AS 1852(845)—1989 IEC 50(845)—1987

Australian Standard®

International electrotechnical vocabulary

Chapter 845: Lighting

This Australian Standard was prepared by Committee TE/13, Symbols, Units and Quantities for Electrotechnology. It was approved on behalf of the Council of Standards Australia on 21 December 1988 and published on 14 April 1989.

The following interests are represented on Committee TE/13:

Association of Consulting Engineers, Australia

Australian Electrical and Electronic Manufacturers Association

Civil Aviation Authority

Confederation of Australian Industry

Department of Administrative Services—Construction Group

Department of Defence

Department of Technical and Further Education, N.S.W., Vic. and S.A.

Electricity Supply Association of Australia

Institute of Draftsmen, Australia

Institution of Radio and Electronics Engineers, Australia

Melbourne & Metropolitan Board of Works

Queensland Chamber of Mines

Railways of Australia Committee

Royal Melbourne Institute of Technology

Telecom Australia

The technical press

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS 1852(845)—1989

Australian Standard®

International electrotechnical vocabulary

Chapter 845: Lighting

First published as AS C50(45)—1970.
(endorsement of IEC 50(45)—1970 without amendment).
Redesignated AS 1852(45)—1970.
(endorsement of IEC 50(45)—1970 without amendment).
AS 1852(45)—1970 withdrawn July 1985.
Revised and redesignated AS 1852(845)—1989.

2

PREFACE

This Standard was prepared by Standards Australia's Committee on Symbols, Units and Quantities for Electrotechnology, under the authority of both the Telecommunications and Electronics Standards Board and the Electrical Standards Board. This Standard supersedes AS 1852(45)—1970, International electrotechnical vocabulary Chapter 45: Lighting, which was withdrawn in July 1985.

This Standard is identical with and has been reproduced from IEC 50(845)—1987, International Electrotechnical Vocabulary Chapter 845: Lighting. Acknowledgement is accordingly made to the International Electrotechnical Commission for this assistance.

This Standard is one of the AS 1852 series of Standards. In the past, this series has consisted of direct endorsements of the IEC 50 series of the International Electrotechnical Vocabulary. In future, newly issued parts of IEC 50, where appropriate, will be issued as Australian Standards, i.e. not endorsements. The full text of the definitions in English, French and Russian, and for this Chapter also German, has been included as some definitions are considered to be incomplete when produced in one language.

The purpose of the AS 1852 series is to provide a glossary of terms used in electrical engineering. The series lists terms in English, French and Russian, and in some cases Spanish. It is intended that other Australian Standards will refer to AS 1852 and not repeat any definitions.

© Copyright - STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

CONTENTS

	Page
SECTION	
845-01 — RADIATION, QUANTITIES AND UNITS	. 5 . 5
845-02 — VISION, COLOUR RENDERING A THE EYE B LIGHT AND COLOUR C VISUAL PHENOMENA D COLOUR RENDERING	44 44 50 61 67
845-03 — COLORIMETRY A STIMULI B ILLUMINANTS C TRICHROMATIC SYSTEMS D CHROMATICITY E UNIFORM COLOUR SPACES	71 72 74 77 85 95
845-04 — EMISSION, OPTICAL PROPERTIES OF MATERIALS A EMISSION	101 101 115
845-05 — RADIOMETRIC, PHOTOMETRIC AND COLORIMETRIC MEASUREMENTS. PHYSICAL DETECTORS	146 146 154
845-06 — ACTINIC EFFECTS OF OPTICAL RADIATION	167
845-07 — LIGHT SOURCES	176 176 177 178 187
845-08 — COMPONENTS OF LAMPS AND AUXILIARY APPARATUS	200
A GENERAL TERMS B TYPES OF LIGHTING C TERMS USED IN LIGHTING CALCULATIONS D TERMS RELATING TO DISTANCE MEASUREMENTS	212 212 213 218 232 233 238
	249 262



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation