SLOVENSKI STANDARD
SIST EN 60810:2015

01-junij-2015

Nadomešča:
SIST EN 60810:2004
SIST EN 60810:2004/A1:2008
SIST EN 60810:2004/A2:2014

Sijalke za cestna vozila - Tehnične zahteve (IEC 60810:2014)

Lamps for road vehicles - Performance requirements

Lampen für Straßenfahrzeuge - Anforderungen an die Arbeitsweise

Ta slovenski standard je istoveten z: **EN 60810:2015**

ICS:

29.140.20	Žarnice z žarilno nitko	Incandescent lamps
43.040.20	Naprave za osvetlitev, signalizacijo in opozarjanje	Lighting, signalling and warning devices

SIST EN 60810:2015 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60810

March 2015

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Supersedes EN 60810:2003

English Version

Lamps for road vehicles - Performance requirements (IEC 60810:2014)

Lampes pour véhicules routiers - Exigences de performances (IEC 60810:2014)

Lampen für Straßenfahrzeuge - Anforderungen an die Arbeitsweise (IEC 60810:2014)

This European Standard was approved by CENELEC on 2015-01-20. 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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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

Foreword

The text of document 34A/1797/FDIS, future edition 4 of IEC 60810, 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 60810:2015.

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) 2015-10-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-01-20

This document supersedes EN 60810:2003.

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Endorsement notice

The text of the International Standard IEC 60810:2014 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 60068-2-20	NOTE	Harmonized as EN 60068-2-20.
IEC 60068-2-47	NOTE	Harmonized as EN 60068-2-47.
IEC 60682	NOTE	Harmonized as EN 60682.

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 60050	series	International electrotechnical vocabulary	-	-
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 60068-2-6	1995	Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995
IEC 60068-2-14	-	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN 60068-2-14	-
IEC 60068-2-43	-	Environmental testing - Part 2-43: Tests - Test Kd: Hydrogen sulphide test for contacts and connections	EN 60068-2-43	-
IEC 60068-2-60	-	Environmental testing - Part 2: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	-
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60809	2014	Lamps for road vehicles - Dimensional, electrical and luminous requirements	EN 60809	2015
CISPR 25	-	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers	EN 55025	-

Publication	Year	Title	EN/HD	Year
UNECE 1958 Agreement	-	Agreement concerning the adoption of uniform technical prescription for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions	-	-
UNECE 38	-	1958 Agreement, Addendum 37: Regulation No. 38: Uniform provisions concerning the approval of rear fog lamps for power-driven vehicles and their trailers	-	-
UNECE 48	-	1958 Agreement, Addendum 47: Regulation No. 48: Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices	-	-
UNECE 101	-	1958 Agreement, Addendum 100: Regulation No. 101: Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range, and of categories M_1 and N_1 vehicles powered by an electric power train only with regard to the measurement of electric energy consumption and electric range	-	-
UNECE 123	-	1958 Agreement, Addendum 122: Regulation No. 123: Uniform provisions concerning the approval of adaptive front lighting systems (AFS) for motor vehicles	-	-
UNECE 128	-	1958 Agreement, Addendum 127: Regulation No. 128: Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers	-	-
JESD22-A100D	-	Cycled temperature humidity bias life test	-	-
JESD22-A101C	-	Steady-state temperature humidity bias life test	-	-
JESD22-A104D	-	Temperature cycling	-	-
JESD22-A105C	-	Power and temperature cycling	-	-
JESD22-A106B	-	Thermal shock	-	-
JESD22-A108D	-	Temperature, bias, and operating life	-	-
JESD22-A113F	-	Preconditioning of plastic surface mount devices prior to reliability testing	-	-

Publication	Year	Title	EN/HD	Year
JESD22-A115C	-	Electrostatic discharge (ESD) sensitivity testing machine model (MM)	-	-
JESD22-B101B	-	External visual	-	-
JESD22-B103B	-	Vibration, variable frequency	-	-
JESD22-B106D	-	Resistance to solder shock for through-hole mounted devices	-	-
JESD22-B110B	-	Mechanical shock - Component and subassembly	-	-
JESD51-50	2012-04	Overview of methodologies for the thermal measurement of single- and multi-chip, single- and multi-pn-junction light-emitting diodes (LEDs)	-	-
JESD51-51	2012-04	Implementation of the electrical test method for the measurement of real thermal resistance and impedance of light-emitting diodes with exposed cooling surface	-	-
JESD51-52	2012-04	Guidelines for combining CIE 127-2007 total flux measurements with thermal measurements of LEDs with exposed cooling surface	-	-
JESD51-53	2012-05	Terms, definitions and units glossary for LED thermal testing	-	-
IPC/ECA J-STD-002C	-	Solderability tests for component leads, terminations, lugs, terminals and wires	-	-
ANSI/ESDA/JEDEC JS-001	2012	JEDEC/ESDA joint standard for electrostatic discharge sensitivity test - Human body model (HBM) - Component level	-	-

IEC 60810

Edition 4.0 2014-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Lamps for road vehicles – Performance requirements

Lampes pour véhicules routiers – Exigences de performances

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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LAMPS FOR ROAD VEHICLES – PERFORMANCE REQUIREMENTS

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60810 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This fourth edition cancels and replaces the third edition, published in 2003, its Amendments 1 (2008) and 2 (2013). This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) introduction of new gas discharge light sources;

b) introduction of requirements for non-replaceable filament lamps;

c) introduction of requirements and test conditions for LED packages.