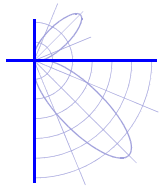


Report of Test

LL24481-R01

This report supersedes LL24481





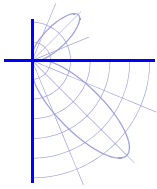
Test Report Number LL24481-R01

Client	Connected Light Solutions
Contact	Remko Verschuur
Address	34-36 Adderley Street East. Lidcombe. NSW 2141.
Devices Tested	10 x E40 LED Lamps. Identified by LightLab as Sample A to J (also identified with test number). GE Tungsram – S93105826 – LED 80W/HID/740/E40 TU The samples comprise a cylindrical plastic body with white finish. 8 outward facing vertical LB-AI-1229 LED PCBs set behind a clear plastic lens and a downward facing ring PCB with 21 LEDs and a translucent diffuser. Central mounted upward facing cooling fan in base. Control gear integral to units.
Nature of Tests	To determine the total bulk power usage (known as Unmetered Market Load) of 10 supplied LED lamps 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.
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 samples were tested in free air, vertical base up 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.

This test report was issued by LightLab International without alterations or amendments

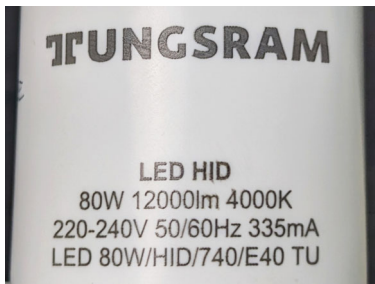
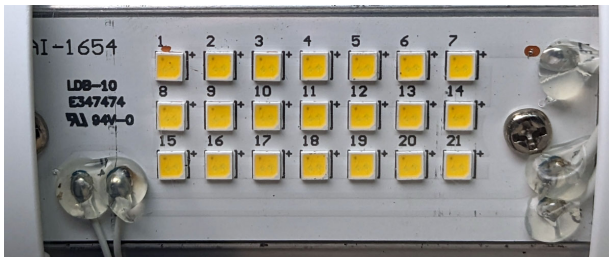




Test Report Number LL24481-R01

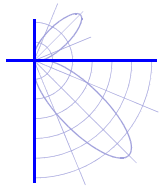
Photographs

(Sample 'E' shown)



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Test Report Number LL24481-R01

Test Results

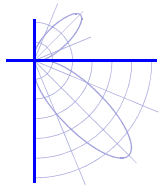
Sample ID	Supply voltage (Vac)	Supply frequency (Hz)	Supply current (A)	Supply Power (W)	Power Factor	Voltage THD (%)
LL24071A	250	50	0.322	79.7	0.99	0.06
LL24071B	250	50	0.320	79.2	0.99	0.05
LL24071C	250	50	0.321	79.5	0.99	0.05
LL24071D	250	50	0.322	79.6	0.99	0.05
LL24071E	250	50	0.320	79.4	0.99	0.04
LL24071F	250	50	0.032	79.0	0.99	0.04
LL24071G	250	50	0.319	79.1	0.99	0.05
LL24071H	250	50	0.319	78.9	0.99	0.05
LL24071I	250	50	0.321	79.6	0.99	0.05
LL24071J	250	50	0.322	79.6	0.99	0.04

Table 1 – Measurements

Equipment Used	Asset#	Calibration Due Date
Electrical		
Keysight AC6804A AC Source	B0553	n/a
YEW WT210	B0381	03/02/2023
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

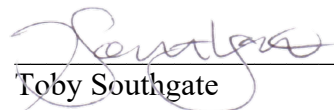
* NATA accreditation does not cover the performance of this service.

Laboratory

Measurements were performed at the LightLab International Brisbane Laboratory.

Date of Test 19-Jan-2023 to 23-Jan-2023
Date of Report 25-Jan-2023

Authorised Signatory


Toby Southgate

Report history	
LL24481	Original version
LL24481-R01	Updated product ID

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

This test report was issued by LightLab International without alterations or amendments

