



Transport
for NSW

Intelligent Transport Systems

Type Approval

Certificate No:	ITS-TAN000112
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Issued to:

Aldridge Electrical Industries Pty Ltd

For:

Device Type	HPSM LED Traffic Signal Lantern		
TfNSW Specification:	TSI-SP-073	Version:	1.0

Summary Scope:

Sizes: **200mm**

Model: **Two Aspect Combined Pedestrian & Bicycle**

Model Number: **RL446**

Note: Conditions of approval are on the reverse side of this certificate.

Evaluation Reference:	ITS-EV00245	Approver	Manager TSI
Approver Signature:	<i>Raj J Roychoudhry</i>	Date	29/1/2021

A) Description and itemisation of the equipment covered by the type approval:

LED lantern 200mm Two-aspect Combined Pedestrian & Bicycle (complete lantern models: RL446), comprising:

- Two section 5052 grade aluminium alloy housing, matt black powder coat finish;
- Black polycarbonate doors and tinted polycarbonate convex lens – UV stabilised, with internal Pedestrian & Bicycle mask and Fresnel lens;
- Red Combined Pedestrian & Bicycle aspect TR0265, 5-8 Watts and 4 high power LEDs (LEDs: Nichia Corporation NCSR219B-V1-E);
- Green Combined Pedestrian & Bicycle aspect TR0266, 5-8 Watts and 4 high power LEDs (LEDs: Nichia Corporation NCSE219B-V1-E);
- Aspect optical chamber ingress protection rating – IP65.

B) Summary of deviations from specified requirements:

Nil.

C) Relevant Specifications, Drawings and Standards:

TfNSW Specification TSI-SP-073 specifies that the traffic signal lanterns shall comply with all the requirements of AS 2144:2014 and TfNSW Specification TSI-SP-045, except as varied in TSI-SP-073.

D) Conditions of use:

Certificate users shall verify with RMS whether this certificate is current, valid, and applies to the latest RMS specification version, when using in situations where current validity is required.

Individual aspects may be swapped into within the lantern housing, so long as each aspect is approved, to support configurations listed in Traffic Signal Design – Appendix B (RMS/Pub. 08.092).

E) Related Certification History:

Certificate Number	Issued	EV Number	Description or change details