



# SLOVENSKI STANDARD

## SIST EN 60598-2-3:2004

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SIST EN 60598-2-3:1995/A1:1999

SIST EN 60598-2-3:1995/A2:2003

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**Svetilke - 2-3. del: Posebne zahteve - Svetilke za cestno in ulično razsvetljavo (IEC 60598-2-3:2002) (vsebuje popravek AC:2005)**

Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting (IEC 60598-2-3:2002) **iTeh STANDARD PREVIEW**

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Leuchten - Teil 2-3: Besondere Anforderungen - Leuchten für Straßen- und Wegebeleuchtung (IEC 60598-2-3:2002)

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Luminaires - Partie 2-3: Règles particulières - Luminaires d'éclairage public (CEI 60598-2-3:2002)

**Ta slovenski standard je istoveten z: EN 60598-2-3:2003**

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**ICS:**

29.140.40	Svetila	Luminaires
93.080.40	Cestna razsvetljava in pripadajoča oprema	Street lighting and related equipment

**SIST EN 60598-2-3:2004**

**en**

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EUROPEAN STANDARD

**EN 60598-2-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2003

ICS 29.140.40; 93.080.30

Supersedes EN 60598-2-3:1994 + A1:1997 + A2:2001  
Incorporates Corrigendum August 2005

English version

**Luminaire**  
**Part 2-3: Particular requirements -**  
**Luminaire for road and street lighting**  
(IEC 60598-2-3:2002)

Luminaire  
Partie 2-3: Règles particulières -  
Luminaire d'éclairage public  
(CEI 60598-2-3:2002)

Leuchten  
Teil 2-3: Besondere Anforderungen -  
Leuchten für Straßen- und  
Wegebeleuchtung  
(IEC 60598-2-3:2002)

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This European Standard was approved by CENELEC on 2003-02-01. 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.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 document 34D/762/FDIS, future edition 3 of IEC 60598-2-3, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60598-2-3 on 2003-02-01.

This European Standard supersedes EN 60598-2-3:1994 + corrigendum May 1996 + A1:1997 + A2:2001.

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) 2003-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-02-01

This European Standard should be used in conjunction with the latest edition of and any amendments to EN 60598-1: *Luminaires – Part 1: General requirements and tests*.

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

Annexes designated "informative" are given for information only.

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

Annex ZA has been added by CENELEC.

The contents of the corrigendum of August 2005 have been included in this copy.

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## Endorsement notice

The text of the International Standard IEC 60598-2-3:2002 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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 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).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Addition to Annex ZA of EN 60598-1:2000

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60364-7-714 (mod)	1996	Electrical installations of buildings Part 7: Requirements for special installations or locations Section 714: Outdoor lighting installations	HD 384.7.714 S1	2000
IEC 60068-2-75	1997	Environmental testing Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997

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**NORME  
INTERNATIONALE  
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**60598-2-3**

Troisième édition  
Third edition  
2002-12

**Luminaire –**

**Partie 2-3:  
Règles particulières –  
Luminaire d'éclairage public**

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**Luminaire –**

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**Part 2-3:  
Particular requirements –  
Luminaire for road and street lighting**

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Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

**P**

*Pour prix, voir catalogue en vigueur  
For price, see current catalogue*

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LUMINAIRES –

Part 2-3: Particular requirements –  
Luminaires for road and street lighting

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

This International Standard IEC 60598-2-3 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This third edition cancels and replaces the second edition, published in 1993, and its amendments 1 (1997) and 2 (2000) as well as interpretation sheets IS 01 and IS 02 (2001). It constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
34D/762/FDIS	34D/772/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be read in conjunction with IEC 60598-1.

The changes to the text introduced by this new edition introduce requirements for column-integrated luminaires.

The text introduced by interpretation sheets IS 01 and IS 02 is contained in subclause 3.6.5 Note 1 and subclause 3.12.1, second paragraph, respectively.

The committee has decided that the contents of this publication will remain unchanged until July 2006. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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## LUMINAIRES –

### Part 2-3: Particular requirements – Luminaires for road and street lighting

#### 3.1 Scope

This part of IEC 60598 specifies requirements for

- luminaires for road, street lighting and other public outdoor lighting applications;
- tunnel lighting;
- column-integrated luminaires with a minimum total height above normal ground level of 2,5 m;

and for use with electrical lighting sources on supply voltages not exceeding 1 000 V.

NOTE Column integrated luminaires with a total height below 2,5 m are under consideration.

#### 3.1.1 Normative references

The normative references listed in Section 0 of IEC 60598-1 apply to this part as well as the following reference:

IEC 60364-7-714, 1996, *Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 714: External lighting installations*

SIST EN 60598-2-3:2004

IEC 60068-3-76:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

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#### 3.2 General test requirements

The provisions of Section 0 of IEC 60598-1 apply.

The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this section of Part 2.

In order to facilitate testing, and due to the dimensions of the sample, it is allowed to make use of the appropriate parts of the luminaire only (this is mainly applicable to column-integrated luminaires).

#### 3.3 Definitions

For the purposes of this section, the definitions of Section 1 of IEC 60598-1 apply together with the following definitions.

##### 3.3.1

##### **span wire**

wire between main supports which carries the weight of the complete installation.

NOTE This may include several luminaires, supply cables and a stay wire.

##### 3.3.2

##### **suspension wire**

wire attached to the span wire and carrying the weight of the luminaire