

Australian/New Zealand Standard™

Interior and workplace lighting

Part 2.2: Specific applications—Office and screen-based tasks



AS/NZS 1680.2.2:2008

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The following are represented on Committee LG-001:

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Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Energy Efficiency & Conservation Authority of New Zealand
Engineers Australia
IES: The Lighting Society
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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee LG-001, Interior and Workplace Lighting to supersede AS 1680.2.2—1994, *Interior lighting—Office and screen-based tasks*.

This Standard forms Part 2.2 of the AS/NZS 1680 series, which covers lighting of interiors and workplaces. It is intended to be read in conjunction with the general recommendations and requirements of AS/NZS 1680.1, and the structures of the two Standards are closely aligned to facilitate this. It is also noted that, in many cases, parts of various other Standards in the AS/NZS 1680 series will also be applicable, depending on the nature of the building and the visual tasks involved.

The AS/NZS 1680 series currently consists of the following:

AS/NZS

1680	Interior and workplace lighting
1680.0	Part 0: Safe movement
1680.1	Part 1: General principles and recommendations
1680.2.1	Part 2.1: Specific applications—Circulation spaces and other general areas
1680.2.2	Part 2.2: Specific applications—Office and screen-based tasks (this Standard)
1680.2.3	Part 2.3: Specific applications—Educational and training facilities
1680.2.4	Part 2.4: Industrial tasks and processes
1680.2.5	Part 2.5: Hospital and medical tasks
1680.3	Part 3: Measurement, calculation and presentation of photometric data
1680.4	Part 4: Maintenance of electric lighting systems

NOTE: Until the revision of this series is complete, some of the above Standards might have, as a main title, 'Interior lighting'.

The significant changes that have been made in this Standard in relation to the previous publication include the following:

- (a) Updating in line with the replacement of white-on-black CRT screens with coloured screens capable of producing a light-coloured background and flat, matt-finish screens.
- (b) Additional information in relation to glare.
- (c) Alteration of the recommended maximum glare index from 16 to 19 in all applicable areas (Appendix E).

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out recommendations for the lighting of offices and similar tasks, including screen-based tasks. While the tasks may be commonly performed in interiors called 'offices', they may also be performed in other interiors; for example, reading, writing and screen-based tasks frequently occur in most types of interior workplaces.

This Standard contains material that adds to or amends the recommendations in AS/NZS 1680.1:2006 and is intended to be read in conjunction with that Standard and with any applicable specific recommendations in other Standards in the AS/NZS 1680 series.

NOTE: See Appendix E for advice on ergonomic and other factors relating to the lighting and use of screen-based equipment (SBE).

The use of this Standard without reference to AS/NZS 1680.1:2006 is a misapplication of the Standard.

1.2 APPLICATION

If any recommendation in this Standard differs from the general recommendations of AS/NZS 1680.1, the recommendation in this Standard should prevail apart from departures from the illuminance recommendations in this Standard where it should be in accordance with the clauses specifically addressing this matter in Section 3 of AS/NZS 1680.1:2006.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

3590	Screen-based workstations
3590.2	Part 2: Workstation furniture

AS/NZS

1680	Interior and workplace lighting
1680.1	Part 1: General principles and recommendations
1680.2.1	Part 2.1: Specific applications—Circulation spaces and other general areas
1680.2.3	Part 2.3: Specific applications—Educational and training facilities
2946	Suspended ceilings, recessed luminaires and air diffusers—Interface requirements for physical compatibility

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 1680.1:2006 and those below apply.

1.4.1 Screen-based equipment (SBE)

Equipment which displays information on a screen. The term includes visual display units (VDUs), microform readers and optical comparators.



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