

AS/NZS 4282:2019

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Australian/New Zealand Standard™

Control of the obtrusive effects of outdoor lighting



AS/NZS 4282:2019

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG-010, Obtrusive Effects Of Outdoor Lighting. It was approved on behalf of the Council of Standards Australia on 10 January 2019 and by the New Zealand Standards Approval Board on 30 January 2019.
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The following are represented on Committee LG-010:

Astronomical Society of Australia
Auckland Transport
Brisbane City Council
CIE Australia
Consumers Federation of Australia
Energy Networks Association
Engineers Australia
IES: The Lighting Society
IES: The Lighting Society New Zealand
Institute of Public Works Engineering Australasia
Lighting Council Australia
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This Standard was issued in draft form for comment as DR AS/NZS 4282:2018.

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PREFACE

This Standard was prepared by the Joint Standards Australia/New Zealand Committee LG-010, Obtrusive Effects of Outdoor Lighting, to supersede AS 4282—1997.

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 and ecological considerations that will need to be addressed. Conformance to this Standard, i.e. to the limits for the various light technical parameters, will therefore not usually be the sole basis for the approval of particular development proposals.

The following are significant changes between this edition and the previous edition:

- (a) The 1997 edition is a guidance document while this edition specifies requirements.
- (b) The effect of lighting of vertical planes including internally and externally illuminated signs, façades or objects has been included. The Standard is not intended to specify signage but only addresses the obtrusive impact of these lit surfaces.
- (c) The classification of environmental areas has been expanded to include environmentally sensitive areas and better align the categories to international standards.
- (d) The position of the calculation planes have been changed to better define the difference between current and future dwelling locations and also provide a buffer zone for lighting at the property boundary.
- (e) In general, this Standard does not apply to public lighting. However, limits have been included in this edition that can be applied when specified by the relevant authority. This was done so that obtrusive light can be controlled in areas where it may be seen as a problem without the need to calculate the impact of every streetlight.
- (f) This Standard now applies to broadcast television lighting and limits have been included.

Formally recognized sensitive locations, such as Siding Spring Observatory (Australia) and Aoraki Mackenzie International Dark Sky Reserve (New Zealand) may have requirements in addition to this Standard. This Standard does not address all the requirements that may be necessary for the lighting system to facilitate specific activities for which it is designed. Reference should be made to the appropriate Standard, such as the AS 2560 series for sports lighting, AS/NZS 1680.5 for outdoor workplaces and the AS/NZS 1158 series for the lighting for roads and public spaces.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

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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