



Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000019

Issued to:

Aldridge Electrical Industries Pty Ltd

For:

LED Traffic Signal Lantern			
RMS Specification:	R3452	Version:	1.0

Summary Scope:

Sizes: **200mm**

Model: **Three Aspect Bus – ‘B’**

Model Number: **RA453BL**

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

Evaluation Reference:	ITS-EV00076	Approver:	Manager TSI
Approver Signature:	<i>Raj J Roychowdhry</i>	Date:	18/09/2018

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

LED lantern 200mm Three-aspect Bus – ‘B’ (complete lantern models: RA453BL), comprising:

- Three section 5052 grade aluminium alloy housing, matt black powder coat finish;
- Black polycarbonate doors and tinted polycarbonate convex lens – UV stabilised;
- Red ‘B’ aspect TR0231, 5.3 Watts and 72 LEDs (5mm LEDs: Nichia Corporation NSPR510GT);
- Yellow ‘B’ aspect TR0232, 5.8 Watts and 72 LEDs (5mm LEDs: Nichia Corporation NSPA510BS);
- White ‘B’ aspect TR0234, 5.6 Watts and 72 LEDs (5mm LEDs: Nichia Corporation NSPW510D);
- Aspect optical chamber ingress protection rating – IP65.

B) Summary of deviations from specified requirements:

Concession given to allow photometric distribution performance levels based on engineering calculations with reference to the previously type approved vehicular lanterns in lieu of NATA accredited laboratory test report.

C) Relevant Specifications, Drawings and Standards:

RMS Specification R3452 specifies that the traffic signal lanterns shall comply with all the requirements of AS 2144:2002, except as varied in R3452.

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