

Technical Specification

Lighting for roads and public spaces

Part 6: Luminaires—Performance



SA/SNZ TS 1158.6:2015

This Joint Australian/New Zealand Technical Specification 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 25 September 2015 and on behalf of the Council of Standards New Zealand on 24 September 2015. This Technical Specification was published on 14 October 2015.

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PREFACE

This Technical Specification was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-002, Lighting for Roads and Public Spaces, to supersede product specification information formerly in the superseded AS/NZS 1158.6:2010, *Lighting for roads and public places*, Part 6: *Luminaires*. Its primary function is for procurement guidance. AS/NZS 60598.2.3 supersedes AS/NZS 1158.6:2010 for safety requirements.

This Standard incorporates Amendment No. 1 (January 2018). 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.

The principal difference between this Technical Specification and AS/NZS 1158.6:2010 is this separation of the safety requirements to AS/NZS 60598.2.3 and the creation of an Australian and New Zealand Technical Specification (i.e. this document) for product performance. In addition, within this Technical Specification are requirements for solid state lighting (SSL) light sources.

The minimum safety requirements for road lighting luminaires are provided in AS/NZS 60598.2.3, *Luminaires*, Part 2.3: *Particular requirements—Luminaires for road and street lighting*.

This Technical Specification was developed to provide a document that defines enhanced luminaire performance and durability provisions to ensure effective luminaire performance in the varying operating and environmental conditions to which they may be subjected in service in Australia and New Zealand. Luminaires need to withstand, and be capable of operating under, adverse conditions, including the effects of salt spray, high temperatures, industrially contaminated atmospheres, fog, smoke, dust storms, snow, ultraviolet radiation, driving rain, wind and traffic-induced vibration.

This Technical Specification forms part of the AS/NZS 1158 series, which covers lighting schemes for the generality of roads and outdoor public areas.

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 design requirements
- 1158.1.2 Part 1.2: 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 design requirements
- 1158.4 Part 4: Lighting of pedestrian crossings
- 1158.5 Part 5: Tunnels and underpasses

SA/SNZ TS

- 1158.6 Part 6: Luminaires—Performance (this Technical Specification)

The terms ‘normative’ and ‘informative’ have been used in this Technical Specification. A ‘normative’ reference is an integral part of a Technical Specification, whereas an ‘informative’ reference is only for information and guidance.

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