

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fluorescent ultraviolet lamps used for tanning – Measurement and specification method

Lampes fluorescentes à ultraviolet utilisées pour le bronzage – Méthode de mesure et de spécification



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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 General test conditions.....	7
4.1 Ageing.....	7
4.2 Operating position	7
4.3 Ambient temperature	7
4.4 Test voltage.....	7
4.5 Ballast.....	7
5 Test requirements	7
5.1 General.....	7
5.2 Spectroradiometric measuring system	7
6 Measurement and evaluation procedure	8
6.1 Measurement	8
6.2 Calculation of the total effective UV irradiance	8
6.3 Correction factors.....	8
7 Lamp specification.....	9
8 Lamp marking.....	9
Annex A (normative) Determination of the optimum UV irradiance of fluorescent UV lamps.....	11
Annex B (normative) Ultraviolet action spectra.....	12
Figure B.1 – UV action spectra for erythema and NMSC.....	12
Table B.1 – Weighting factors $S(\lambda)$ for the erythema and the NMSC action spectrum	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FLUORESCENT ULTRAVIOLET LAMPS USED FOR TANNING – MEASUREMENT AND SPECIFICATION METHOD

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International Standard IEC 61228 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

This second edition cancels and replaces the first edition published in 1993 and its Amendment 1 (1996). It constitutes a technical revision.

In this second edition, an equivalency code for the lamps is introduced. This equivalency code characterises the spectral energy distribution and is to be applied when replacing lamps in tanning equipment.

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

FDIS	Report on voting
34A/1242/FDIS	34A/1266/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.

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

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

FLUORESCENT ULTRAVIOLET LAMPS USED FOR TANNING – MEASUREMENT AND SPECIFICATION METHOD

1 Scope

This International Standard describes the method of measuring, evaluating and specifying the characteristics of fluorescent ultraviolet lamps that are used in appliances for tanning purposes. It includes specific requirements regarding the marking of such lamps.

These recommendations relate only to type testing.

2 Normative references

The following referenced documents are indispensable for the application 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.

IEC 60050-845:1987, *International Electrotechnical Vocabulary (IEV) – Chapter 845: Lighting*

IEC 60081, *Double-capped fluorescent lamps – Performance specifications*

IEC 60901, *Single-capped fluorescent lamps – Performance specifications*

IEC 60335-2-27, *Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation*

CIE 63:1984, *The spectroradiometric measurement of light sources*

IEC 62471, *Photobiological safety of lamps and lamp systems*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

ultraviolet lamp

lamp which radiates especially strongly in the ultraviolet, the visible radiation produced, if any, not being of direct interest

[IEV 845-07-52]

3.2

fluorescent lamp

discharge lamp of the low-pressure mercury type in which most of the light is emitted by one or several layers of phosphors excited by the ultraviolet radiation from the discharge

[IEV 845-07-26]