

Australian Standard[®]

**Control of the obtrusive effects
of outdoor lighting**

This Australian Standard was prepared by Committee LG/10, Obtrusive Effects of Outdoor Lighting. It was approved on behalf of the Council of Standards Australia on 29 October 1997 and published on 5 December 1997.

The following interests are represented on Committee LG/10:

The Association of Consulting Engineers Australia
Astronomical Society of Australia
Australian Electrical and Electronic Manufacturers Association
Brisbane City Council
Illuminating Engineering Society of Australia and New Zealand
Local Government and Shires Association of N.S.W.
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of outdoor lighting**

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PREFACE

This Standard was prepared by the Standards Australia Committee LG/10, Obtrusive Effects of Outdoor Lighting, to supersede AS 4282(Int)—1995.

With any outdoor lighting it will rarely be possible to contain all light within the boundaries of the property on which the lighting system is installed. Some light will inevitably be spilled outside the property boundaries, either directly or by reflection. The determination of when the spill light becomes obtrusive to others is difficult since both physiological and psychological effects are involved.

Local government plays an important role in controlling the obtrusive effects of outdoor lighting through the development approvals process, and in resolving neighbourhood disputes involving residents who experience discomfort or annoyance from nearby outdoor lighting installations. Some local government authorities have applied restrictions on the frequency of use and hours of operation of outdoor lighting, and on the levels of light spilled beyond the boundaries of the subject site.

The objective of this Standard is to provide a common basis for assessment of the likely effects of developments that involve the provision of outdoor lighting. However, it should be noted that the potentially obtrusive effects of the lighting will normally be only one of a number of environmental considerations that will need to be addressed. Compliance with this Standard, i.e. with the recommended limits for the various light technical parameters, will therefore not usually be the sole basis for the approval of particular development proposals.

Where any doubt exists on the potential effects of a specific proposal, appropriate persons with competence in the fields of illuminating engineering and environmental design should be consulted. This applies particularly to installations that are large in extent or that are otherwise of a nature which may require a formal development impact statement.

This Standard does not address the requirements which may be necessary for the lighting system to facilitate the activities for which it is designed. In this respect, for sports lighting installations, reference should be made to the appropriate Standard in the AS 2560 series.*

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.

* The Standards published in the AS 2560 series as at the date of publication of this Standard are as follows:

AS

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

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