



Accredited for compliance with ISO/IEC 17025 Accreditation No. 4616

Test Report: 213305

# Test Report: 213305

Testing Electrical operating parameters of StreetLED ECO 18

Type of product: Cat P Street Light Vendor identification: StreetLED ECO 18 Model/Catalogue number: JL99XXXL22 Prepared for: Sylvania Lighting Australasia

# **Test specification**

Determination of the StreetLED ECO 18 supply operating parameters Voltage, Current, Power and Power Factor when tested at the nominal test voltage of 240 V. This report suppliments Test Report 213236 which gives complete photometric information but only on one sample.

# Test configuration

Ten luminaire samples were tested, then the results were averaged. The luminaires were operated at 25°C ambient temperature until the luminaire parameters stabilised. Upon Stabilisation 30 readings were taken one every 5 seconds using a Clark Hess Sampling Watt Meter model 2335; Serial No: 105845. The 30 readings were averaged and the result given for that luminaire sample. The watt meter was calibrated in April 2013 by Ausgrid calibration laboratory. The Wattmeter was supplied from an electronically regulated low distortion power supply Alpha Power Systems Model 6000VA; Serial No: 10022650907.

# Conclusions

Supply Power to the StreetLED ECO 18 is 21.9 Watts, full details are given on page 2.

Tested by: Paul Bennett

From 19/09/2013 Authorised Signatory to 20/09/2013

that

Date: 02/10/2013

David Ford

Sylvania Lighting Australasia Lighting Application Laboratory Sylvania Way, Lisarow NSW 2250 Australia Ph (61) 2 4328 0678 fax: (61) 2 4328 1623 email <u>lab@sla.net.au</u>

The data specified in this report relates to the sample measured under standard conditions specified in the Test Specification, and may not necessarily relate to other similar luminaires or other operating conditions. The tests and measurements covered by this document are traceable to Australian national standards of measurement. This report only applies to the items tested and shall only be reproduced in full unless approved in writing by SLA Lighting Application Laboratory

Page 1 of 3



#### **DUT** description

The general construction of the luminaire is shown in the photographs.

*Description:* Cast aluminium street light with clear visor. Samsung Street Light LED module PCB label: STOSEW750; 30003LS01; N701; **000689**; R3; 5000K - S; driven by Philips Xitanium driver 929000708803 set to 350 mA.

# Uncertainties

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

Supply Voltage: ± 0.18% Supply Current: ±0.09% Supply Power: ±0.22% Power Factor: ±0.01 Ambient Temperature: ± 2°C

#### Results

Sample No.	Supply Voltage (Vrms)	Input Current (mA rms)	Input Power (W)	Power Factor
Luminaire_1	240.1	101.9	22.1	0.902
Luminaire_2	240.2	101.6	22.0	0.901
Luminaire_3	240.1	101.2	21.8	0.897
Luminaire_4	240.1	101.7	21.9	0.898
Luminaire_5	240.1	101.6	21.9	0.897
Luminaire_6	240.1	101.2	21.9	0.901
Luminaire_7	240.1	101.1	21.9	0.903
Luminaire_8	240.0	101.2	21.9	0.901
Luminaire_9	240.0	101.1	21.8	0.899
Luminaire_10	239.9	101.1	21.8	0.900
Averages	240.06	101.37	21.90	0.900

Sylvania Lighting Australasia Pty Ltd

This report only applies to the items tested and shall only be reproduced in full unless approved in writing by SLA Lighting Application Laboratory



# **General Photographs**



Illustration 2: Luminaire bottom



Illustration 1: Luminaire top



Illustration 3: Gear tray

Sylvania Lighting Australasia Pty Ltd The tests and measurements covered by this document are traceable to Australian national standards of measurement. This report only applies to the items tested and shall only be reproduced in full unless approved in writing by SLA Lighting Application Laboratory