



AUSTRALIAN NATIONAL TESTING  
LABORATORIES PTY. LTD.

# Traffic Control Equipment Power Measurements

## Test Report # 5335.11

Customer Name: Traffic Control Systems Pty Ltd

Address: 38-40 Dunorlan Road  
Edwardstown, SA, 5039

Date: 29.06.2023

Report Written By:  
Robert McAlister

Approved Signatory:  
Richard Unwin

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## 1 Introduction

Australian National Testing Laboratory (ANTL) was commissioned to carry out testing on traffic control equipment to determine the power usage in accordance with the NEM Load Table (Unmetered Loads) requirements.

## 2 Parts Description

Combined Radio / Flasher control unit

Manufactured by Traffic Control Systems Adelaide. – SSF-02RR12

240V Amber / Amber Lantern set

Manufactured by Braums, Sydney – BTLPV22YY



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### 3 Photographs of Tested Equipment







## 4 Instrumentation

The table below shows the instrumentation used to carry out the test.

Parameter	Instrument Make	ANTL Instrument #
Ambient Air Temperature and Humidity	Datataker DT80	ER74
Power	EDMI MK6 class 0.2	ER051
Power Factor	EDMI MK6 class 0.2	ER051
Current	EDMI MK6 class 0.2	ER051
Voltage	Tektronic 6.5 Digit DMM	ER084
Resistance	Tektronic 6.5 Digit DMM	ER 084
Wind Speed	Testo 510	ER 095

The units under test were preconditioned for a period of 1hrs before power measurements were taken.

The laboratory temp was 23.4 deg C and 39% relative humidity during the tests.



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## 5 Test Results

### 5.1 Power Measurements- AS/NZS 60335.1 clause 10

Model	Volts	Current (A)	Power Factor	Watts - operating	Watts - standby
SSF-02RR12	240	0.004	0.952	1.0	0.2
BTLPV22YY	240	0.0437	0.952	10.5	0
2 of SSF-02RR12	240	0.008	0.952	2.0	0.35
2 of BTLPV22YY	240	0.0875	0.952	21.0	0



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