

Australian Standard[®]

Sports lighting

**Part 2.5: Specific applications—
Swimming pools**



This Australian Standard® was prepared by Committee LG-009, Sports Lighting. It was approved on behalf of the Council of Standards Australia on 26 October 2007. This Standard was published on 7 December 2007.

The following are represented on Committee LG-009:

- Association of Consulting Engineers Australia
 - Australian Electrical and Electronic Manufacturers Association
 - Confederation of Australian Sport
 - Department of Local Government, Planning, Sport and Recreation, Qld
 - Energy Networks Association
 - IES: The Lighting Society
 - Parks and Leisure Australia
 - Sport and Recreation Victoria
 - Sport Industry Australia
 - Tennis Australia
 - Tennis Coaches Australia
 - Tennis Court and Sports Field Builders Association of Australia
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This Standard was issued in draft form for comment as DR 07057.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2560.2.5—2007

Sports lighting

Part 2.5: Specific applications—Swimming pools

RECONFIRMATION NOTICE

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
Sports and Recreation Victoria
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NOTES

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Originated as AS 2560.2.5—1994.
Second edition 2007.

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia
ISBN 0 7337 8471 2

PREFACE

This Standard was prepared by the Standards Australia Committee LG-009, Sports Lighting, to supersede AS 2560.2.5—1994, *Sports lighting—Specific applications—Swimming pools*.

When revision of the AS 2560 series of Standards is completed it will consist of the following:

AS

- 2560 Sports lighting
- 2560.1 Part 1: General principles
- 2560.2.1 Part 2.1 Specific applications—Lighting for outdoor tennis
- 2560.2.2 Part 2.2 Specific applications—Lighting of multipurpose indoor sports centres
- 2560.2.3 Part 2.3 Specific applications—Lighting for football (all codes)
- 2560.2.4 Part 2.4 Specific applications—Lighting for outdoor netball and basketball
- 2560.2.5 Part 2.5 Specific applications—Swimming pools (this Standard)
- 2560.2.6 Part 2.6 Specific applications—Baseball and softball
- 2560.2.7 Part 2.7 Specific applications—Outdoor hockey
- 2560.2.8 Part 2.8 Specific applications—Outdoor bowling greens

NOTE: Until the revision of this series is complete some of the above Standards might have, as a main title, 'Guide to sports lighting'.

The proper application of this Standard will require reference to AS 2560.1 for the definitions of various technical parameters and the explanation of basic concepts and principles.

In the preparation of this Standard, reference was made to CIE Publication No. 62 (1984), *Lighting for swimming pools*, and the recommendations of the International Swimming Federation (FINA).

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS.....	4
3 DEFINITIONS.....	4
4 CHARACTERISTICS OF THE SPORT AND IMPLICATIONS FOR LIGHTING ...	5
5 GENERAL DESIGN OBJECTIVES.....	5
6 ILLUMINANCE LEVELS	6
7 UNIFORMITY OF ILLUMINANCE.....	8
8 CONTROL OF GLARE AND VEILING REFLECTIONS.....	9
9 COLOUR RENDERING REQUIREMENTS.....	12
10 LIGHTING SYSTEMS AND EQUIPMENT FOR OUTDOOR SWIMMING POOLS.....	12
11 LIGHTING SYSTEMS AND EQUIPMENT FOR INDOOR SWIMMING POOLS	14
12 EMERGENCY LIGHTING	16
13 BASIS OF COMPLIANCE.....	16

STANDARDS AUSTRALIA

Australian Standard
Sports lighting**Part 2.5: Specific applications—Swimming pools****1 SCOPE**

This Standard contains recommendations and requirements specific to the lighting of indoor and outdoor swimming pools (the requirements refer to methods of assessment and levels of performance). It is applicable to a variety of pool-related activities, including swimming, diving, water polo and synchronized swimming (both training and competition requirements) and general recreational uses, taking into account the viewing requirements of participants, including officials, and spectators.

The Standard does not set requirements regarding the amenity or emergency lighting which may be required in public areas associated with swimming pools (see Clause 12).

Additional recommendations and requirements applicable to all sports venues, including those for swimming, are contained in AS 2560.1.

This Standard makes recommendations, but does not set requirements, regarding obtrusive light released into the environment from sports lighting installations (See Clause 10).

The Standard does not detail special requirements of lighting for colour television broadcasting.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
2560	Sports lighting
2560.1	Part 1: General principles
4282	Control of the obtrusive effects of outdoor lighting
2293	Emergency escape lighting and exit signs for buildings
2293.1	Part 1: System design, installation and operation
AS/NZS	
3827 (all parts)	Lighting system performance—Accuracies and tolerances
CIE	
62	Lighting for swimming pools

3 DEFINITIONS

For the purpose of this Standard the definitions given in AS 2560.1 apply. Some critical definitions are also repeated in this Standard.

3.1 Maintained illuminance (E_m)

The defined level below which the average illuminance on the reference plane of a lighting system is not allowed to fall.

NOTE: It is the minimum illuminance at which maintenance is to be carried out.