

Australian/New Zealand Standard™

Lighting for roads and public spaces

Part 0: Introduction



AS/NZS 1158.0:2005

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 6 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
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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/NZS 1158.0—1997, *Road lighting*, Part 0: *Introduction*.

This Standard incorporates Amendment No. 1 (August 2008) and Amendment No. 2 (April 2010). 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 0 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 is expected that it will consist of the following:

AS/NZS

1158	Lighting for roads and public spaces
1158.0	Part 0: Introduction (this Standard)
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 B lighting
1158.3.1	Part 3.1: Pedestrian area (Category B) 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:

- New definitions have been added and amended definitions have been included for the terms 'carriageway lighting design width', 'spacing', 'visor', 'roadway width' and 'roadway'.
- The definitions of all defined terms used in the AS/NZS 1158 series are now contained in this document only.

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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Australian/New Zealand Standard
Lighting for roads and public spaces

Part 0: Introduction

1 SCOPE

This Standard applies to the lighting of roads and other outdoor public spaces. It serves as a general introduction to the AS/NZS 1158 series and sets out the definitions and lighting categories needed for reference in other Standards in that series.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1348 Glossary of terms—Road and traffic engineering
 1798 Lighting poles and bracket arms—Preferred dimensions
 1852 International electrotechnical vocabulary
 1852.845 Chapter 845: Lighting
 3665 Simplified definitions of lighting terms and quantities
 1158 Lighting for roads and public spaces
 1158.4 Part 4: Supplementary lighting at pedestrian crossings

AS/NZS

- 1158 Lighting for roads and public spaces
 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
 1158.3.1 Part 3.1: Pedestrian area (Category P) lighting—Performance and installation design requirements
 1158.6 Part 6: Luminaires

NZS

- 6701 Code of practice for road lighting

CIE

- 152 Method of measuring and specifying colour rendering properties of light sources
 121 The photometry and goniophotometry of luminaires

* International Commission on Illumination, Vienna