

Australian Standard®

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**Guide to sports lighting**

**Part 2.7: Specific  
recommendations—  
Outdoor hockey**

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This Australian Standard was prepared by Committee LG/9, Sports Lighting. It was approved on behalf of the Council of Standards Australia on 28 October 1993 and published on 14 February 1994.

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The following interests are represented on Committee LG/9:

Australian Electrical and Electronic Manufacturers Association  
Confederation of Australian Sport  
Department of Sport and Recreation, Victoria  
Department of Sport, Recreation and Racing, New South Wales  
Department of Tourism, Sport and Racing, Queensland  
Electricity Supply Association of Australia  
Illuminating Engineering Society of Australia and New Zealand  
Royal Australian Institute of Parks and Recreation  
The Association of Consulting Engineers Australia

Additional interests participating in preparation of Standard:

Australian Hockey Association

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*This Standard was issued in draft form for comment as DR 93075.*

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**RECONFIRMATION**

**OF**

**AS 2560.2.7—1994**

**Guide to sports lighting**

**Part 2.7: Specific recommendations—Outdoor hockey**

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Technical Committee LG-009 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 16 June 2017.

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Sports And Play Industry Association  
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Tennis Australia

## NOTES

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First published as AS 2560.2.7— 1994.
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PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 8727 X

## PREFACE

This Standard was prepared by the Standards Australia Committee on Sports Lighting and is one of a series of Standards (the AS 2560 series) which give advice on the subject. It is based on recommendations issued by the International Hockey Federation (FIH)\* and grateful acknowledgment is made of the assistance derived from that source.

The AS 2560 series is in two main parts. Part 1 outlines general principles and recommendations for the lighting of places, both indoors and outdoors, where sport is played; and Part 2 comprises a collection of separate Standards giving recommendations for the lighting of specific sports or sporting venues.

At the date of publication of this Standard, the following recommendations have been issued in the AS 2560.2 series:

### AS

- 2560.2.1 Part 2.1: *Lighting for outdoor tennis*
- 2560.2.2 Part 2.2: *Lighting of multipurpose indoor sports centres*
- 2560.2.3 Part 2.3: *Lighting for football (all codes)*
- 2560.2.4 Part 2.4: *Lighting for outdoor netball and basketball*
- 2560.2.5 Part 2.5: *Lighting of swimming pools*
- 2560.2.6 Part 2.6: *Lighting for baseball and softball*
- 2560.2.7 Part 2.7: *Lighting for outdoor hockey* (this Standard)
- 2560.2.8 Part 2.8: *Lighting of bowling greens*

Reference to the general principles and recommendations of AS 2560.1 will be necessary for the proper application of the recommendations in this Standard.

The AS 2560 series does not include consideration of the lighting necessary for television broadcasting because specialist advice is normally required for such installations and, in any event, there are international recommendations on this subject.†

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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\* *Guide to the artificial lighting of hockey pitches*, International Hockey Federation, Brussels, 1992.

† CIE Publication No. 83, *Guide for the lighting of sports events for colour television and film systems*, International Commission on Illumination (CIE), Vienna, 1989.

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## CONTENTS

	<i>Page</i>
1 SCOPE . . . . .	4
2 REFERENCED DOCUMENTS . . . . .	4
3 DEFINITIONS . . . . .	4
4 CHARACTERISTICS OF PLAY AND IMPLICATIONS FOR LIGHTING . . . . .	4
5 GENERAL DESIGN OBJECTIVES . . . . .	5
6 ILLUMINANCE LEVELS . . . . .	5
7 UNIFORMITY OF ILLUMINANCE . . . . .	6
8 CONTROL OF GLARE . . . . .	6
9 COLOUR RENDERING . . . . .	7
10 SURROUND BRIGHTNESS . . . . .	7
11 LIGHTING SYSTEMS AND EQUIPMENT . . . . .	7
12 SWITCHING ARRANGEMENTS AND PROVISION FOR UPGRADING . . . . .	8
APPENDIX A TENTATIVE RECOMMENDATIONS FOR GLARE CONTROL . . . . .	12

## STANDARDS AUSTRALIA

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**Part 2.7: Specific recommendations—Outdoor hockey**

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**1 SCOPE** This Standard sets out recommendations for lighting for hockey where played outdoors. Recommendations appropriate to hockey played indoors are provided in AS 2560.2.2. Where hockey to indoor rules is played outdoors, the recommendations of this Standard may be applied, as appropriate.

The recommendations in this Standard cater for various levels of play and take into account the visual requirements of players, officials and spectators. Where lighting appropriate to physical training or lower levels of competition is to be provided, consideration should be given to the likelihood of the lighting system being upgraded so that provision can be made at the time of installation to minimize the cost of the future upgrading.

In addition to the recommendations of this Standard, the general recommendations of AS 2560.1 should be observed, as applicable.

This Standard does not include the special lighting requirements which apply for television broadcasting (see Preface).

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

AS

2560 Guide to sports lighting

2560.1 Part 1: General principles

2560.2.2 Part 2.2: Lighting of multipurpose indoor sports centres

**3 DEFINITIONS** For the purpose of this Standard, the definitions given in AS 2560.1 and those below apply.

**3.1 Average illuminance**—the arithmetic mean of the illuminances within the area of interest (e.g. the hockey field) on a specified plane, calculated or measured in a specified manner.

NOTE: See Clause 6 herein and Appendix C of AS 2560.1.

**3.2 Initial illuminance**—the value of average illuminance which is initially provided by the lighting system, i.e. with new lamps (aged to 100 h) and clean luminaires.

**3.3 Maintenance illuminance**—the value of average illuminance below which it is necessary to take remedial action in terms of maintaining the lighting system, e.g. by replacing the lamps or by cleaning the luminaires.

NOTE: The term ‘maintenance illuminance’ is used in this Standard and is proposed for use in other Standards in the AS 2560 series. It replaces the former term ‘service illuminance’.

**4 CHARACTERISTICS OF PLAY AND IMPLICATIONS FOR LIGHTING** The users of hockey facilities can be distinguished according to their activities, viz:

- (a) The players and umpires.
- (b) The tournament directors, judges and the team officials.
- (c) The spectators entering the sports facilities, watching the game and leaving.