AS/NZS 60335.2.27:2004 IEC 60335-2-27 Ed 4.2, IDT (Incorporating Amendment Nos 1 and 2)

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation





AS/NZS 60335.2.27:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 18 March 2004 and on behalf of the Council of Standards New Zealand on 26 March 2004.

This Standard was published on 31 May 2004.

The following are represented on Committee EL-002:

Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association New Zealand
Consumer Electronic Suppliers Association, Australia
Electrical regulatory authorities, Australia
Electrical test laboratories
Electrical consultants
Electricity Supply Association of Australia
Institution of Engineers Australia
Metal Trades Industries Association of Australia
Ministry of Consumer Affairs, New Zealand

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 03948.

AS/NZS 60335.2.27:2004 (Incorporating Amendment Nos 1 and 2)

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation

Originated in Australia as AS 3315—1992.
Originated in New Zealand as NZS 6327:1992.
Jointly revised and redesignated AS/NZS 3350.2.27:1996.
Jointly revised and redesignated AS/NZS 60335.2.27:2004.
Reissued incorporating Amendment No. 1 (June 2005).
Reissued incorporating Amendment No. 2 (November 2007).

COPYRIGHT

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 6145 3

CONTENTS

FΟ	REWORD	4
INT	RODUCTION	6
1	Scope	7
2	Normative references	7
3	Definitions	8
4	General requirement	8
5	General conditions for the tests	8
6	Classification	8
7	Marking and instructions	9
8	Protection against access to live parts	12
9	Starting of motor-operated appliances	12
10	Power input and current	12
11	Heating	12
12	Void	13
13	Leakage current and electric strength at operating temperature	13
14	Transient overvoltages	13
15	Moisture resistance	13
16	Leakage current and electric strength	13
17	Overload protection of transformers and associated circuits	13
18	Endurance	13
19	Abnormal operation	13
20	Stability and mechanical hazards	14
21	Mechanical strength	14
22	Construction	15
23	Internal wiring	18
24	Components	18
25	Supply connection and external flexible cords	18
26	Terminals for external conductors	18
27	Provision for earthing	19
28	Screws and connections	19
29	Clearances, creepage distances and solid insulation	19
30	Resistance to heat and fire	19
31	Resistance to rusting	19
32	Radiation toxicity and similar hazards	19

	Annexes	24
	Annex AA (normative) Measurement of luminance	24
A1	Annex BB (informative) Detailed classification of UV appliances	25
2	Annex CC (informative) Fluorescent UV lamp equivalency code	27
	Annex ZZ (informative) Variations to IEC 60335-2-27 Ed 4.2 for application in Australia and New Zealand	29
	Bibliography	28
	Figure 101 – UV action spectrums	22
	Table 102 – Maximum transmission of the goggles	
	Table BB.1 – Limits of effective irradiance	26



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation