



Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000054

Issued to:

Magnum MFG Pty Ltd

For:

Illuminated Flashing Arrow Signs

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

Summary Scope:

Model: Type – B Arrow board Single-Sided

Model Number: VMAB-BS

Arrow Controller: VMAB-BSC

Software: FO_M8DIRV1.04

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

Evaluation Reference:	ITS-EV00118	Approver:	Manager TSI
Approver Signature:	<i>Raj J Roychowdhry</i>	Date:	08/11/2018

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

LED flashing arrow sign – type ‘B’ (models: single-sided VMAB-BS), comprising:

- Black sign board with fifteen (small element) 110mm High Intensity LED lamps (LED Lamp PCB model 83A Series Traffic Lamp with 48 LEDs) and visors on the front panel;
- LED lamp optical chamber ingress protection rating – IP67;
- Dimming control of LED lamps intensity using a photocell;
- Arrow controller (models: Arrow board Controller Model Type B, VMAB-BSC);
- 12V input power capability with fuse;
- Sign board ingress protection rating – IP45;
- Electric actuator for raising and lowering of sign board.

B) Summary of deviations from specified requirements:

EMC test was not performed in complete accordance with the requirements. If issues arise with EMC radiated emissions, further NATA tests with the complete equipment will be required.

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 B illuminated flashing arrow sign board is designed for use in Region B, Terrain Category 2 and a maximum viewing distance of 860m.

E) Related Certification History:

Certificate Number	Issued	EV Number	Description or change details
1507-FAS5-0-1B	18/08/2015		1507-FAS5-0-1B has been renewed and superseded by this certificate.