



Traffic signal lanterns



This Australian Standard® was prepared by Committee LG-006, Road Traffic Signals. It was approved on behalf of the Council of Standards Australia on 30 September 2014. This Standard was published on 21 October 2014.

The following are represented on Committee LG-006:

- Australian Industry Group
 - AUSTRROADS
 - Brisbane City Council
 - CIE Australia
 - Department of Planning, Transport and Infrastructure, SA
 - Department of Transport and Main Roads, Qld
 - IES: The Lighting Society
 - Intelligent Transport Systems Australia
 - Lighting Council of Australia
 - Main Roads Western Australia
 - Roads and Maritime Services
 - VicRoads
-

This Standard was issued in draft form for comment as DR AS 2144.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

Traffic signal lanterns

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PREFACE

This Standard was prepared by Standards Australia Committee LG-006, Road Traffic Signals, to supersede AS/NZS 2144:2002. It is one of a number of Standards which set out requirements for the equipment associated with traffic signal installations. These include the following:

AS

2144	Traffic signal lanterns (this Standard)
2339	Traffic signal posts and attachments
2353	Pedestrian push-button assemblies
2578	Traffic signal controllers
2703	Vehicle loop detector sensors
2979	Traffic signal mast arms
4113	Traffic signal lamps
4113.1	Part 1: Lamps for 240 V a.c. operation
4113.2	Part 2: Lamps for a.c. operation at extra-low voltage
4191	Portable traffic signal systems
4192	Illuminated flashing arrow signs
4852	Variable message signs
4852.1	Part 1: Fixed signs
4852.2	Part 2: Portable signs
5156	Electronic speed limit signs

The objective of this Standard is to ensure that, with the exception of replaceable items such as LED arrays, lanterns will continue to function effectively for a period of at least 20 years; furthermore, that surface finishes applied to the exterior of lanterns (e.g. powder coatings, paint) will last for at least 10 years without the need for further treatment.

The major changes that have been introduced in this edition are due to the changes that have occurred in technology since the previous (2002) edition. The principal differences between this and the previous edition are as follows:

- (a) Incandescent lamps are no longer covered by this Standard as they are considered obsolescent.
- (b) Requirements for lanterns operating at extra-low voltage (ELV) have been added.
- (c) Environmental tests are now required and a clause defining them has been added.

Statements expressed in mandatory terms in footnotes to figures are deemed to be requirements of this Standard.

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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