



Intelligent Transport Systems

# Type Approval

Certificate No:

ITS-TAN000004

Issued to:

Aldridge Traffic Systems Pty Ltd

For:

LED Traffic Signal Lantern			
RMS Specification:	R3452	Version:	1.0

Summary Scope:

Sizes: **300mm**

Models: **Three Aspect Roundel**

Model Number: **RA983**

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

Evaluation Reference:	ITS-EV0075	Approver:	Manager TSI
Approver Signature:	<i>Raj J Rajchoudhry</i>	Date:	15/10/2018

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

LED lantern 300mm Three-aspect Roundel (complete lantern models: RA983), comprising:

- Three section marine grade sheet aluminium housing, matt black powder coat finish;
- Black polycarbonate doors and tinted polycarbonate convex – UV stabilised;
- Red Roundel aspect R1050, 10·2 Watts and 120 LEDs (5mm LEDs: SSC – LR530);
- Yellow Roundel aspect R1051, 27·1 Watts and 320 LEDs (5mm LEDs: SSC – LY530);
- Green Roundel aspect R1052, 8·2 Watts and 120 LEDs (5 mm LEDs: Nichia – NEPE510JT);
- Aspect optical chamber ingress protection rating – IP65.

**B) Summary of deviations from specified requirements:**

Nil.

**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 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
1605-R3452-R300	2/05/2016	n/a	1605-R3452-R300 has been renewed and superseded by this certificate.
0408-R3452-R300	17/08/2004	n/a	Replacement of lost original certificate.