AS 1680.2.2—1994

Australian Standard®

Interior lighting

Part 2.2: Office and screen–based tasks

This Australian Standard was prepared by Committee LG/1, Interior Lighting. It was approved on behalf of the Council of Standards Australia on 28 October 1993 and published on 17 January 1994.

The following interests are represented on Committee LG/1:

Australian Chamber of Commerce and Industry

Australian Electrical and Electronic Manufacturers Association

Building Owners and Managers Association of Australia

Department of Arts and Administrative Services—Australian Construction Services

Electricity Supply Association of Australia

Illuminating Engineering Society of Australia and New Zealand

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PREFACE

This Standard was prepared by the Standards Australia Committee on Interior Lighting to supersede the recommendations given in Table 4 of AS 1680.2.0—1990* and in AS 2713—1987†. It forms part of the AS 1680.2 series and has been developed to provide specific advice on the lighting of offices and related work areas, and locations within other workplaces where screen–based tasks are performed.

The Standard is intended to be read in conjunction with the general recommendations of AS 1680.1* and with other specific recommendations in the AS 1680.2 series which may apply depending on the nature of the building or the visual tasks involved. It is anticipated that the AS 1680.2 series will, when complete, comprise separate Standards covering specific recommendations for the following:

(a) Circulation spaces and other general areas (see AS 1680.2.1*).

(b) Office and screen–based tasks (this Standard—AS 1680.2.2*).

(c) Educational and training facilities (see AS 1680.2.3*).

(d) Industrial buildings and processes.

(e) Hospitals and medical premises.

This Standard maintains a parallelism with 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.

Difficulties previously experienced with unwanted reflections, contrast dilution and poor visibility associated with screen–based tasks have now been largely overcome by developments in screen display technology, e.g. CRT displays of the high resolution multicolour type. Many of the screens now incorporate etched or coated front surfaces which substantially reduce unwanted reflections.

While most of the visibility problems associated with conventional CRT displays have been overcome, these problems are reappearing with the emergence of flat–screen displays (e.g. liquid crystal and gas plasma). In addition, older forms of monochrome CRT displays and microform readers may continue to be used for some time into the future.

It is therefore important that, where operators are involved in the prolonged use of this equipment, full attention be given to the control of distracting and contrast–reducing reflections.

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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* AS
1680 Interior lighting
1680.1 Part 1: General principles and recommendations
1680.2.0 Part 2.0: Recommendations for specific tasks and interiors
1680.2.1 Part 2.1: Circulation spaces and other general areas
1680.2.2 Part 2.2: Office and screen–based tasks
1680.2.3 Part 2.3: Educational and training facilities

† 2713 Lighting and the visual environment for screen–based tasks

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