

TEST REPORT

Product Name: Fixed LED lighting fixtures (linear lights)

Product Model: LLS-OP-W20B-L10-DMX

Test Category: commission detection

Customer: TPK OPTOELECTRONIC TECH CO., LTD

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report time: April 22, 2025

广东泰然实业有限公司
TPK OPTOELECTRONIC TECH CO., LTD

Test report

Test items	Switch shock test
Test Object	LLS-OP-W20B-L10-DMX
Detection Purpose	Verify the on-off shock degree of the LLS-OP-W20B-L10-DMX lamp
Test time	2025-4-20
Testing equipment	Impact test tooling equipment, test leads, controllers, power supply

Final test conclusion: The LLS-OP-W20B-L10-DMX sample lamp can pass the 28,800 impact test requirements; The results of this test are only responsible for the sample results.

Test standard: IES TM-21
Test data:
1. Record the state of the sample before the test.



Product in good condition

Test method:

2. Place the LED lamps in a normal temperature environment of 25°C to 35°C :

3. Adjust the flickering speed of the LED light to the minimum frequency through the controller

4. Time 4.20-4.22 Turn on the power (48V), keep the light on for 48H, and observe whether the lamp is damaged, the material is deformed due to heat, or the lamp is dead or not functioning properly

5. After the lighting test, the lamp is controlled by a switch to perform an impact test in this environment, with the test set as lighting for 3 seconds, turning off for 3 seconds, and 10 cycles of 1 minute. 1 hour 600 times, 48 hours 28,800 times



Test Requirements

6. No abnormal phenomena such as paint peeling, discoloration, cracking or material deformation should occur on the surface of the lamp after the normal temperature voltage stabilizing test
7. After a long impact test, the lamp should not have electrical abnormalities such as leakage or failure to light up

Test results



Unilateral functional color (R-G-B-W- Full brightness)

8. Record the appearance data and function data of the sample after the power on/off impact test: no abnormal phenomena such as not lighting

Test results:

The above-mentioned test data proved that the LLS-OP-W20B-L10-DMX lamp did not show any functional abnormalities after a total of 28,800 on-off impact tests.