

Australian/New Zealand Standard™

Lighting for roads and public spaces

Part 5: Tunnels and underpasses



AS/NZS 1158.5:2014

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 22 October 2014 and on behalf of the Council of Standards New Zealand on 31 October 2014. This Standard was published on 14 November 2014.

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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 1158.5:2007, and provide performance and design requirements for lighting schemes for tunnels and underpasses.

This Standard is for the use of designers, consultants, owners and operators of lighting schemes for tunnels and underpasses. The design of tunnel lighting schemes is complex and involves the use of specialist computer software and should be undertaken only by experienced designers.

This revision provides more explanatory information. It also recognizes that in some situations daylight penetration into an underpass can be significant and that software is readily available to determine the daylight luminance contribution, which may be used to offset some or all of the electric lighting requirements.

Requirements for the tunnel interior lighting are now based on operating speed and in very long tunnels, interior sub zones have been introduced.

A flow diagram has been introduced in Appendix L detailing lighting design steps.

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.

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