

Report of Test

LL24560-R02

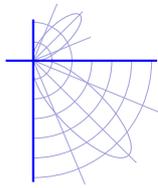
This test report supersedes test report LL24560-R01

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Test Report Number LL24560-R02

Client Connected Light Solutions

Contact Remko Verschuur

Address 34-36 Adderley Street East,
Lidcombe. NSW 2141.

Devices Tested Type of product: LED Area Lighter.
Model number: ALUASN75AWBHS1D1.
Brand: GE

Cast aluminium body and mounting bracket with grey finish. One SPL6P22S V1.00 LED PCB with array of 132 LEDs. One Mean Well ELG-75-C500DA electronic driver. Tested at 250 V 50 Hz with lens surround horizontal and beam downward

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 sample that was 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.

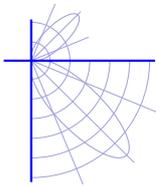
Procedure The sample was tested in free air with lens surround horizontal and face down in a draft free room. The supply voltage and frequency to the control gear was set according to the values in Table 1 and the sample was operated for a minimum of 2 hours till photometric and electrical stability prior to recording measurements. The relevant measurements are recorded in Table 1.

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

Revision History LL24560 – original report
LL24560-R01 – Product ID updated and average power consumption added.
LL24560-R02 – Rearrangement of product “Devices Tested” description.

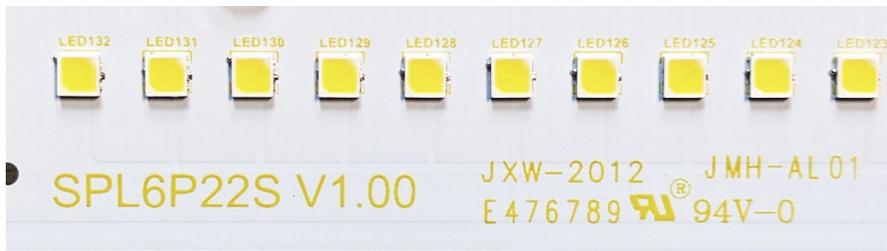
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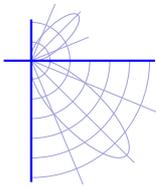
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Photographs



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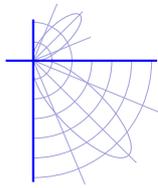
Photographs



	Area lighter	LED Floodlight
Model: ALUASN75AWBHS1D1		
Rated Voltage: AC200-240V, 50/60Hz		
Rated Wattage: 75W PF: >0.90		
Supply Current: 0.31A@240V		
Ta: -40°C~45°C CCT:4000K IP66		SKU: S70367R
LED non-replaceable Batch code:		Made In China

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Test Results

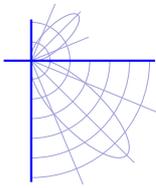
Sample ID	Supply voltage (Vac)	Supply frequency (Hz)	Supply current (A)	Supply Power (W)	Power Factor	Voltage THD (%)
LL24560A	250	50	0.285	68.3	0.96	0.04
LL24560B	250	50	0.286	68.7	0.96	0.04
LL24560C	250	50	0.285	68.3	0.96	0.05
LL24560D	250	50	0.283	67.8	0.96	0.05
LL24560E	250	50	0.283	67.9	0.96	0.04
LL24560F	250	50	0.286	68.8	0.96	0.04
LL24560G	250	50	0.285	68.3	0.96	0.04
LL24560H	250	50	0.291	69.8	0.96	0.04
LL24560I	250	50	0.283	67.6	0.98	0.04
LL24560J	250	50	0.280	67.1	0.96	0.04
Average	250	50	0.285	68.3	0.96	0.04

Table 1 – Measurements

Equipment Used	Asset#	Calibration Due Date
Electrical		
Keysight AC6804A AC Source	B0553	n/a
YEW WT210	B0381	10/02/2024
Environmental		
YEW 7563 Thermometer	B0260	20/10/2023
Photometry (stability only)		
Keithley 6485 Picoammeter	B0425	13/01/2025
LMT V Lambda Cell	B0250	13/01/2025

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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

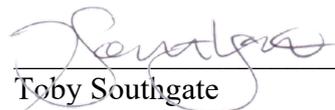
* NATA accreditation does not cover the performance of this service.

Laboratory

Measurements were performed at the LightLab International Brisbane Laboratory.

Date of Test 10th to 14th March, 2023
Date of Report 5th April, 2023

Authorised Signatory



Toby Southgate

B3067 - ESC Report , Version 1.3, 11th Apr 2022

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