



Intelligent Transport Systems

# Type Approval

**Certificate No:**

**ITS-TAN000044**

Issued to:

**Roadrunner Parts Pty Ltd**

For:

**Illuminated Flashing Arrow Signs**

<b>Illuminated Flashing Arrow Signs</b>			
<b>RMS Specification:</b>	<b>FAS/5</b>	<b>Version:</b>	<b>1.0</b>

Summary Scope:

**Model: Australian Arrow Boards Type – A  
Arrow board Single-Sided**

**Model Number: AAB-AB**

**Arrow Controller: AAB-L0007**

**Software: V109bCP**

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

<b>Evaluation Reference:</b>	<b>ITS-EV00119</b>	<b>Approver:</b>	<b>Manager TSI</b>
<b>Approver Signature:</b>	<i>Raj J Rajchoudhery</i>	<b>Date:</b>	<b>13/11/2018</b>

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

LED flashing arrow sign – type ‘A’ (models: single-sided AAB-AB), comprising:

- Black sign board with thirteen (large element) 126mm High Intensity LED lamps (LED Lamp PCB model AAB-L0001 with 68 LEDs) and visors on the front panel;
- LED lamp optical chamber ingress protection rating – IP65;
- Dimming control of LED lamps intensity using a photocell;
- Arrow controller (models: AAB-L0007);
- Main Control Card (model: 460200 Rev. D with CANBUS protocol);
- Main control card Software version – V109bCP;
- Switch Panel – PCBA (model 460100 Rev. C with software version V104);
- 12V and 24V input power capability with a fuse;
- Sign board ingress protection rating – IP45;
- Electric actuator and gas strut for raising and lowering of sign board.

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

Nil.

**C) Relevant Specifications, Drawings and Standards:**

RMS Specification FAS/5 specifies that the traffic signal lanterns shall comply with all the requirements of AS 4192:2006, except as varied in FAS/5.

**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.

The Type A illuminated flashing arrow sign board is designed for use in Region A, Terrain Category 2 and a maximum viewing distance of 500m.

**E) Related Certification History:**

Certificate Number	Issued	EV Number	Description or change details
1005-FAS5-0-1A	19/05/2010		1005-FAS5-0-1A has been renewed and superseded by this certificate.