



SLOVENSKI STANDARD

SIST EN 60598-2-19:1995

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Svetilke - 2. del: Posebne zahteve - 19. oddelek: Prezračevalne svetilke (varnostne zahteve)

Luminaire - Part 2: Particular requirements - Section 19: Air-handling luminaires (safety requirements)

Leuchten - Teil 2: Besondere Anforderungen - Hauptabschnitt 19: Luftführende Leuchten (Sicherheitsanforderungen)

Luminaire - Partie 2: Règles particulières - Section 19: Luminaires à circulation d'air (règles de sécurité)

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Ta slovenski standard je istoveten z: EN 60598-2-19:1989

ICS:

29.140.40

Svetila

Luminaire

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en

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EUROPEAN STANDARD

EN 60 598-2-19

NORME EUROPEENNE

January 1989

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ENGLISH VERSION

LUMINAIRES

PART 2: PARTICULAR REQUIREMENTS

SECTION NINETEEN - AIR-HANDLING LUMINAIRES (SAFETY REQUIREMENTS)

(IEC 598-2-19 (1981) ed 1 + Amdt 1 (1987), modified)

Luminaires

Deuxième partie: Règles particulières

Section dix-neuf - Luminaires à circulation d'air (règles de sécurité)

(CEI 598-2-19 (1981) ed 1 + Amdt 1 (1987), modifiée)

Leuchten

Teil 2: Besondere Anforderungen

Hauptabschnitt neunzehn - Luftführende Leuchten (Sicherheitsanforderungen)

(IEC 598-2-19 (1981) Ausg. 1 + Amdt 1 (1987), modifiziert)

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This European Standard was ratified by CENELEC on 1988-09-13 . CENELEC members are bound to comply with the requirements of the 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 CENELEC Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French and German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to CENELEC Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, 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 Bréderode 2, B-1000 Brussels

BRIEF HISTORY

The CENELEC Questionnaire Procedure performed for finding out whether or not IEC 598-2-19 (first edition - 1981) as amended by Amendment No. 1 (1987) could be accepted without textual changes, has shown that some common modifications were necessary for acceptance as European Standard (EN). The Reference Document modified by common modifications prepared by TC 34Z was submitted to the CENELEC members for formal vote and acceptance by CENELEC.

TECHNICAL TEXT

The text of the International Standard IEC 598-2-19 (first edition - 1981) as amended by Amendment No. 1 (1987) with common modifications was approved by CENELEC on 1988-09-13 as a European Standard.

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given only for information.

In this European Standard:

- Annex ZA is normative;
- Annex ZB is informative.

The following dates were fixed:

- date of announcement (doa) : 1989-04-01
- date of latest publication (dop) : 1989-10-01
- date of withdrawal of conflicting national standard (dow) : 1990-04-01

ENDORSEMENT NOTICE

IEC 598-2-19 (first edition, 1981) as amended by Amendment No. 1 (1987) applies taking into account the following common modifications.

Clause No. of R D	Clause heading	Common modifications	Justification
19.6	Construction	Sub-clause 19.6.2. Delete the note.	Not applicable in CENELEC countries.
19.10	External and internal wiring	<p>Sub-clause 19.10.1. Delete the first paragraph and substitute the following:</p> <p>'Flexible cables and cords used as a means of connection to the supply, when supplied by the luminaire manufacturer, shall be at least equal in their mechanical and electrical properties to those specified in Harmonization Documents HD 21 S2 and HD 22 S2 and shall be capable of withstanding without deterioration the highest temperature to which they may be exposed under normal conditions of use.'</p>	To comply with the provisions of HD 21 S2 and HD 22 S2.
19.12	Endurance tests and thermal tests	Sub-clause 19.12.2.1. In the first paragraph delete the reference to 'IEC Publication 227' and substitute 'Harmonization Document HD 21 S2'.	To comply with the provisions of HD 21 S2.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD

When the international publication has been modified by CENELEC common modifications (mod = modified by CENELEC common modifications) the relevant EN/HD applies.

IEC Publications	EN/HD	Date of issue of EN/HD
598-1, mod Luminaires - Part 1: General requirements and tests	EN 60 598-1	Sliding; latest edition

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ANNEX ZB (informative)

NATIONAL DEVIATIONS

The following national deviations are designated A-deviations, which means:

A-deviation: A national deviation due to regulations, the alteration of which is - at least for the time being - outside the competence of the CEN/CENELEC member.

