

TEST REPORT

Prepared For

GREEN CREATIVE LTD

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

Model:
NYXDM8RD/M9CCT5S/DUALDIM/MD/WBW

Report Type:	Report is prepared for the client above to present the result of measured temperature of samples which is usually used to project the lumen maintenance life of lamp lighting products
Reviewed By:	Ezer Pan <i>Ezer Pan</i>
Report Number:	KS2231204-72559E-EE-2
Test Date:	2023-12-11
Report Date:	2024-04-18
Approved by:	Blake Zhang / EE Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 5F (B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D Shihua Road, Futian Free Trade Zone Shenzhen 518038 China. Tel: +86-755-33320018 Fax: +86-755-33320008
Test Facility:	Test facility was located at Room 301, No.113, Pingkang Road, Dalang, Dongguan, Guangdong, China.

1. General Information[#]

Product Description for Equipment under Test (EUT)

One test sample was in good condition and received on 2023-12-04, and used for testing. All tests and evaluations were performed at the most consumptive white light setting.

Product Type	LED recessed downlight
Manufacturer	GREEN CREATIVE LTD
Product Model Number	NYXDM8RD/M9CCT5S/DUALDIM/MD/WBW
Driver Model	ADJDRIVER54/DUALDIM/1200/KC
Rating	120-277V,50/60Hz 25W/30W/41W 2700K/3000K/3500K/4000K/5000K
Lamp Type	LED Package
Lamp Model Number	L128-xxxxRA35xxxxx
Lamp Manufacturer	Lumileds Holding B.V.

Family Declaration:

GREEN CREATIVE LTD declares that there are some differences between multiple models and tested model. Details as below:

Tested Model	Multiple Models	Variations	Details	Additional Test
NYXDM8RD/M9CCT5S/DUALDIM/MD/WBW	NYX**8RD/M9CCT5S/DUALDIM/@/@/ &&&	mounting construction & Diffuser type & Reflector-Color	<p>The**denote the Mounting constructon, could be NC DM or ICAT NC: New-Construction Frame; DM: Direct-Mount. ICAT: New Construction with IC cover</p> <p>The@@ denote diffuser type, it can be WD or MD; MD means 60D beam angle; WD means 80Dbeam angle.</p> <p>The &&& denote the Reflector Color, it can be CC CW WW BB BBW and WBW. CC means Clear Reflector Clear Flange. CW means Clear Reflector White Flange. WW means White Reflector White Flange. BBW means Black Baffle Reflector White Flange. BB means Black Reflector Black Flange (Dead Front). WBW-means White Baffle Reflector White Flange.</p>	None

2. Reference Standard

- ANSI/UL 1993-2012 Standard for Safety of Self-Ballasted Lamps and Lamp Adapters



Bay Area Compliance Laboratories Corp. (Shenzhen)

5F (B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial
Building D Shihua Road, Futian Free Trade Zone Shenzhen 518038 China.

- ANSI/UL 8750-2015: Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
- ANSI/UL 153-2002: Standard for Safety of Portable Electric Luminaires
- ANSI/UL 1598-2008: Standard for Safety of Luminaires

3. Test Equipment

Device	Manufacture	Model No	Serial No	Calibration date	Calibration due date
Multimeter	FLUKE	115C	N/A	2023-09-02	2024-09-01
Hybrid Recorder	YOKOGAWA	DR240	10#	2023-11-10	2024-11-09
AC POWER SUPPLY	HengPu	HPA 1103	0003394	2023-09-02	2024-09-01

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attested that all calibration has been performed using suitable standards traceable to National Primary Standards and International System of Units (SI).

