



**NSAI**  
Standards

Irish Standard  
I.S. EN 60335-2-27:2013&A1:2020

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

**I.S. EN 60335-2-27:2013&A1:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

EN 60335-2-27:2013/A1:2020

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 60335-2-27:2013&A1:2020 is the adopted Irish version of the European Document EN 60335-2-27:2013, Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60335-2-27:2013/A1**

April 2020

ICS 13.120; 97.170

English Version

**Household and similar electrical appliances - Safety - Part 2-27:  
Particular requirements for appliances for skin exposure to  
ultraviolet and infrared radiation  
(IEC 60335-2-27:2009/A1:2012 , modified)**

Appareils électrodomestiques et analogues - Sécurité -  
Partie 2-27: Règles particulières pour les appareils  
d'exposition de la peau aux rayonnements ultraviolets et  
infrarouges  
(IEC 60335-2-27:2009/A1:2012 , modifiée)

Sicherheit elektrischer Geräte für den Hausgebrauch und  
ähnliche Zwecke - Teil 2-27: Besondere Anforderungen für  
Hautbestrahlungsgeräte mit Ultraviolett- und  
Infrarotstrahlung  
(IEC 60335-2-27:2009/A1:2012 , modifiziert)

This amendment A1 modifies the European Standard EN 60335-2-27:2013; it was approved by CENELEC on 2020-02-12. 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, Turkey 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 60335-2-27:2013/A1:2020 (E)**

**European foreword**

The text of document 61/4444/FDIS, future IEC 60335-2-27/A1, prepared by IEC/TC 61 "Safety of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60335-2-27:2013/A1:2020.

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) 2020-11-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-02-12

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 mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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

**Endorsement notice**

The text of the International Standard IEC 60335-2-27:2009/A1:2012 was approved by CENELEC as a European Standard without any modification.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60335-2-27**

December 2013

ICS 13.120; 97.170

Supersedes EN 60335-2-27:2010

English version

**Household and similar electrical appliances -  
Safety -  
Part 2-27: Particular requirements for appliances for skin exposure to  
ultraviolet and infrared radiation  
(IEC 60335-2-27:2009, modified)**

Appareils électrodomestiques et  
analogues -  
Sécurité -  
Partie 2-27: Règles particulières pour les  
appareils d'exposition de la peau aux  
rayonnements ultraviolets et infrarouges  
(CEI 60335-2-27:2009, modifiée)

Sicherheit elektrischer Geräte für den  
Hausgebrauch und ähnliche Zwecke -  
Teil 2-27: Besondere Anforderungen für  
Hautbestrahlungsgeräte mit Ultraviolett-  
und Infrarotstrahlung  
(IEC 60335-2-27:2009, modifiziert)

This European Standard was approved by CENELEC on 2013-05-29. 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.

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**CENELEC**

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

This document EN 60335-2-27:2013 consists of the text of IEC 60335-2-27:2009 prepared by IEC TC 61, "Safety of household and similar electrical appliances", together with the common modifications prepared by the Technical Committee CENELEC TC 61, "Safety of household and similar electrical appliances".

EN 60335-2-27:2013 is based on IEC 60335-2-27:2009, modifying it to fulfil the SCCP requirements for these appliances and to incorporate existing common modifications and interpretation statements.

The following dates are fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2014-06-13
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2014-11-21

This document supersedes EN 60335-2-27:2010.

The principal changes in EN 60335-2-27:2013 as compared with EN 60335-2-27:2010 are as follows (minor changes are not listed):

- clarification of the radiation measurement procedure (32.101);
- guidelines for an exposure time schedule (Annex DD).

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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



## Endorsement Notice

The text of the International Standard IEC 60335-2-27:2009 was approved by CENELEC as a European Standard with the following agreed common modifications:

### COMMON MODIFICATIONS

## Introduction

**Add after the second paragraph:**

This standard covers appliances used for intentional tanning. Irradiance limit values are not to be used as safety guidelines for non-intentional UV-exposure.

**Add after the seventh paragraph:**

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 2006/95/EC. For products having mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 2006/42/EC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.

## 6 Classification

**Replace 6.101 by:**

**6.Z101** Appliances shall be one of the following types with respect to the type of ultraviolet radiation:

- **UV type 1 appliance;**
- **UV type 2 appliance;**
- **UV type 3 appliance;**
- **UV type 4 appliance.**

*Compliance is checked by inspection and by the relevant tests.*

NOTE **UV type 1 appliances** and **UV type 2 appliances** are intended to be used in tanning salons, beauty parlours and similar premises, under supervision of appropriately trained persons.

**UV type 3** appliances are suitable for household and similar use and may be used by unskilled persons. They are also suitable for use in tanning salons, beauty parlours and similar premises **UV type 4 appliances are only to be used following medical advice and only intended to be used in tanning salons, beauty parlours and similar premises, under supervision of appropriately trained persons, and not for household use**

## 7 Marking and instructions

**7.1 Replace the first paragraph by:**

Appliances having **UV emitters** shall be marked with the appropriate UV type number in the following form:

UV type X

NOTE Z101 X is replaced by the appropriate number.

**Add after Note 102:**

**UV type 4 appliances** shall be marked with the substance of the following:

WARNING: Only to be used following medical advice.

**Delete 7.6**

**7.12 Addition:**

**Replace the fifth bullet point by:**

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