AS/NZS IEC 62471.2:2012 IEC/TR 62471-2, Ed. 1.0 (2009) Reconfirmed 2024

Australian/New Zealand Standard™

Photobiological safety of lamps and lamp systems

Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety





AS/NZS IEC 62471.2:2012

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-019, Personal Protection Against Laser Radiation. It was approved on behalf of the Council of Standards Australia on 16 February 2012 and on behalf of the Council of Standards New Zealand on 16 February 2012. This Standard was published on 12 March 2012.

The following are represented on Committee SF-019:

Australasian Faculty of Occupational and Environmental Medicine Australian Dental Association Defence Materiel Organisation, Australia Defence Science and Technology Organisation Electronics Industry Association National Radiation Laboratory, New Zealand Royal Australian and New Zealand College of Ophthalmologists Safety Institute of Australia Telecom New Zealand Telstra Corporation University of New South Wales at the Australian Defence Force Academy

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This Standard was issued in draft form for comment as DR AS/NZS IEC 62471.2.

AS/NZS IEC 62471.2:2012 (Reconfirmed) 2024-08-30

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS IEC 62471.2:2012 Photobiological safety of lamps and lamp systems Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety

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Technical Committee SF-019 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 02 March 2023.

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The following are represented on Technical Committee SF-019:

Australian Dental Association Inc Australian Radiation Protection and Nuclear Safety Agency Capability and Sustainment Group (Australian Government) Chorus New Zealand Ltd Department of Defence (Australian Government) Spark University of Auckland (New Zealand)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-019, Personal Protection Against Laser Radiation.

The objectives of this Standard are as follows:

- (a) To provide, in the context of risk group classifications defined in AS/NZS IEC 62471:2011, the basis for optical radiation safety requirements of non-laser products, serving as a guide for development of safety requirements in vertical product standards and assisting lamp system manufacturers in the interpretation of safety information provided by the lamp manufacturers.
- (b) To provide guidance on the requirements for optical radiation safety assessment, the allocation of safety measures and the labelling of products.
- (c) To ensure the hazards associated with lamps and lamps systems are adequately managed by provision of examples of safety requirements based on the assigned risk group of a product including the use of labels and instructions to provide necessary safety information.

This Standard is identical with, and has been reproduced from, IEC/TR 62471-2, Ed. 1.0 (2009), *Photobiological safety of lamps and lamp systems*— Part 2: *Guidance on manufacturing requirements relating to non-laser optical radiation safety*.

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| Reference to International Standard | | | | | Australian/New Zealand Standard | | |
|-------------------------------------|-------------------------------------|---------|-----|-----|---------------------------------|---|--|
| IEC 62471 | Photobiological safety of lamps and | | | | nd | AS/NZS IEC 62471 Photobiological safety of lamps and | |
| 02171 | lamp systems | | | | | 021/1 | lamp systems |
| 60825 | Safety of laser products | | | | | 60825 | Safety of laser products |
| 60417 | Graphical equipment | symbols | for | use | on | AS 60417 | Graphical symbols for use on equipment |

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