

Australian/New Zealand Standard™

**Interior lighting**

**Part 0: Safe movement**



## **AS/NZS 1680.0:2009**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG-001, Interior and Workplace Lighting. It was approved on behalf of the Council of Standards Australia on 13 November 2009 and on behalf of the Council of Standards New Zealand on 20 November 2009.  
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The following are represented on Committee LG-001:

Australian Building Codes Board  
Engineers Australia  
IES: The Lighting Society  
Institution of Professional Engineers New Zealand  
Lighting Council of Australia  
Lighting Council of New Zealand  
Property Council of Australia  
University of Sydney

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# Australian/New Zealand Standard™

## Interior lighting

### Part 0: Safe movement

First published as AS/NZS 1680.0:1998.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-001, Interior and Workplace Lighting, to supersede AS/NZS 1680.0:1998, *Interior lighting—Safe movement*.

The objective of this Standard is to set out the minimum requirements for electric lighting systems within publicly accessible areas of buildings to provide visual conditions that facilitate the safe movement of people in the normal use of the building.

This Standard forms Part 0 of the AS/(NZS) 1680 series. Other parts in the series are as follows:

### 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
- 1680.2.2 Part 2.2: Specific applications—Office and screen-based tasks
- 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

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Interior lighting**

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**Part 0: Safe movement**

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**1 SCOPE**

This Standard sets out the minimum requirements for electric lighting systems within publicly accessible areas of buildings so as to provide visual conditions that facilitate the safe movement of people in the normal use of the building. The Standard does not apply to the provision of the visual conditions necessary for the performance of specific work tasks.

## NOTES:

- 1 Electric lighting alone, no matter how well designed, cannot provide visual conditions that will ensure safe movement. Other factors, such as the use of interior surface finishes of appropriate colour and reflectance, and the avoidance of excessive contrasts in brightness of surfaces in the field of view, e.g. windows and luminaires, can significantly enhance the visual environment for safe movement. For persons with impaired vision, additional special factors may be of importance for safe movement (see Appendix A).
- 2 General recommendations for the lighting and visual conditions necessary for the performance of work tasks are given in AS/NZS 1680.1. Recommendations appropriate to specific tasks or activities are set out in the AS/NZS 1680.2 series.
- 3 Attention is drawn to the AS(NZS) 2293 series of Standards, which set out requirements for the design, installation, operation and maintenance of emergency evacuation lighting for buildings.

**2 APPLICATION****2.1 In Australia**

The requirements of this Standard are intended to apply to classes of buildings and to the specific areas of such buildings as prescribed by the Building Code of Australia.

NOTE: Specific exemptions may be permitted where application of the lighting required by this Standard will have a detrimental effect on the function or essential character of the interior space. See the Building Code of Australia for details.

**2.2 In New Zealand**

The requirements of this Standard are intended to apply to classes of buildings and to the specific areas of such buildings as prescribed by the New Zealand Building Code.

**3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS

- |           |  |
|-----------|--|
| 1680      | Interior lighting  |
| 1680.3    | Part 3: Measurement, calculation and presentation of photometric data                    |
| 1852      | International electrotechnical vocabulary  |
| 1852(845) | Chapter 845: Lighting  |
| 1428.1    | Part 1: Design for access and mobility—General requirements for access—New building work |