4. Test Data

Test Method:

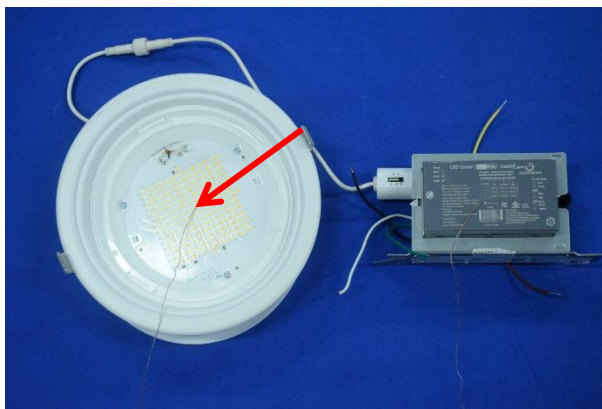
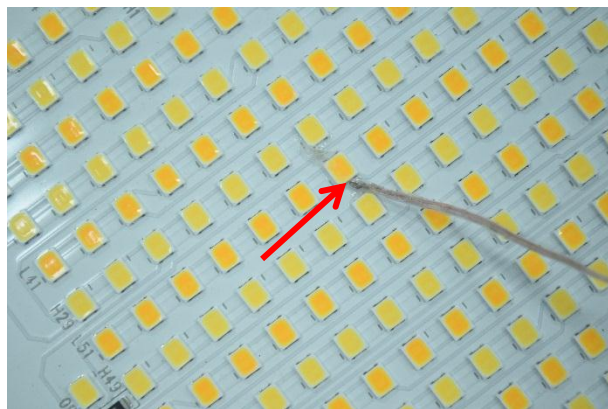
The sample was operated until constant temperatures were obtained. A temperature was considered constant if the sample was operating for at least three hours and upon three successive readings - taken at 15 minute intervals - were within one degree and were not rising. Thermocouples were attached at locations described in the results by means of a cement made of water glass and Fuller's earth, solder, or epoxy.

The LED which has the highest temperature was measured at the location of LED case which is specified by LED source manufacturer and detailed by LM-84 report.

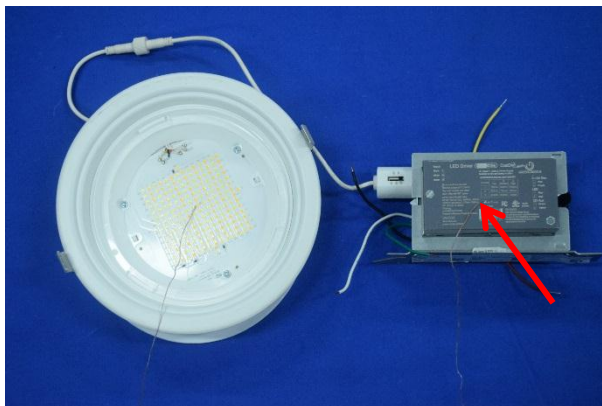
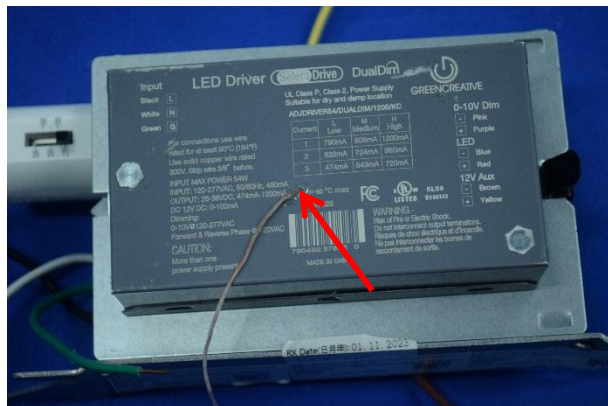
The drive current of LED package/module/ array was calculated as the total output current of the driver measured by multimeter, divided by the number of branches in parallel of LEDs.

TMP Photo:

Temperature measurement point on TMP_{LED}



Temperature measurement point on TMP_C (For Premium Level Application)



Temperature Measurement Data

Test Condition

Ambient Temperature: 25°C±5°C

Relative Humidity: 51.3 %

Supply voltage: 120 V 60 Hz

Type of thermocouples: T

Test Duration: ≥3.5Hours

Test Result

Hottest TMP_{LED}: 76.1°C

TMP_C: 50.7°C

Forward Current(I_F): 120.4mA

5. EUT Photo



Directions

1. The information marked "superscript #" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $K=2$ with the 95% confidence interval.
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*****END OF REPORT*****