



**SLOVENSKI STANDARD**  
**SIST EN 60598-2-11:2013/A1:2022**

**01-november-2022**

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**Svetilke - 2-11. del: Posebne zahteve - Svetilke za akvarije - Dopolnilo A1 (IEC 60598-2-11:2013/AMD1:2022)**

Luminaires - Part 2-11: Particular requirements - Aquarium luminaires (IEC 60598-2-11:2013/AMD1:2022)

Leuchten - Teil 2-11: Besondere Anforderungen - Aquarienleuchten (IEC 60598-2-11:2013/AMD1:2022)

Luminaires - Partie 2-11: Exigences particulières - Luminaires pour aquarium (IEC 60598-2-11:2013/AMD1:2022)

**Ta slovenski standard je istoveten z: EN 60598-2-11:2013/A1:2022**

**ICS:**

29.140.40	Svetila	Luminaires
97.180	Razna oprema za dom in trgovino	Miscellaneous domestic and commercial equipment

**SIST EN 60598-2-11:2013/A1:2022**      **en**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60598-2-11:2013/A1**

September 2022

ICS 29.140.40

English Version

**Luminaires - Part 2-11: Particular requirements - Aquarium  
luminaires  
(IEC 60598-2-11:2013/AMD1:2022)**

Luminaires - Partie 2-11: Exigences particulières -  
Luminaires pour aquarium  
(IEC 60598-2-11:2013/AMD1:2022)

Leuchten - Teil 2-11: Besondere Anforderungen -  
Aquarienleuchten  
(IEC 60598-2-11:2013/AMD1:2022)

This amendment A1 modifies the European Standard EN 60598-2-11:2013; it was approved by CENELEC on 2022-08-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 60598-2-11:2013/A1:2022 (E)****European foreword**

The text of document 34D/1612/CDV, future IEC 60598-2-11/AMD1, prepared by SC 34D "Luminaires" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60598-2-11:2013/A1:2022.

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) 2023-05-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-08-08

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

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

**Endorsement notice**

<https://standards.iteh.ai/catalog/standards/sist/0e05d3e2-fa9d-4dfa-a907-64b736c89f45/sist-en-60598-2-11-2013-a1-2022>

The text of the International Standard IEC 60598-2-11:2013/AMD1:2022 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where 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](http://www.cenelec.eu).

*Replace the following reference:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60598-1	-	Luminaires - Part 1: General requirements and tests	EN IEC 60598-1	2021

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN 60598-2-11:2013/A1:2022

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## Annex ZZ (informative)

### Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

**Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
<b>1. General conditions</b>		
a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;	11.6	
b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;	All	
c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.	See item 2 and 3 of this table	
<b>2. Protection against hazards arising from the electrical equipment</b>		
Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:		
a) persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	11.7 11.8 11.9 11.10 11.11 11.12 11.15	

b) temperatures, arcs or radiation which would cause a danger, are not produced;	11.7 11.8 11.13 11.15	
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	11.7 11.8	
d) the insulation is suitable for foreseeable conditions.	11.8 11.14 11.15	
<b>3. Protection against hazards which may be caused by external influences on the electrical equipment</b>		
Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment:		
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	11.6 11.7	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	11.14 11.16	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	11.7 11.13 11.16	

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.







IEC 60598-2-11

Edition 2.0 2022-07

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Luminaire –**  
**Part 2-11: Particular requirements – Aquarium luminaire**

**Luminaire –**  
**Partie 2-11: Exigences particulières – Luminaire pour aquarium**

<https://standards.iteh.ai/catalog/standards/sist/0e05d3e2-fa9d-4dfa-a907-64b736c89f45/sist-en-60598-2-11-2013-a1-2022>

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LUMINAIRES –

## Part 2-11: Particular requirements – Aquarium luminaires

## AMENDMENT 1

## 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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- 9) Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to IEC 60598-2-11:2013 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lighting.

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

Draft	Report on voting
34D/1612/CDV	34D/1632/RVC

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

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available