

## **Test Report: 214139**

Testing Electrical operating parameters of SL10 MIDI 89W 4K



*Type of product:* Cat V Street Light

*Prepared for:* Sylvania Lighting Australasia

*Description:* Pressure die-cast aluminium body with integrated heatsink. IP66 LED Module  
89W 4000K, IP65 control gear chamber.

Tested by: Alain Yetendje 02/06/14

Authorised Signatory

Date: 02/06/2014

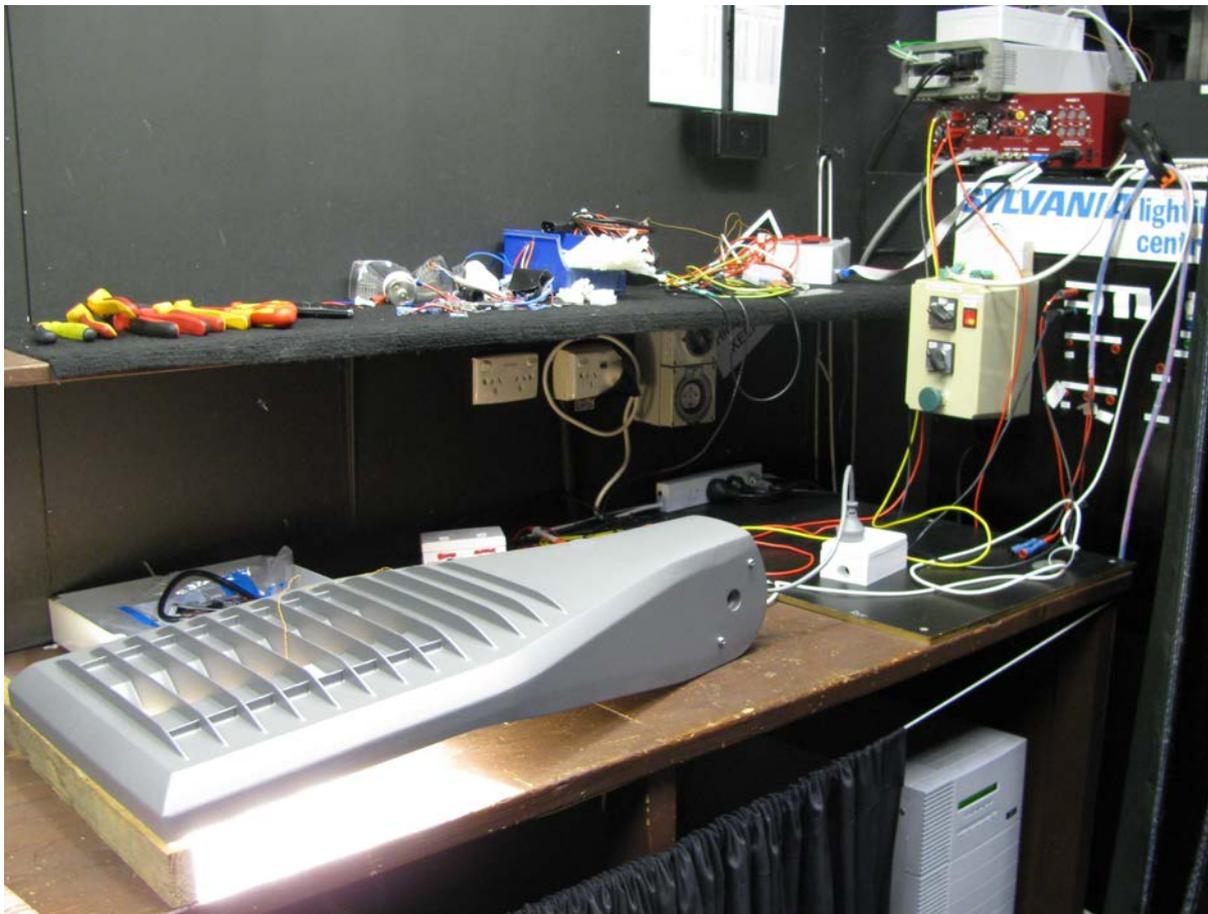
David Ford

## **Test specification**

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

## **Test configuration**

Ten 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 SL10 MIDI 89W 4K

Sample No.	Supply Voltage (Vrms)	Input Current (Arms)	Input Power (W)	Power Factor
Luminaire_1	240.276	0.386	91.65	0.987
Luminaire_2	240.270	0.390	91.61	0.987
Luminaire_3	240.323	0.390	91.73	0.987
Luminaire_4	240.233	0.390	91.67	0.987
Luminaire_5	240.327	0.390	92.14	0.987
Luminaire_6	240.356	0.390	91.68	0.987
Luminaire_7	240.321	0.390	91.94	0.988
Luminaire_8	240.383	0.390	91.91	0.988
Luminaire_9	240.294	0.390	91.64	0.987
Luminaire_10	240.194	0.392	91.67	0.987
<b>Average</b>	<b>240.298</b>	<b>0.390</b>	<b>91.76</b>	<b>0.987</b>

*Illustration 2: Summary*