



Intelligent Transport Systems

# Type Approval

Certificate No:

ITS-TAN000023

Issued to:

Braums Pty Ltd

For:

HPSM LED Traffic Signal Lantern			
RMS Specification:	R3452	Version:	1.0

Summary Scope:

Sizes: **200mm**

Model: **Two Aspect Pedestrian**

Model Number: **BTLAP22N**

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

Evaluation Reference:	ITS-EV00065	Approver:	Manager TSI
Approver Signature:	<i>Raj J Roychowdhry</i>	Date:	10/10/2018

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

LED lantern 200mm Two-aspect Pedestrian (complete lantern models: BTLAP22N), comprising:

- Two section aluminium alloy housing, matt black powder coat finish;
- Black polycarbonate doors and tinted polycarbonate convex and diffused lens – UV stabilised;
- Red Standing Man aspect SM0200, 5.7 Watts and 2 LEDs (HPSM LEDs: Osram Platinum Dragon LEDs – LA W5SN);
- Green Walking Man aspect WM0200, 5.6 Watts and 2 LEDs (HPSM LEDs: Osram Platinum Dragon LEDs – LV W5SN);
- Aspect optical chamber ingress protection rating – IP65.

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

Approved concessions include:

- i. Stepped dimming;
- ii. High power LED's applied in the signal aspects;
- iii. LED drive current is greater than 20mA.

**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.

**E) Related Certification History:**

Certificate Number	Issued	EV Number	Description or change details
1505-R3452-01	22/05/2015	n/a	1505-R3452-01 has been renewed and superseded by this certificate.