

TEST REPORT

Product Name: Fixed LED lighting fixtures (linear lights)

Product Model: LLS-OP-W30A

Test Category: Safety test

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

Test report

Test items	Safety test (grounding, withstand voltage, insulation)
Test Object	LLS-OP-W30A-L9-DMX
Detection purpose	To verify and confirm whether the safety performance of the LLS-OP-W30A-L9-DMX lamp meets the standard requirements
Test time	Start 2025-6-4 End: 2025-6-4

Testing equipment: Withstand voltage tester, ground tester, insulation tester, multimeter, crimping meter, connecting wire, power supply

Test methods and procedures:

1. Measure whether the lamp body is safe and normal, light up the lamp to confirm
2. Use a ground tester to measure whether the values are within the standard requirements
3. Use a withstand voltage tester to measure whether the values are within the standard requirements
4. Use an insulation tester to measure whether the values are within the standard requirements
- 5 Confirm the lamp after the test, light up confirmation function (R-G-B-W- all on)

Test result: The LLS-OP-W30A-L9-DMX lamp did not show any unqualified situations in the safety regulations tests (grounding, withstand voltage, insulation), and its functions were normal. The conclusion of this experiment is only responsible for the samples.

Test standard: Requirements of the document

At present, when the instrument automatically stops the test within the specified time, it indicates that the product test has passed.

5. When installing on the diode, if the substrate has the warning sign "ground over limiter", cut out the negative terminal of the ground wire to avoid the risk of short circuit, please pay attention to the "Note" to start.

Notes:

1. The operation of the instrument must also follow the production test device disconnection operation process (light).
- 2.4 During each test, the school must not be open.
3. The alarm will be triggered only when the overcurrent exceeds 30 hours.
4. After reading the test, if it is in the "reading position" state, the wiring can be removed.
5. (Optional) "upward" is used to set the pressure in the case of the push camp as, measure the lift down.

3. Operation check contents and methods:

Prepare for one month with gold ginseng dance 0.10 336

# Mouth	Test current	Notes
By rotation	1000	1. 0.10 336
hair	Alarm	
	Not alarm	

3. Notes

2. Before the test, please read the right instruction and the upper drawing test device, including the test method, Our Unit instructed him to study and explain the characteristics, methods and safety items of the test device.
2. In preparation, the three principles have been combined to indicate safety and accuracy

Swim all three eyes and stay

4.6 Each LWS (through the above-mentioned steps and annotations, it can ensure the accuracy and safety of the electrical appliance test, and also determine whether the equipment white clear record is good >

4. Insulation standards

The reading (longitudinal value > 230) and thickness > 0.05mm (general through monthly)

4.8.1 New In addition to 18 sheet energy insulation method 2 (20-17559) 2, there are also advanced lighting fixtures such as Kaji

2 New The electric (40-2753) 2 protective square flower lamp, its continuation result does not vary with the previous generation.

3 Use the extra safe pressure (SEV) for the non-Lake

When a malfunction of the instrument is detected, it should be stopped immediately and (and immediately). First, disconnect the power supply, then unplug the power plug and notify the inspection or engineering department for maintenance. During the test, no one else except the designated technical management personnel is allowed to adjust the instrument 11. Contents and methods of inspection inspection:

1) Check box parameters 3500V 5mA

2) When an instrument fails the operation check, products that have been tested with the instrument from the last operation check to the current operation check must be retested with the instrument that passed the operation check.

The results at the NG end are determined as follows:

Port	Test voltage	Phenomenon	Judgment	Notes
Through standard	1500V	Alarm	Unqualified	Test result for the test
		Do not alarm	Qualified	
NG end		Alarm	Qualified	
		Not alarm	Unqualified	Test result for the test

2) When an instrument fails the operation check, products that have been tested with the instrument from the last operation check to the current operation check must be retested with the instrument that passed the operation check.

Confirm before test: Measure whether the lamp body is safe, light up to confirm that the lamp is lit properly



Test data:

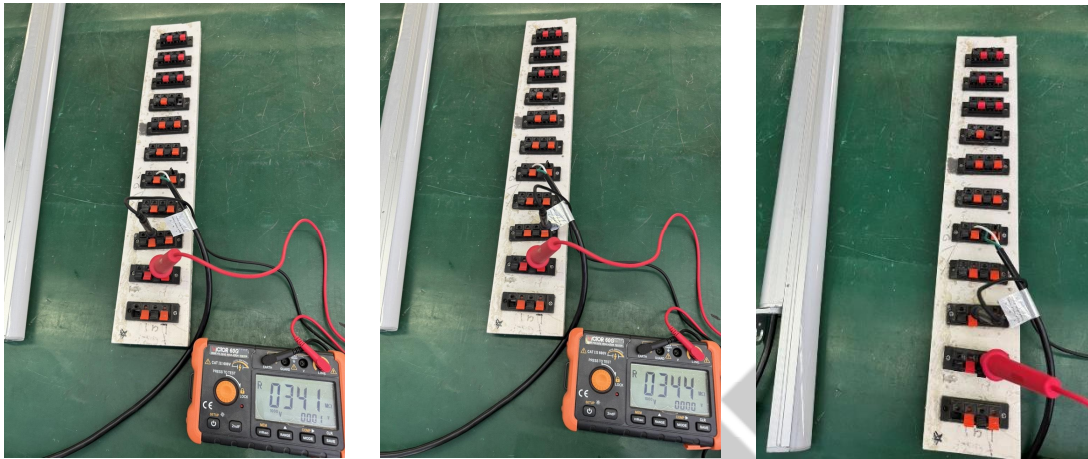
1. Grounding test: Test using a grounding tester (test qualified)



2. Withstand voltage test: Test the lamp using a withstand voltage tester (Test qualified)



3. Insulation test: Test the lamp using an insulation tester (Test qualified)



Confirm after the test: Functioning properly (R-G-B-W- all bright)

