

**Ehitiste elektripaigaldised. Osa 7: Nõuded  
eripaigaldistele ja -paikadele. Jagu 714:  
Välisvalgustuspaigaldised**

Electrical installations of buildings - Part 7:  
Requirements for special installations or locations -  
Section 714: Outdoor lighting installations

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-HD 384.7.714 S1:2004 sisaldab Euroopa standardi HD 384.7.714 S1:2000 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 15.01.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 30.11.2000.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-HD 384.7.714 S1:2004 consists of the English text of the European standard HD 384.7.714 S1:2000.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 15.01.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 30.11.2000.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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ICS 91.140.50, 91.160.20

**Võtmesõnad:** electrical engineering, electrical equipment, electrical installations, electrically-operated, electrically-operated devices, lighting plants, lighting systems, open air, outdoor lighting, service installations in buildings, specification (approval), specifications

### Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:  
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English version

**Electrical installations of buildings**  
**Part 7: Requirements for special installations or locations**  
**Section 714: Outdoor lighting installations**  
(IEC 60364-7-714:1996, modified)

Installations électriques des bâtiments  
Partie 7: Règles pour les installations et  
emplacements spéciaux  
Section 714: Installations d'éclairage  
extérieur  
(CEI 60364-7-714:1996, modifiée)

Elektrische Anlagen von Gebäuden  
Teil 7: Anforderungen für  
Betriebsstätten, Räume und Anlagen  
besonderer Art  
Hauptabschnitt 714:  
Beleuchtungsanlagen im Freien  
(IEC 60364-7-714:1996, modifiziert)

This Harmonization Document was approved by CENELEC on 1999-08-01. 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, Czech Republic, 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

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

### Foreword

The text of the International Standard IEC 60364-7-714:1996, 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 of buildings, was submitted to the formal vote and was approved by CENELEC as HD 384.7.714 S1 on 1999-08-01.

The following dates were fixed:

- latest date by which the existence of the HD  
has to be announced at national level (doa) 2000-02-01
- latest date by which the HD has to be implemented  
at national level by publication of a harmonized  
national standard or by endorsement (dop) 2001-05-01
- latest date by which the national standards conflicting  
with the HD have to be withdrawn (dow) 2002-08-01

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

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## INTRODUCTION

The requirements of part 7 supplement, modify or replace the general requirements of the other parts of HD 384. The numbers following the particular number of section of part 7 are those of the corresponding parts, chapters, sections or clauses of HD 384. The absence of reference to a chapter, a section or a clause means that the corresponding general requirements are applicable.

### 714 External lighting installations

#### 714.1 Scope, object and fundamental principles

##### 714.11 Scope

The particular requirements of this section apply to fixed outdoor lighting installations.

NOTE Outdoor lighting comprises luminaires, wiring system and accessories located outside buildings.

They apply particularly to:

- lighting installations e.g. for roads, parks, gardens, places open to the public, sporting areas, illumination of monuments and floodlighting;
- other lighting arrangements in places such as telephone kiosks, bus shelters, advertising panels, town plans, road signs.

These rules do not apply to:

- public lighting installations which are part of public power grid;
- temporary festoon lighting;
- road traffic signal systems;
- luminaires which are fixed to the outside of a building and are supplied directly from the internal wiring of that building.

For lighting installations for swimming pools and fountains, see Section 702.

##### 714.12 Normative references

This Harmonization Document 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 this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

HD 384	series	Electrical installations of buildings (IEC 60364 series, mod.)
HD 384.3 S2	1995	Electrical installations of buildings - Part 3: Assessment of general characteristics (IEC 60364-3:1993, mod.)

HD 384.7.702 S1 1991	Electrical installations of buildings - Part 7: Requirements for special installations or locations - Section 702: Swimming pools (IEC 60364-7-702:1983, mod.)
EN 60598	series Luminaires (IEC 60598 series, mod.)

### **714.13 Definitions**

#### **714.13.1**

##### **origin of the outdoor lighting installation**

the supply delivery point of electrical energy by the supply authority or the origin of the circuit supplying the outdoor lighting installation exclusively

#### **714.13.2**

##### **luminaire**

apparatus which distributes, filters or transforms the light transmitted from one or more lamps and which includes all the parts necessary for supporting, fixing and protecting the lamps, but not the lamps themselves, and where necessary circuit auxiliaries together with the means for connecting them to the supply

### **714.3 Assessment of general characteristics**

#### **714.32 Classification of external influences**

Classes of external influences for ambient temperature and climatic conditions depend on local conditions. The following classes are generally recommended:

- ambient temperature: AA 2 and AA 4 (from - 40 °C to +40 °C),
- climatic conditions: AB 2 and AB 4 (relative humidity between 5 % and 100 %),

The classes given for the following external influences are minimum requirements:

- presence of water: AD 3 (sprays);
- presence of foreign bodies: AE 2 (small objects).

Classes of other conditions of external influences are dependant on local conditions.

NOTE Other classes of external influences e.g. corrosive substances, mechanical impact, solar radiation, etc. may be applicable in certain conditions (see HD 384.3 S2).

### **714.4 Protection for safety**

#### **714.41 Protection against electric shock**

##### **714.412 Protection against direct contact**

All live parts of electrical equipment shall be protected by insulation or by barriers or enclosures preventing direct contact.

Cabinets housing accessible live parts shall be locked with a key or a tool, unless they are in a location where only skilled or instructed persons may obtain access.