

ISTMT TEST REPORT

For

GREEN CREATIVE LTD

Room 3603, Level 36, Tower 1, Enterprise Square Five, 38 Wang Chiu Road, Kowloon Bay, KL,
Hong Kong

LED Tube

Model: 40T8/8F/XXX/DEB/Fa8

40T8/8F/XXX/DEB/R17d

Laboratory: Leading Testing Laboratories

NVLAP CODE: 200960-0

3rd Floor, Bld. 2, NO. 96 Longchuanwu Rd Qianjiang Economy Dev. Zone, Yuhang Dist,
Hangzhou, Zhejiang Province, China 311100

Tel: +86 571 86376106

www.ledtestlab.com

Report No.: HZ22010016c

The laboratory that conducted the testing detailed in this report has been accredited for SSL by NVLAP.

Review by:



Engineer: April Zou

Jan. 12, 2022

Approved by:



Manager: Jim Zhang

Jan. 12, 2022

Note: This report does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

SAMPLE PHOTO



Sample view

Equipment Under Test (EUT)

Name	: LED Tube
Model	: 40T8/8F/830/DEB/Fa8 40T8/8F/830/DEB/R17d
Electrical Ratings	: 120-277V, 50/60Hz, 40W
Product Description	: 3000K Manufacturer of light source: Lumileds Holding B.V. Model of LED light source: L128-3080RA3500***

Test specifications:

Date of Receipt	: Mar. 10, 2021
Date of Test	: Mar. 26, 2021
Test item	: In-Situ Maximum Temperature
Reference Standard	: ANSI/UL 8750-2011 Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 1993 Self-Ballasted Lamps and Lamp Adapters

Test Summary:

Sample Tested: **40T8/8F/830/DEB/Fa8**

Test ambient temperature was 25.0 °C.

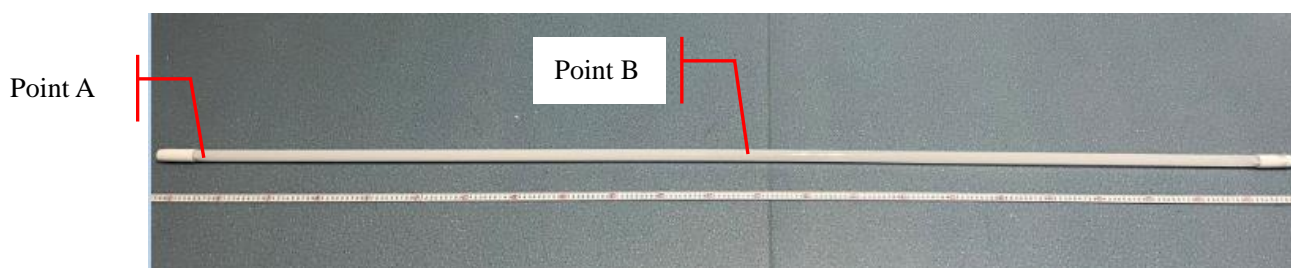
Test orientation was base up.

Model of light source: L128-3080RA3500***

The stabilization time of the sample was 7.5 hours.



View of In-Situ Point- Ts



Location of In-Situ Point from overall view

Input Voltage (V)	Input Power (W)	Tested LED source current (mA)	Measured In-Situ Maximum Temperature(Corrected to Ta=25°C)	
			Point A	Point B
120.0	40.22	61.2	47.9	60.9
277.0	40.31	59.4	47.9	61.9

EQUIPMENT LIST

Test Equipment	Model	Equipment No.	Calibration Date	Calibration Due date
Digital Power Meter	PF2010A	HZTE028-01	Aug. 05, 2020	Aug. 04, 2021
AC Power Supply	PCR 500L	HZTE001-07	Aug. 05, 2020	Aug. 04, 2021
Temperature Meter	TES1310	HZTE017-02	Aug. 05, 2020	Aug. 04, 2021
Temperature and humidity recorder	JR900	HZTE018-01	Aug. 05, 2020	Aug. 04, 2021
Multi-Meter	FLUKE15B	HZTE020-01	Aug. 05, 2020	Aug. 04, 2021

Table 1: Test Equipment List

TEST METHODS

The tests were conducted in an ambient temperature of 25 ± 5 °C. Ambient temperature variations above or below 25 °C shall be respectively subtracted from or added to temperatures recorded at points on the device.

The test shall be continued until constant temperatures are obtained. A temperature is considered to be constant if:

- The test has been running for at least 3 hours, and
- Three successive readings, taken at 15 minute intervals, are within 1 °C of one another and are still not rising.

The thermocouples had conductors no larger than No. 24 AWG (0.21mm^2) and no smaller than No. 30 AWG (0.05mm^2). The thermocouple wire shall conform to the requirements for thermocouples as listed in the table of special limits of error of thermocouples in ANSI/ISA MC96.1.

The lamp was installed in the temperature test box to simulate intended usage, in accordance with the manufacturer's instructions.

The temperature test box shall be a steel or aluminum cylinder, closed at the top. The smaller cylinder shall be 152 mm (6 in) in diameter and 216 mm (8.5 in) deep, while the larger cylinder shall be 203 mm (8 in) in diameter and 280 mm (11 in) deep. The cylinders shall be fabricated of steel or aluminum, having a thickness between 0.76 and 1.27 mm (0.03 and 0.05 in). The cylinders shall be painted white on all sides. Each cylinder shall be installed in a rectangular test box having four sides, a top, and bottom. The cylinder shall be flush to the test box bottom and the wood bottom shall have an opening the size of the cylinder diameter. The test box sides shall be constructed of plywood described in Clause 9.4.1. Three sides and the top shall be 13 mm (0.5 in) from the nearest part of the cylinder. The fourth side shall be 76 mm (3 in) from the nearest part of the cylinder. The supply lampholder shall be porcelain coated and have a cast metal cap bearing against the cylinder top.

*** End of Report ***

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