

Report of Test

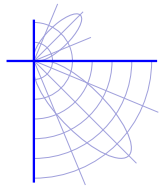
LL25242

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Test Report Number LL25242

Client Versalux Lighting Systems

Contact Cliff Schwidlewski

Address 28 Edgerton Road,
Mitcham. VIC 3132.

Devices Tested Versalux – VERSOA.2216M.1850.AEMO

Cast aluminium post-top body with grey finish. Clear conical plastic lens. Complex lens about each LED. One Tridonic RLE 2x8 4000lm AMB HP EXC2 OTD PCB with 16 LEDs. One Tridonic LCO 40/200-1050/64 pD+ NF C PRE3 220-240V 50Hz electronic driver, set to “500 mA” output. Tested at 250 V 50 Hz.

Nature of Tests To determine the total bulk power usage (known as Unmetered Market Load) of 10 supplied LED luminaires with internal driver while operating under standard laboratory conditions with the supply set to 250 V 50 Hz.

Performance data in accordance with IESNA LM-79-08.

Applicability This report is applicable only to the samples that were tested.

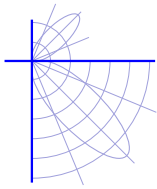
Sample Selection This laboratory has not exercised control over the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent to which the test samples are representative of production units.

Procedure The sample was tested in free air with lens surround vertical and spigot mount downward in a draft free room. The supply voltage and frequency to the control gear was set according to the values in Table 1 and the sample was operated till photometric and electrical stability prior to recording measurements. The relevant measurements are recorded in Table 1.

All measurements were performed in a controlled environment of 25 ± 1 ° Celsius.

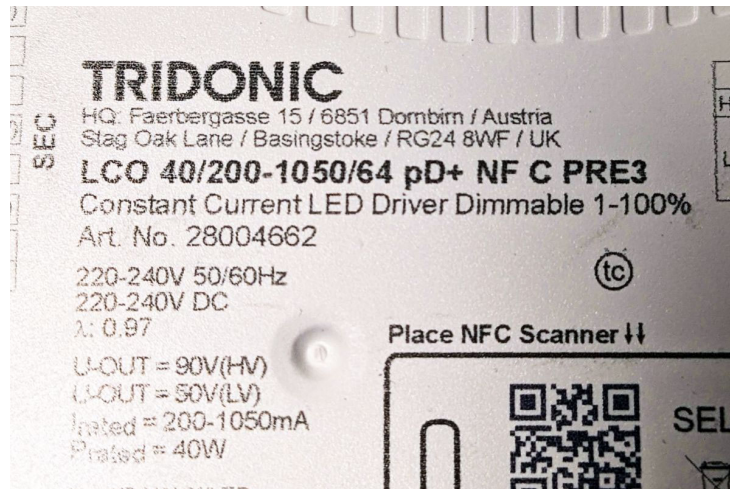
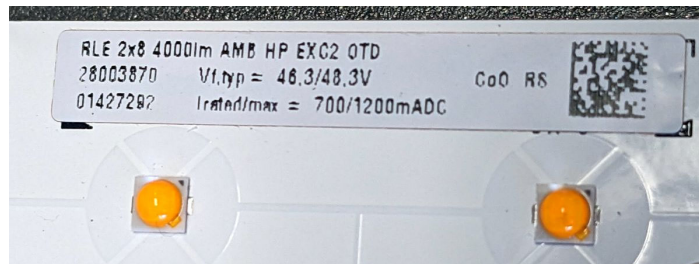
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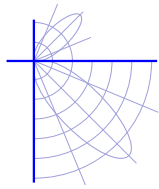
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Photographs



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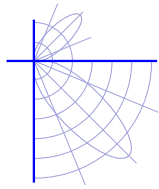
Test Results

Sample ID	Supply voltage (Vac)	Supply frequency (Hz)	Supply current (A)	Supply Power (W)	Power Factor	Voltage THD (%)
LL25242A	250.1	50	0.108	25.6	0.95	0.05
LL25242B	250.0	50	0.108	25.7	0.95	0.05
LL25242C	250.0	50	0.108	25.7	0.95	0.06
LL25242D	250.0	50	0.108	25.6	0.95	0.05
LL25242E	250.0	50	0.107	25.5	0.95	0.05
LL25242F	250.0	50	0.108	25.6	0.95	0.04
LL25242G	250.0	50	0.107	25.6	0.95	0.05
LL25242H	250.0	50	0.108	25.6	0.95	0.05
LL25242I	250.0	50	0.107	25.6	0.95	0.04
LL25242J	250.0	50	0.108	25.6	0.95	0.05
Average	250.0	50	0.108	25.6	0.95	0.05

Table 1 – Measurements

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Equipment Used	Asset#	Calibration Due Date
Electrical		
Keysight AC6804A AC Source	B0553	n/a
YEW WT210	B0138	14/03/2025
Environmental		
YEW 7563 Thermometer	B0260	31/10/2024
Photometry (stability only)		
Keithley 6485 Picoammeter	B0425	13/01/2025
LMT V Lambda Cell	B0250	13/01/2025

Uncertainties

When calculated at the 95% confidence interval with coverage factor $k = 2$, the estimated uncertainties are:

Temperature	$\pm 1^\circ \text{C}$
Electrical Power (ac)	$\pm 0.4\%$
Electrical Voltage (ac)	$\pm 0.3\%$
Electrical Current (ac)	$\pm 0.3\%$
Frequency (Hz) *	$\pm 0.1\%$
Power Factor	± 0.01

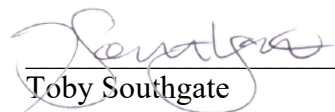
* NATA accreditation does not cover the performance of this service.

Laboratory

Measurements were performed at the LightLab International Brisbane Laboratory.

Date of Test 6th June to 7th June 2024
Date of Report 10th June 2024

Authorised Signatory


Toby Southgate

