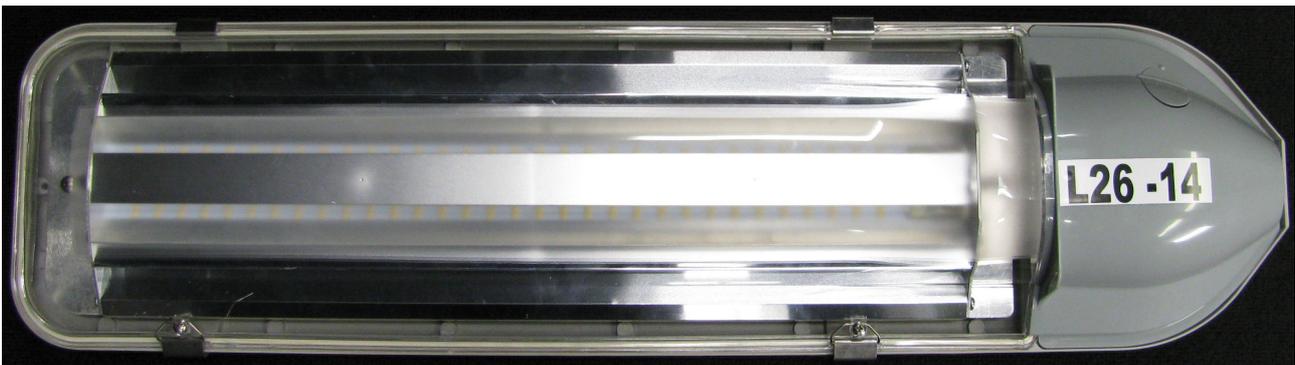


Test Report: 214088

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Testing Electrical operating parameters of GreenStreet LED GSLED26B



Type of product: Cat P Street Light

Prepared for: Gerard Lighting

Description: Main body constructed of cast metal with plastic visor sealed via white rubber round gasket, lamp chamber has a neoprene black seal to allow wire access. Mains connection is made via a 4 way terminal block.

Tested by: Alain Yetendje 30/04/14

Authorised Signatory

Date: 30/04/2014

David Ford

Test specification

Determination of the luminaire supply operating parameters Voltage, Current, Power and Power Factor when tested at the test voltages of 250V, 240V and 230V.

Test configuration

Two luminaires samples were tested. The luminaires were operated at 25°C ambient temperature until the luminaire parameters stabilised. Upon Stabilisation 30 readings were taken one every 10 seconds using a Precision Power Analyzer N4L PPA 2520. The 30 readings were averaged and the result given for that luminaire sample. The N4L PPA 2520 was calibrated in April 2013 by Ausgrid calibration laboratory and was supplied from an electronically regulated low distortion power supply Alpha Power Systems Model 6000VA; Serial No: 10022650907.

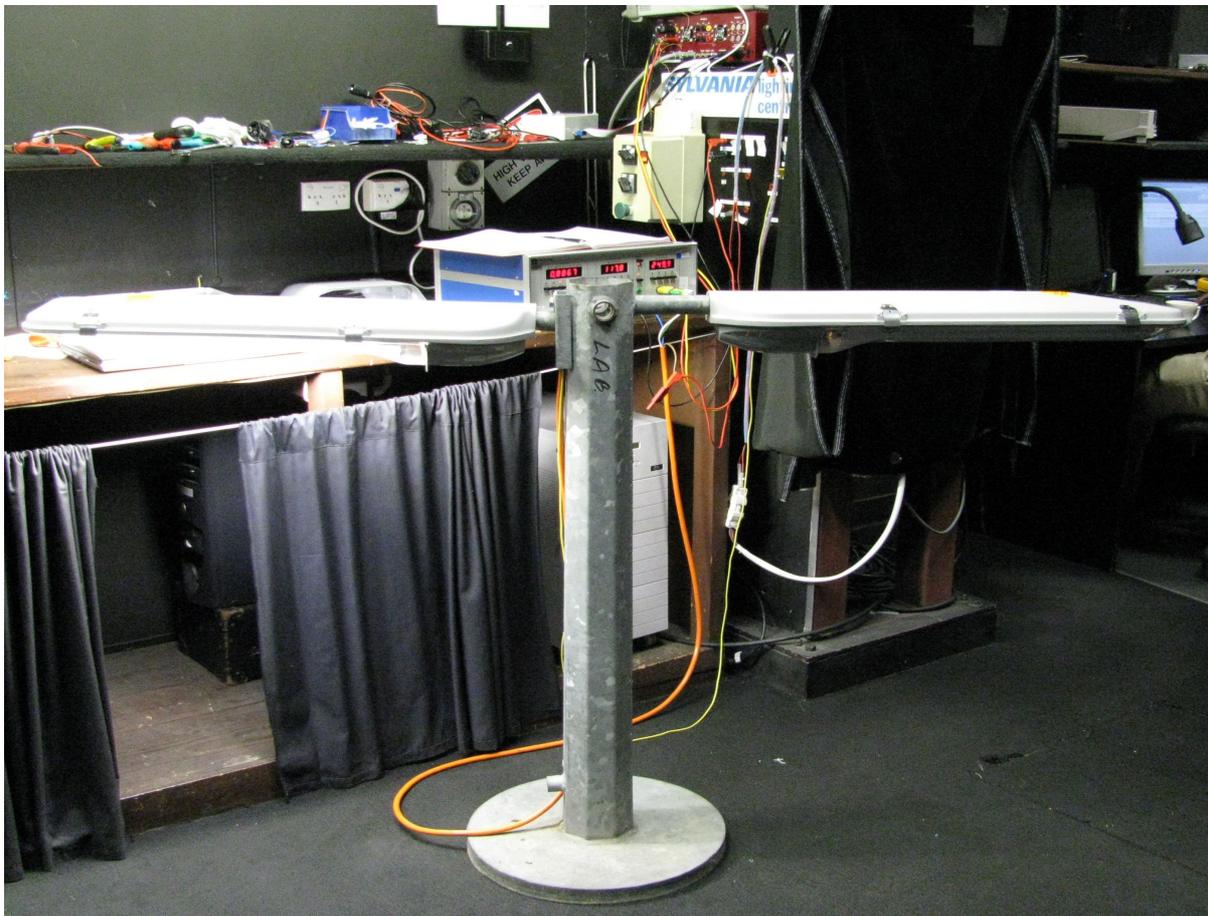


Illustration 1: Test setup

Uncertainties

At a Confidence Level of 95% with a Coverage Factor of 2

Supply Voltage: ± 0.18%

Supply Current: ±0.14%

Supply Power: ±0.19%

Power Factor: ±0.01

Ambient Temperature: ± 1°C

Results

Full details are given in Illustration 2.

Electrical operating parameters of GreenStreet LED GSLED26B

Sample No.	Supply Voltage (Vrms)	Input Current (mA rms)	Input Power (W)	Power Factor
Luminaire_1_250V	250.1	120.0	26.7	0.888
Luminaire_1_240V	240.1	123.0	26.6	0.899
Luminaire_1_230V	230.1	126.0	26.5	0.912
Luminaire_2_250V	250.0	117.7	26.1	0.886
Luminaire_2_240V	240.1	120.3	25.9	0.897
Luminaire_2_230V	230.1	123.3	25.8	0.909

Illustration 2: Summary