



**SLOVENSKI STANDARD**  
**SIST EN 61228:2001**  
**01-marec-2001**

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**Method of measuring and specifying the UV-radiation of ultraviolet lamps used for sun-tanning**

Method of measuring and specifying the UV-radiation of ultraviolet lamps used for sun-tanning

Verfahren zur Messung und Festlegung der UV-Strahlung von UV-Lampen für Bräunungszwecke

Méthode de mesure et de spécification du rayonnement UV des lampes à ultraviolet utilisées pour le bronzage de la peau

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**Ta slovenski standard je istoveten z: EN 61228:1994**

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**ICS:**

17.240	Merjenje sevanja	Radiation measurements
29.140.30	Fluorescent lamps. Discharge lamps	Fluorescent lamps. Discharge lamps
97.170	Oprema za nego telesa	Body care equipment

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**en**

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EUROPEAN STANDARD

EN 61228

NORME EUROPEENNE

EUROPÄISCHE NORM

September 1994

ICS 29.140.30

Descriptors: Household electrical appliance, skin treatment appliance  
U.V. lamps, definition, measurement, test condition

## ENGLISH VERSION

Method of measuring and specifying the  
UV-radiation of ultraviolet lamps used  
for sun-tanning  
(IEC 1228:1993)

Méthode de mesure et de  
spécification du rayonnement UV  
des lampes à ultraviolet  
utilisées pour le bronzage de  
la peau  
(CEI 1228:1993)

Verfahren zur Messung und  
Festlegung der UV-Strahlung von  
UV-Lampen für  
Bräunungszwecke  
(IEC 1228:1993)

This European Standard was approved by CENELEC on 1994-07-05.  
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,  
Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,  
Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC** SIST EN 61228:2001

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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 CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1228:1993 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61228 on 5 July 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-07-15
- latest date of withdrawal of conflicting national standards (dow) 1995-07-15

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A and ZA are normative.

### ENDORSEMENT NOTICE

The text of the International Standard IEC 1228:1993 was approved by CENELEC as a European Standard without any modification.

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## ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT 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.

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

IEC Publication	Date	Title	EN/HD	Date
50(845)	1987	International Electrotechnical Vocabulary (IEV) Chapter 845: Lighting	-	-
335-2-27	1987	Safety of household and similar electrical appliances	EN 60335-2-27	1992
+ A1	1989		A2	1992
A2	1991	Part 2: Particular requirements for ultra-violet and infra-red radiation skin treatment appliances for household	A51	1994

## Other publication:

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CIE No. 63:1984 - The spectroradiometric measurement of light sources

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC  
1228**

Première édition  
First edition  
1993-04

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Numéro de référence  
Reference number  
CEI/IEC 1228: 1993

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**METHOD OF MEASURING AND SPECIFYING  
THE UV-RADIATION OF ULTRAVIOLET LAMPS  
USED FOR SUN-TANNING**

## 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 cooperation 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, 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.
- 3) They have the form of recommendations for international use published in the form of standards, 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.

International Standard IEC 1228 has been prepared by sub-committee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

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

DIS	Report on Voting
34A(CO)615	34A(CO)674

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

Annex A forms an integral part of this standard.

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