Clause in EN 60 598-2-19	National deviation
19.6.2	<u>Finland. Resolution No. 205/74, Clause 37</u> The requirements in the note to Sub-clause 19.6.2 in IEC 598-2-19 apply.

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
598-2-19**

Première édition
First edition
1981

Luminaire

Deuxième partie:

Règles particulières

Section dix-neuf: Luminaire à circulation d'air
(règles de sécurité)

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Luminaire

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Part 2:

Particular requirements

Section Nineteen: Air-handling luminaire
(safety requirements)

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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CONTENTS

	Page
FOREWORD	5
PREFACE	5
 Clause	
19.1 Scope	7
19.2 General test requirements	7
19.3 Definitions	7
19.4 Classification of luminaires	7
19.5 Marking	7
19.6 Construction	9
19.7 Creepage distances and clearances	11
19.8 Provision for earthing	11
19.9 Terminals	11
19.10 External and internal wiring	11
19.11 Protection against electric shock	11
19.12 Endurance tests and thermal tests	13
19.13 Resistance to dust and moisture	15
19.14 Insulation resistance and electric strength	15
19.15 Resistance to heat, fire and tracking	15
FIGURES	16
APPENDIX A – Explanation of t_a in respect of air-handling luminaires	19

SIST EN 60598-2-19:1995

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES

Part 2: Particular requirements

Section Nineteen – Air-handling luminaires (safety requirements)

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

PREFACE

This publication has been prepared by Sub-Committee 34D: Luminaires, of IEC Technical Committee No. 34: Lamps and Related Equipment. It is one section of the multi-section Publication 598 which is intended to replace IEC Publication 162: Luminaires for Tubular Fluorescent Lamps, and which introduces requirements for other luminaires.

A first draft was discussed at the meeting held in Brussels in 1977. As a result of this meeting, a draft, Document 34D(Central Office)60, was submitted to National Committees for approval under the Six Months' Rule in May 1979.

The National Committees of the following countries voted explicitly in favour of publication:

Egypt	Norway
Finland	Poland
Germany	Romania
Ireland	South Africa (Republic of)
Israel	Sweden
Italy	Switzerland
Japan	United Kingdom
Netherlands	United States of America

This publication should be read in conjunction with IEC Publication 598-1: Luminaires, Part 1: General Requirements and Tests.

Other IEC publications quoted in this standard:

Publication Nos. 227: Polyvinyl Chloride Insulated Cables of Rated Voltages up to and Including 450/750 V.

245: Rubber Insulated Cables of Rated Voltages up to and Including 450/750 V.

LUMINAIRES

Part 2: Particular requirements

Section Nineteen – Air-handling luminaires (safety requirements)

19.1 Scope

This section of Part 2 of IEC Publication 598 specifies safety requirements for air-handling luminaires for use with a ventilation duct or ventilated space (plenum), for use with tubular fluorescent lamps on supply voltages not exceeding 1 000 V. It is to be read in conjunction with those sections of Part 1 to which reference is made.

Attention is drawn to the fact that this section specifies only the safety aspects of air-handling luminaires; no requirements are specified at present for performance aspects.

Notes 1. – The expressions “ventilation” and “ventilated” in this section refer to forced ventilation.

2. – No requirements are specified at present in this section for the use of tungsten filament lamps and discharge lamps other than tubular fluorescent lamps.

19.2 General test requirements

The provisions of Section Zero of IEC Publication 598-1: Luminaires, Part 1: General Requirements and Tests, 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.

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19.3 Definitions

For the purposes of this section, the definitions of Section One of Publication 598-1 apply together with the following definitions:

1) *Air-handling luminaire*

A luminaire specially designed for use in association with an air conditioning system.

Note. – The air may pass either through the lamp chamber or through separate passages.

2) *Static operation*

Operation of a luminaire when not handling either forced supply or extract air but permitting convection.

19.4 Classification of luminaires

The provisions of Section Two of Publication 598-1 apply, except that air-handling luminaires shall be of Class I, Class II, or Class III only.

19.5 Marking

The provisions of Section Three of Publication 598-1 apply, together with the requirements of Sub-clauses 19.5.1 to 19.5.4.