



8165 E Kaiser Blvd. Anaheim, CA 92808

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Test Report: L041412303T01**Model Number:** BIO-FLSH-LED4LO-04-ABW-TMW-D1X-SC-UNV-X1**Report Prepared For:** Prudential Lighting
1737 East 22nd Street**Test:** In-situ Temperature Measurement Test per ANSI/UL standards.**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)***Description of Sample:** Client submitted the sample. Fixture catalog number is BIO-FLSH-LED4LO-04-ABW-TMW-D1X-SC-UNV-X1. Received in working and undamaged condition. No modifications were necessary.**Testing condition:** Fixture is tested with no special conditions.**Sample Arrival Date:** 4/24/14**Date of Tests:** 5/7/14 - 5/7/14**Seasoning of Sample SSL:** 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	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S1	01/04/15
Xitron Power Analysis System	2503AH	MT-EL01	01/09/15
Fluke Digital Thermometer	52k/J	MT-TP02-GC	01/04/15

ISTMT Test Summary

Manufacturer:	Prudential Lighting
Model Number:	BIO-FLSH-LED4LO-04-ABW-TMW-D1X-SC-UNV-X1
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	0.16
Input Power (W):	19.29
Input Power Factor:	0.99
Thermocouple #1 (Fig 1) °C:	44.0
Ambient Temperature (°C)*:	25.0 (*Temperature normalized to 25°C)
Stabilization Time (Hours):	5:00
Total Operating Time (Hours):	5:30
LED Driver Catalog Number:	OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
LAMPCAT:	N/A

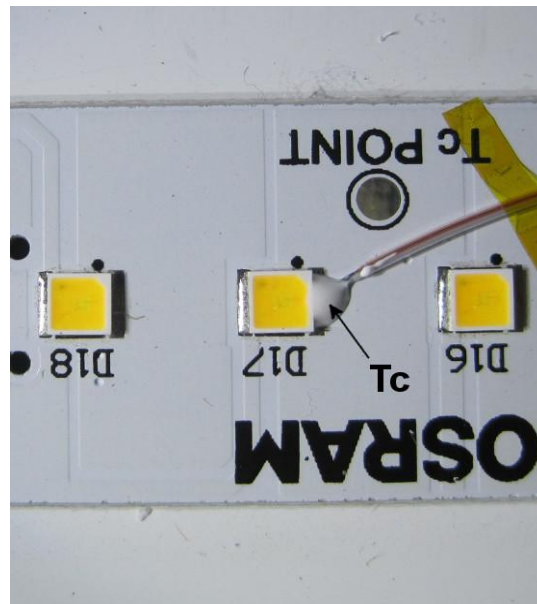


Fig 1: LED Thermocouple #1



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Test Methods

Temperature Measurements - ISTMT

A Fluke 52K/J Digital Thermometer is used to measure the ambient, LED, and power supply/driver temperature. 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.

Test Report Released by:

A handwritten signature in black ink, appearing to read "JAhn", written over a light gray rectangular background.

Jeff Ahn
Engineering Manager

Test Report Reviewed by:

A handwritten signature in black ink, appearing to read "Steve Kang", written over a light gray rectangular background.

Steve Kang
Quality Assurance