



Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000017

Issued to:

TYCO Traffic and Transportation

For:

LED Traffic Signal Lantern			
RMS Specification:	R3452	Version:	1.0

Summary Scope:

Sizes: **200mm**

Model: **Three Aspect Bus – ‘B’**

Model Number: **8959 105 00121**

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

Evaluation Reference:	ITS-EV00068	Approver:	Manager TSI
Approver Signature:	<i>Raj J Rajchoudhry</i>	Date:	07/09/2018

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

LED lantern 200mm Three-aspect Bus (complete lantern models: 8959 105 00121), comprising:

- Three section 5251 grade aluminium housing, matt black powder coat finish;
- Black polycarbonate doors and tinted polycarbonate convex and diffused lens – UV stabilised;
- Red Bus ‘B’ aspect TP-08B-AS, 7.5 Watts and 126 LEDs (5mm LEDs: Lite-On Technology LTL2R3SEJS-L-032A);
- Yellow Bus ‘B’ aspect TP-08B-BS, 7.6 Watts and 126 LEDs (5mm LEDs: Lite-On Technology LTL2H3TSKS-L-032A);
- White Bus ‘B’ aspect TP-08B-WS, 6 Watts and 126 LEDs (5mm LEDs: Nichia Corporation NSPW510DST);
- Aspect optical chamber ingress protection rating – IP65;
- The Bus ‘B’ mask is formed on the exterior lens using black UV paint.

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 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
1412-R3452-BUS	5/12/2014	n/a	1412-R3452-BUS has been renewed and superseded by this certificate.