



8165 E Kaiser Blvd. Anaheim, CA 92808
p. 714.282.2270
f. 714.676.5558

Report No: L091403101T

Date: 10/7/2014



NVLAP LAB CODE 200927-0

Report No: L091403101T

Report Prepared For: Prudential Ltg.
1774 E. 21st Street, Los Angeles, CA 90058

Model Number: MC-LED3SO-04

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)

Description of Sample: Client submitted the sample. Catalog number is MC-LED3SO-04. Received in working and undamaged condition. No modifications were necessary.

Testing condition: Fixture is tested with no special conditions.

Sample Arrival Date: 9/11/14

Date of Tests: 10/7/14 - 10/7/14

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	--
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 Ltg.
Model Number:	MC-LED3SO-04
Driver Model Number:	OSRAM OT50W/PRG1400C/UNV/DIM/L
LED Chip/Module Model Number:	NICHIA NFSL757D
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	0.31
Input Power (W):	36.74
Input Power Factor:	1.00
Thermocouple #1 (Fig 1) °C:	59.1
Ambient Temperature (°C)*:	25.0
Stabilization Time (Hours):	3:45
Total Operating Time (Hours):	4:15

(*Temperature normalized to 25°C)

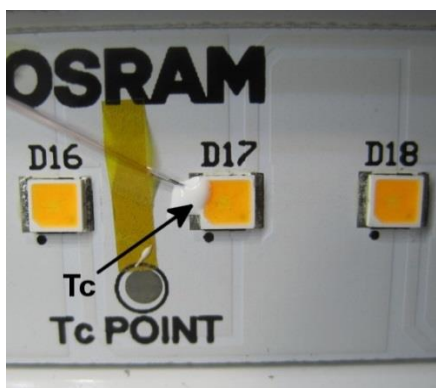


FIG.1 LED Thermocouple #1



FIG.2 Tc Position



FIG.3 Luminaire



8165 E Kaiser Blvd. Anaheim, CA 92808
p. 714.282.2270
f. 714.676.5558

Report No: L091403101T

Date: 10/7/2014



NVLAP LAB CODE 200927-0

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.

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.

Test Report Released by:

Jeff Ahn
Engineering Manager

Test Report Reviewed by:

Steve Kang
Quality Assurance