

Australian/New Zealand Standard™

Interior lighting

Part 0: Safe movement

Building Code of Australia
primary referenced Standard



ABCB

Australian Building Codes Board

AS/NZS 1680.0:1998

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The following interests are represented on Committee LG/1:

Association of Consulting Engineers Australia
Australian Building Codes Board
Australian Electrical and Electronic Manufacturers Association
Department of Public Works and Services, New South Wales
Energy Efficiency and Conservation Authority of New Zealand
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Part 0: Safe movement

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG/1, Interior Lighting, in response to a request from the Australian Building Codes Board for requirements suitable for reference in the Building Code of Australia covering lighting for safe movement.

The level of lighting specified in this Standard is in close agreement with that required for the same purpose by Clause G8, 'Artificial Light', of the New Zealand Building Code.

This Standard forms part of the AS/NZS 1680 series, which will progressively replace the AS 1680 series. The existing Standards in the AS 1680 series* are to be revised and reissued as Joint Australian/New Zealand Standards within the AS/NZS 1680 series†.

The objective of this Standard is to set 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.

It should be noted that a lighting system that satisfies the requirements of this Standard will not necessarily provide an environment suited to the performance of specific work tasks, e.g. office tasks. General recommendations for the creation of visual conditions conducive to the efficient and comfortable performance of work tasks are set out in AS 1680.1. Recommendations appropriate to specific tasks and activities are set out in the AS 1680.2 and AS/NZS 1680.2 series.

The lighting specified by this Standard represents the minimum necessary for compliance with regulatory requirements; however, attention is drawn to AS 1680.2.1, which sets out recommendations for the lighting of building areas of the same general type that represent 'good practice'.

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.

* As at the date of publication of this Standard, the Standards existing in the AS 1680 series are as follows:

AS 1680.1—1990	Interior lighting—Part 1: General principles and recommendations
AS 1680.2.1—1993	Interior lighting—Part 2.1: Circulation spaces and other general areas
AS 1680.2.2—1994	Interior lighting—Part 2.2: Office and screen-based tasks
AS 1680.2.3—1994	Interior lighting—Part 2.3: Educational and training facilities
AS 1680.3—1991	Interior lighting—Part 3: Measurement, calculation, and presentation of photometric data

† As at the date of publication of this Standard, the Standards existing in the AS/NZS 1680 series are as follows:

AS/NZS 1680.0:1998	Interior lighting—Part 0: Safe movement (this Standard)
AS/NZS 1680.2.4:1997	Interior lighting—Part 2.4: Industrial tasks and processes
AS/NZS 1680.2.5:1997	Interior lighting—Part 2.5: Hospital and medical tasks

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	5
5 BASIS OF COMPLIANCE	6
6 MINIMUM ILLUMINANCE	7
7 ILLUMINANCE UNIFORMITY	7
8 LAMP COLOUR RENDERING	7
9 CONTROL OF GLARE FROM ELECTRIC LIGHTING	8
 APPENDICES	
A LIGHTING FOR THE PARTIALLY SIGHTED	9
B REDUCTION IN ILLUMINANCE OVER THE MAINTENANCE CYCLE ...	11
C MEASUREMENT OF ILLUMINANCE	12

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Interior lighting****Part 0: Safe movement**

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 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 building 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.

This Standard will be referenced in the Building Code of Australia by way of BCA Amendment 4 to be published by 1 January 1999.

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.

This Standard may be called up by the Building Industry Authority in the New Zealand Building Code Handbook, Approved Document for Clause G8, 'Artificial Light', replacing NZS 6703:1984 as a verification method of compliance with the New Zealand Building Code.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1680	Interior lighting
1680.1	Part 1: General principles and recommendations
1680.3	Part 3: Measurement, calculation and presentation of photometric data



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