, series, *Luminaires* (IEC 60598 series, mod.)

EN 60670, series, *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations* (IEC 60670 series, mod.)

EN 60998, series, *Connecting devices for low-voltage circuits for household and similar purposes* (IEC 60998 series, mod.)

EN 61048, *Auxiliaries for lamps - Capacitors for use in tubular fluorescent and other discharge lamp circuits - General and safety requirements* (IEC 61048:1991 + corrigendum 1992, mod.)

EN 61347-1, *Lamp controlgear - Part 1: General and safety requirements* (IEC 61347-1)

EN 61558-2-6, *Safety of power transformers, power supply units and similar - Part 2-6: Particular requirements for safety isolating transformers for general use* (IEC 61558-2-6)

HD 22.3 S4:2004, *Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 3: Heat resistant silicone rubber insulated cables*

HD 384.1 S2:2001, *Electrical installations of buildings - Part 1: Scope, object and fundamental principles* (IEC 60364-1:1992, mod.)

HD 384.4.46 S2:2001, *Electrical installations of buildings - Part 4: Protection for safety - Chapter 46: Isolation and switching* (IEC 60364-4-46:1981, mod.)

HD 384.4.482 S1:1997, *Electrical installations of buildings - Part 4: Protection for safety - Chapter 48: Choice of protective measures as a function of external influences - Section 482: Protection against fire where particular risks or danger exist*

HD 384.5.52 S1:1995, *Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Chapter 52: Wiring systems* (IEC 60364-5-52:1993, mod.)

IEC 60364-5-53:2001, *Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control*

HD 384.5.537 S2:1998, *Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Chapter 53: Switchgear and controlgear - Section 537: Devices for isolation and switching* (IEC 60364-5-537:1981 + A1:1989, mod.)

HD 384.7.714 S1:2000, *Electrical installations of buildings - Part 7: Requirements for special installations or locations - Section 714: Outdoor lighting installations* (IEC 60364-7-714:1996, mod.)

HD 60364-7-715:2005, *Electrical installations of buildings - Part 7-715: Requirements for special installations or locations - Extra-low voltage lighting installations* (IEC 60364-7-715:1999, mod.)

IEC 60050-195, *International Electromechanical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock*

IEC 60050-826, *International Electromechanical Vocabulary (IEV) - Part 826: Electrical installations*

IEC 60417 (database), *Graphical symbols for use on equipment*

IEC 61995-1, *Devices for the connection of a luminaire for household and similar purposes - Part 1: General requirements*

559.3 Definitions

For the purpose of this clause, the general definitions of HD 384.1, EN 60598, IEC 60050-195 and IEC 60050-826 apply.

559.3.1 Display stands for luminaires denote permanent stands in sales rooms or parts of sales rooms, which are used to display luminaires.

The following items are not regarded as display stands:

- trade fairs stands, in which luminaires remain connected for the duration of the fair;
- temporary exhibition panels with permanently connected luminaires;
- exhibition panels with a range of luminaires which can be connected with a plug-in device.

559.4 General requirements for installations

Luminaires shall be selected and erected in accordance with the manufacturer's instructions and shall comply with EN 60598.

NOTE Z1 See Annex ZA for the explanation of symbols used in luminaires, in controlgear for luminaires and in the installation of the luminaires.