SLOVENSKI STANDARD

SIST EN 62838:2016

01-marec-2016

Polintegrirane sijalke LED za splošno razsvetljavo z napajalnimi napetostmi, ki ne presegajo efektivne izmenične napetosti 50 V ali nevalovite enosmerne napetosti 120 V - Varnostna specifikacija (IEC 62838:2015)

Semi-integrated LED lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. - Safety specification (IEC 62838:2015)

LED-Lampen mit eingebautem Vorschaltgerät für Allgemeinbeleuchtungszwecke mit Versorgungsspannungen nicht über 50 V effektiver Wechselspannung oder 120 V welligkeitsfreier Gleichspannung – Sicherheitsanforderungen

Lampes à DEL semi-intégrées pour l'éclairage général fonctionnant à des tensions d'alimentation ne dépassant pas 50 V en courant alternatif efficace ou 120 V en courant continu lisse - Spécifications de sécurité

Ta slovenski standard je istoveten z: EN 62838:2016

ICS:

29.140.30	Fluorescenčne sijalke. Sijalke	Fluorescent lamps. Discharge lamps

SIST EN 62838:2016 en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62838

January 2016

ICS 29.140

English Version

LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. - Safety specifications (IEC 62838:2015)

Lampes à LEDsi pour l'éclairage général fonctionnant à des tensions d'alimentation ne dépassant pas 50 V en courant alternatif efficace ou 120 V en courant continu lisse - Spécifications de sécurité
(IEC 62838:2015)

LEDsi-Lampen (semi-integrated, mit eingebauter Steuereinheit) für Allgemeinbeleuchtungszwecke mit Versorgungsspannungen nicht über 50 V effektiver Wechselspannung oder 120 V welligkeitsfreier Gleichspannung - Sicherheitsanforderungen
(IEC 62838:2015)

This European Standard was approved by CENELEC on 2015-11-11. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 62838:2016 E

European foreword

The text of document 34A/1852/FDIS, future edition 1 of IEC 62838, prepared by SC 34A "Lamps", of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62838:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-08-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-11

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 62838:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60432-3	NOTE	Harmonized as EN 60432-3.
IEC 62471	NOTE	Harmonized as EN 62471.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60061-1	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	EN 60061-1	-
IEC 60061-3	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	EN 60061-3	-
IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41	2007
-	-		+ corrigendum Jul.	2007
IEC 60364-7-715 (mod)	2011	Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations	HD 60364-7-715	2012
IEC 60417	-	Graphical symbols for use on equipment	-	-
IEC 60598-1	-	Luminaires - Part 1: General requirements and tests	EN 60598-1	-
IEC 61347-1	2015	Lamp controlgear - Part 1: General and safety requirement	EN 61347-1	2015
IEC 62031	-	LED modules for general lighting - Safety specifications	EN 62031	-
IEC 62504	-	General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions	EN 62504	-
IEC 62560	-	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications	EN 62560	-
IEC/TR 62778	-	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	-	-

IEC 62838

Edition 1.0 2015-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

LEDsi lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. – Safety specifications

Lampes à LEDsi pour l'éclairage général fonctionnant à des tensions d'alimentation ne dépassant pas 50 V en courant alternatif efficace ou 120 V en courant continu lisse – Spécifications de sécurité

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LEDsi LAMPS FOR GENERAL LIGHTING SERVICES WITH SUPPLY VOLTAGES NOT EXCEEDING 50 V A.C. R.M.S. OR 120 V RIPPLE FREE D.C. – SAFETY SPECIFICATIONS

FOREWORD

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International Standard IEC 62838 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment

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

FDIS	Report on voting
34A/1852/FDIS	34A/1869/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.

In this standard, the following print types are used:

– requirements proper: in roman type

– *test specifications: in italic type*

– notes: in small roman type

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

This standard provides the requirements and conditions of compliance for the safety of semi-integrated LED lamps with supply voltages equal to or less than 50 V a.c. r.m.s. or equal to or less than 120 V ripple free d.c.

The establishing of this standard does not exclude a future relocation as a sub-part of IEC 60968, self-ballasted lamps, or a merging with the standard for self-ballasted LED lamps with supply voltages greater than 50 V.