

TEST REPORT

Product Name: Fixed LED lighting fixtures (linear lights)

Product Model: LLS-OP-D50-L12

Test Category: Switch impact test

Customer: TPK OPTOELECTRONIC TECH CO., LTD

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report time: JUL 3, 2025

广东泰然实业有限公司

TPK OPTOELECTRONIC TECH CO., LTD

Inspection report

Test items	Switch impact test
Object to be tested	LLS-OP-D50-L12-RDM-P
Detection Purposes	Verify the number of switch impacts of LLS-OP-D50-L12-RDM-P luminaires
Test time	2025.6.24-2025.7.2
Inspection equipment	Switch impact test tooling equipment, test leads, controllers

Final test conclusion: LLS-OP-D50-L12-RDM-P sample luminescent fixtures can pass 10080 impact test requirements; The results of this test are only responsible for the results of the sample.

Test criteria: Industry experience

Test data:

1. Record the status of the sample before testing.

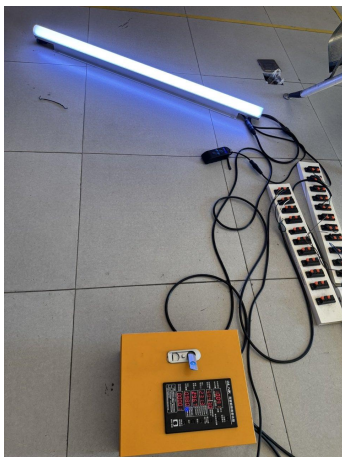


Product in good condition

Test method

2. Place the LED luminaires in a room temperature environment of 25 ° C to 35 ° C:
3. Set the flickering speed of the LED lights to the minimum frequency via the controller
4. Time 6.24-7.2 Turn on the power (220V), light for 168 hours, and observe for any damage to the lamp, deformation of the material due to heat, dead lamp or malfunction of the lamp
5. After the lighting test, the lamp is controlled by a switch to undergo a shock test in this environment. The test is set to light for 30 seconds, then turn off for 30 seconds, and repeat 60 times for 1 hour. 1,440 cycles in one day and 10,080 cycles in seven days

Test procedure:



Test Requirements

6. The luminaires must not have electrical anomalies such as leakage or failure to light up after prolonged impact tests

Test results



Single test function color (R-G-B-W- all bright)

7 Record the functional data of the sample after the switch impact test: no abnormal phenomena such as non-lighting

Test results:

The above-mentioned test data prove that the LLS-OP-D50-L12-RDM-P luminescent has no functional abnormalities after a total of 10,080 on-off shock tests.