



8165 E Kaiser Blvd. Anaheim, CA 92808
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Report No: L061802503T



Report No: L061802503T **Issue Date:** 6/11/2018

Prepared For: eLuminaire LLC
180 E Selandia Lane, Carson, CA 90746

Model Number: eLPLS1-DP16030K8-XX

Test: In-Situ Temperature Measurement Test

Standards Used: Appropriate part or all test guidelines were used for test performed:
ANSI/UL 1598-2008 Sec. 19.7, 19.10-16 Luminaires: In-situ Temperature Measurement Test (ISTMT)
IES LM-84-14 ANNEX A: Recommendations for measurement of In-Situ conditions LED case temperature, Ts

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Testing condition: Fixture is tested with no special conditions.

Sample Arrival Date: 5/23/18

Date of Tests: 6/5/18 - 6/5/18

Seasoning of Sample: No seasoning was performed in accordance with ANSI/UL 1598-2008.

Equipment List

| Equipment Used | Model No | Stock No | Calibration Due Date |
|-------------------------------|----------|------------|----------------------|
| Chroma Programmable AC Source | 61604 | PS-AC02 | -- |
| Xitron Power Meter | 2801 | MT-EL02-1 | 1/12/19 |
| Fluke Digital Thermometer | 52K/J | MT-TP02-GB | 1/19/19 |

ISTMT Test Summary

| | |
|-------------------------------|---------------------------|
| Manufacturer: | eLuminaire LLC |
| Model Number: | eLPLS1-DP16030K8-XX |
| Driver Model Number: | MOONS' MU200H105AQ_0-10V |
| LED Chip/Module Model Number: | CREE XLAMP MH FAMILY LEDS |
| Input Voltage (VAC/60Hz): | 120.00 |
| Input Current (Amp): | 1.00 |
| Input Power (W): | 118.59 |
| Input Power Factor: | 0.99 |
| Thermocouple #1 (Fig 1) °C: | 73.5 |
| Thermocouple #2 (Fig 2) °C: | 53.8 |
| Ambient Temperature (°C)*: | 25.0 |
| Stabilization Time (Hours): | 3:00 |
| Total Operating Time (Hours): | 4:00 |

(*Temperature normalized to 25°C)

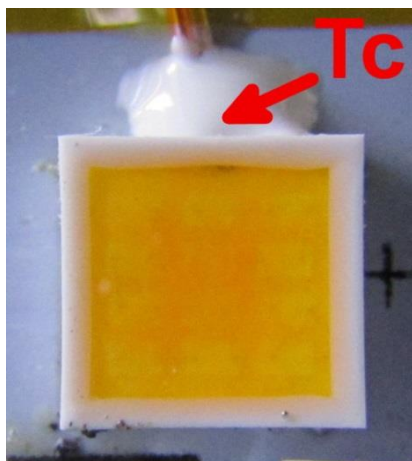


FIG.1 THERMOCOUPLE #1



FIG.2 THERMOCOUPLE #2

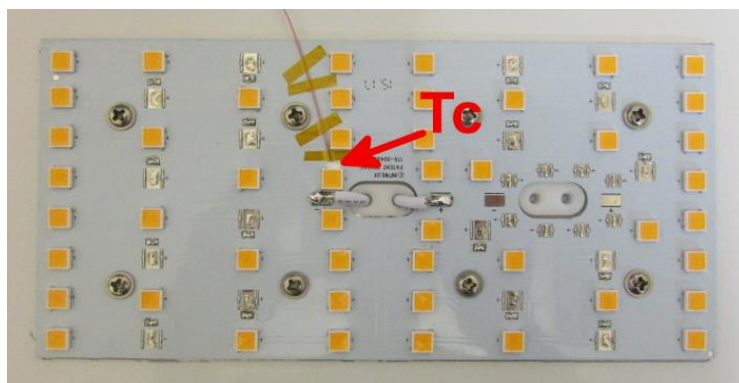


FIG.3 Tc POSITION



FIG.4 LUMINAIRE



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Test Methods

Temperature Measurements - ISTMT

Ambient temperature is set to 25°C +/- 5°C per ANSI/UL 1598-2008 19.5.1

Ambient temperature is set to 25°C and is measured from the horizontal plane passing through the midpoint of the luminaire's vertical axis at a horizontal distance from the luminaire equal to at least 3 times the luminaire diameter. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 3 hours and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Reported temperature:

Per ANSI/UL 1598-2008 19.5.1, ambient temperature variations above or below 25°C are respectively subtracted from or added to temperatures recorded at points on the luminaire.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

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