

AS/NZS 1158.2:2005
(Incorporating Amendment No. 1)

AS/NZS 1158.2:2005

Australian/New Zealand Standard™

Lighting for roads and public spaces

**Part 2: Computer procedures for the
calculation of light technical parameters
for Category V and Category P lighting**



AS/NZS 1158.2:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG-002, Lighting for Roads and Public Spaces. It was approved on behalf of the Council of Standards Australia on 29 April 2005 and on behalf of the Council of Standards New Zealand on 13 May 2005.
This Standard was published on 7 September 2005.

The following are represented on Committee LG-002:

Astronomical Society of Australia
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Australian Local Government Association
Energy Supply Association of Australia
IES: The Lighting Society
Ingenium
Institute of Public Works Engineering Australia
Land Transport Safety Authority New Zealand
Main Roads Department, Queensland
Main Roads Western Australia

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-002, Lighting for Roads and Public Spaces to supersede AS 1158.2:1986, *Street lighting, Part 2: Computer procedures for the calculation of light technical parameters for Category A lighting*.

This Standard incorporates Amendment No. 1 (August 2008). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard forms Part 2 of the AS/NZS 1158 series, which covers lighting schemes for the generality of roads and outdoor public areas. The series title has recently been changed from 'Road lighting' to reflect an expansion in the scope of the series.

The AS/NZS 1158 series is currently being revised and, when that process is complete, it will consist of the following:

AS/NZS

1158	Lighting for roads and public spaces
1158.0	Part 0: Introduction
1158.1.1	Part 1.1: Vehicular traffic (Category V) lighting—Performance and installation design requirements
1158.1.3	Part 1.3: Vehicular traffic (Category V) lighting—Guide to design, installation, operation and maintenance
1158.2	Part 2: Computer procedures for the calculation of light technical parameters for Category V and Category P lighting (this Standard)
1158.3.1	Part 3.1: Pedestrian area (Category P) lighting—Performance and installation design requirements
1158.4	Part 4: Supplementary lighting at pedestrian crossings
1158.6	Part 6: Luminaires

NOTE: Until the revision of this series is complete, some of the above Standards might have as a main title 'SAA Public Lighting Code' or 'Road lighting'.

For each lighting subcategory described in this Series of Standards the light technical parameters (LTPs) and their prescribed values are both necessary and sufficient for the particular application. Compliance with the relevant Standard will be achieved by meeting all the required values of the LTPs for the designated subcategory. A higher quality of lighting scheme can be achieved within a subcategory by, for example, increasing the minimum level of uniformity or reducing the glare allowable, or both.

The significant technical changes that have been made in this Standard in relation to the previous publication include the following:

- (a) Updating from Category A to Category V classification and expansion of scope to include Category P lighting.
- (b) Relocation of the observer position to—
 - (i) in Australia—the centre of traffic flow for all relevant light technical parameters; and
 - (ii) in New Zealand—the centre of each lane for all relevant light technical parameters

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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

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