



Intelligent Transport Systems

Type Approval

Certificate No:

ITS-TAN000008

Issued to:

TYCO Traffic and Transportation

For:

LED Traffic Signal Lantern

RMS Specification:

R3452

Version:

1.0

Summary Scope:

Sizes: **200mm**

Models: **Three Aspects Roundel**

Model Number: **8959 105 00120**

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

Evaluation Reference:	ITS-EV00068	Approver:	Manager TSI
Approver Signature:	<i>Steven Shaw</i>	Date:	03/08/2018

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

LED lantern 200mm Three-aspect Roundel (standard lantern models: 8959 105 00120), 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 Roundel aspect TSL-8R-LD-IL5-C1, 8.7 Watts and 140 LEDs (5mm LEDs: Lite-On Technology LTL2H3SEKS-032A);
- Yellow Roundel aspect TSL-8Y-LD-IL5-C1, 16.1 Watts and 280 LEDs (5mm LEDs: Lite-On Technology LTL2H3TSKS-L-032A);
- Green Roundel aspect TSL-08G-LD5-C1, 11.6 Watts and 132 LEDs (5mm LEDs: Lite-On Technology LTL2H3TCKS7);
- 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
0801-R3452-R200	22/01/2008	n/a	0801-R3452-R200 has been renewed and superseded by this certificate