





Test Report

Customer Company & Address:			
IKIO LED LIGHTING			
ADD: 8470 Allison Pointe Blvd, Suite 128 Indianapolis, IN 46250			
Contact Person:	IKIO		
Phone Number:	(1)844-533-4546	Email Address:	info@ikiotedlighting.com

Relevant Standards:	IES LM-79-2008		
Product Description:	Luminaire Description: Four-foot Linear Replacement Lamps Lamp: 126 white LEDs Ballast/Driver: Integrated Ballast		
Brand Name:	IKIO		
Tested Model Number:	IK-T504-L130-0025-XXA-J		
Product Family:	IK-T504-L130-0025-XXA-J		
Allowable Variations:	Lighting Source CCT		
Electrical Specification:	120-277V AC, 60 Hz, 28 W		

Test Laboratory & Address:			
UL Verification Services (Guangzhou) Co., Ltd.			
ADD: Building A1, 1F & 2F, Nansha Science and Technology Innovation Center, No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China			
Telephone:	+86 20 28667188	Fax:	+86 20 83486605

Sample Reception Date:	2015-11-30	Test Date:	12/1/2015-12/17/2015
-------------------------------	------------	-------------------	----------------------

Tested By	Approved By
 /Duff Yang	 /Derek Zhang
Signatory & Test Personnel Name	Signatory & Approval Name

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.



Test Report



Verification Services
Project No. 4787370116-2
Report No. 4787370116-2c
Report Issued Date: 2016-03-15

Statement of Results

Test Flow	Test Item	Sample ID (Lab)	Pass/Fail/NA
1	In-Situ Temperature Measurement Test	2271806-S1, 2271806-S2	Evaluate by customer

Deviation from Test Method (if any)

N/A

Remark (if any)

1. This report shall not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the US government.
2. The two lamps were tested with an instant start ballast# U-254T5HO-1 which ballast factor is 0.88



Test Report



Verification Services

Project No. 4787370116-2

Report No. 4787370116-2c

Report Issued Date: 2016-03-15

Test Flow 1: In-Situ Temperature Measurement Test (ISTMT)

Environmental Conditions

Temperature: 25.1°C

Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
GVS-LE-DL007	Temperature data logger	2015-08-18	2016-03-11
GVS-LE-PM001	Digital power meter	2015-06-09	2016-06-08

Test Sample

2271806-S1, 2271806-S2

Test Method

In-Situ Temperature Measurement Test is conducted according to the ANSI/UL 1598-2008, Section 14.

The samples were tested fully and properly mounted in the troffer, Lithonia Lithonia 2PM3N G B 2 28T5 18LD MVOLT GEB10PS.

The testing was conducted in a room with ambient temperature of 25°C±5°C.

The apparatus construction followed those described in UL1598-2008 for normal temperature testing. Thermocouples were placed on the LED package in the locations indicated by LM-80 report.

Test Results

Test Type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power Factor	Power(W)
Input	119.98	60	0.401	0.997	47.9

Thermocouple Location	Manufacturer Declared Current (mA)	Temperature (°C)		LED Model Number	LM-80 Limit Current (mA)	LM-80 Limit Temp. (°C)
		Test result #1	Test result #2			
TMP	150	63.6	63.8	67-21S Series (3000K)	150.0	105.0
Ambient Temperature	N/A	24.8	25.0		N/A	

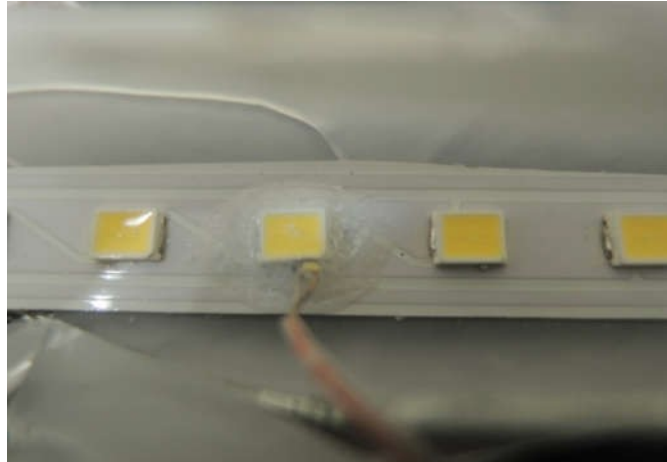
Note – Test result #1 displays actual stabilized temperature. Test result #2 displays the temperature corrected to 25°C ambient (T_{AIR}).



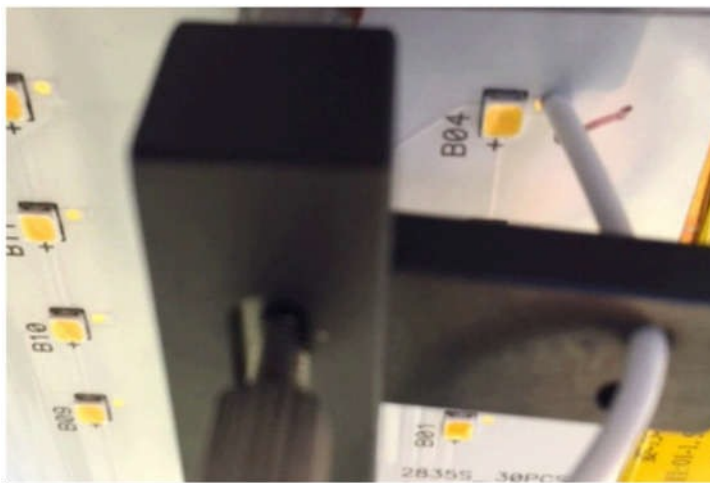
Verification Services
Project No. 4787370116-2
Report No. 4787370116-2c
Report Issued Date: 2016-03-15

Test Report

Test Photos



TMP in LM-80 Report





Test Report



Verification Services
Project No. 4787370116-2
Report No. 4787370116-2c
Report Issued Date: 2016-03-15

Photos of sample(Ballast# U-254T5HO-1 for two lamps)



120 V AC, 60 Hz, 28 W



Test Report



Verification Services

Project No. 4787370116-2

Report No. 4787370116-2c

Report Issued Date: 2016-03-15

Photos of sample(Bare lamp)





Test Report



Verification Services
Project No. 4787370116-2
Report No. 4787370116-2c
Report Issued Date: 2016-03-15

Photos of sample(In Fixture)



120 V AC, 60 HZ, 28 W



End of Test Report