

Australian/New Zealand Standard[®]

Interior lighting

Part 2.5: Hospital and medical tasks

AS/NZS 1680.2.5:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG/1, Interior Lighting. It was approved on behalf of the Council of Standards Australia on 11 August 1997 and on behalf of the Council of Standards New Zealand on 14 July 1997. It was published on 5 December 1997.

The following interests are represented on Committee LG/1:

The 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
Illuminating Engineering Society of Australia and New Zealand
Ministry of Commerce, New Zealand
Property Council of Australia
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WorkCover Authority of New South Wales

Additional interests participating in preparation of Standard:

Australian and New Zealand College of Anaesthetists
Australian Private Hospitals Association
CSIRO Division of Applied Physics
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Royal North Shore Hospital, Department of Anaesthesia
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Originated in Australia as part of AS (E) CA501—1942.
Final Australian editions AS 1765—1975, AS 2502—1981 and part of
AS 1680.2.0—1990.
Originated in New Zealand as NZSS 170—1939.
Final New Zealand edition part of NZS 6703:1984.
AS 1765—1975, AS 2502—1981 and parts of NZS 6703:1984 and AS 1680.2.0—1990
jointly revised, amalgamated and redesignated AS/NZS 1680.2.5:1997.

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
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Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG/1, Interior Lighting, to supersede (in part) AS 1680.2.0—1990*, (in full) AS 1765—1975†, (in full) AS 2502—1981‡ and (in part) NZS 6703:1984§.

This Standard is issued as a joint Australian/New Zealand Standard to form part of a new series, the AS/NZS 1680.2 series, which will progressively replace the AS 1680.2 series. Existing Standards in the AS 1680.2 series¹ are to be revised and reissued as joint Australian/New Zealand Standards under the AS/NZS 1680.2 series. Any reference to the AS/NZS 1680.2 series should, in the interim, be taken to include existing Standards in the AS 1680.2 series.

The objective of this Standard is to set out recommendations aimed at the provision of a visual environment conducive to the safe and efficient performance of tasks associated with hospitals and medical premises. It is intended to be read in conjunction with the general recommendations of AS 1680.1** and with other specific recommendations in the AS/NZS 1680.2 series which may apply, depending on the function of the interior space or the specific visual tasks involved.

This Standard parallels the structure of AS 1680.1 and contains recommendations that either add to or amend the recommendations of that Standard. While the Sections of this Standard correspond with those of AS 1680.1, the clauses within each Section are numbered consecutively and do not directly relate to the clauses in AS 1680.1.

In the preparation of this Standard reference was made to the following publications:

CIBSE Lighting Guide. *Hospitals and health care buildings*. Publication No. LG2. Chartered Institution of Building Services Engineers. London 1989.

DIN 5035 Part 3—1988. *Artificial lighting of interiors—Hospital lighting*. Deutsches Institut für Normung. Berlin.

The assistance derived from these sources is gratefully acknowledged.

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 1680.2.0—1990 Interior lighting, Part 2.0: Recommendations for specific tasks and interiors

† AS 1765—1975 Artificial lighting for clinical observation

‡ AS 2502—1981 The lighting of operating rooms

§ NZS 6703:1984 Code of practice for interior lighting design

|| As at the date of publication of this Standard, the Standards published in the AS 1680.2 series are as follows:

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 1680.1—1990 Interior lighting, Part 1: General principles and recommendations (to be revised and published as a joint Australian/New Zealand Standard)

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

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SECTION 1 SCOPE AND GENERAL

This Section of AS 1680.1 applies except as follows:

1.1 SCOPE This Standard sets out lighting recommendations for a variety of tasks carried out within hospitals and medical premises, particularly tasks associated with clinical observation, treatment and care. The recommendations also apply to related tasks, such as the visual examination of biological solutions and pathology specimens, in medical laboratories.

The Standard does not apply to institutions the primary role of which is to provide domiciliary care, e.g. nursing homes; however, the recommendations apply to areas within those institutions that are specifically intended for the administration of medical treatment, e.g. treatment rooms and first-aid rooms.

This Standard is intended to be read in conjunction with the general recommendations of AS 1680.1 and with any applicable specific recommendations in the AS 1680.2 series. In general, it contains material that either adds to or amends the recommendations in AS 1680.1. The use of this Standard without reference to AS 1680.1 is a misapplication of the Standard.

NOTE: Attention is drawn to AS 3009, which specifies requirements for emergency power supplies for standby power and lighting for hospitals.

1.2 APPLICATION The lighting system should comply with the general recommendations of AS 1680.1 and the applicable recommendations of this and other appropriate Standards in the AS 1680.2 series.

If any recommendation in this Standard differs from the general recommendations of AS 1680.1, the recommendation in this Standard should prevail.

Attention should be paid to Section 1 of AS 1680.1 with regard to the information that may be needed to correctly apply this Standard.

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

NOTE: Bibliographical references relevant to the subject of this Standard are given in Appendix E.

AS	
1169	Minimizing of combustion hazards arising from the medical use of flammable anaesthetic agents
1680	Interior lighting
1680.1	Part 1: General principles and recommendations
1680.2.2	Part 2.2: Office and screen-based tasks
1852	International electrotechnical vocabulary
1852.845	Lighting
2501	Surgical luminaires



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