



TEST REPORT

EN 60529

Applicant: TAIZHOU TAILI LIGHTING CO., LTD
Address: Unit 2, 2nd floor, NO.11 Building, Caideng Park, Dongcheng, Linhai, Zhejiang, CN
Manufacturer: TAIZHOU TAILI LIGHTING CO., LTD
Address: Unit 2, 2nd floor, NO.11 Building, Caideng Park, Dongcheng, Linhai, Zhejiang, CN

The following sample(s) was/were submitted and identified on behalf of the clients as :

Sample Name: LED string lights
Model Number: A_X_240 (See model list in page 2)
Model difference: These models have the same circuit diagram, construction, only the model name and appearance are different.
Sample Received Date: October 22, 2024
Testing Period: October 23, 2024 to October 26, 2024
Report No.: LTR24102402HS

Test Requested:	Test Sequence	Test Item
	1	IP4X test
	2	IPX4 test

Test Method: According to EN 60529:1991+A1:2000+A2:2013

Test Result(s): Please refer to the following page(s).

Test Conclusion: PASS

Compiled by:

Project Engineer

Reviewed by:

Project Engineer

Approved by:

Assistant Manager



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Guangdong Link Certification Group Co., Ltd.



Model list

Product:	LED string lights
Model:	A_S_100, A_F_500L, A_F_1000L, A_S_100_B, A_S_200_B, A_S_100_S, A_S_200_S, A_S_100_X, A_I_306, A_I_360, A_I_432, A_I_486, A_I_564, A_C_300, A_C_600, A_N_360, A_N_360, A_P_100, A_P_300, A_X_300, A_X_350, A_X_480, A_X_552, A_D, A_C, A_B, A_X1_X2_X3 X1: represents the light string type: S light string, I is icicle light, C curtain light, N is net light, F is firecracker light, P leather wire light, X is other X2: indicates the number of lights: 1-2000 X3: represents the appearance of colored lights: B: round ball, S: star, C6: C6 shape light, C9: C9 shape light, SN: snowflake, X: other For example, the adapter bare light string 100 lights: A_S_100

**1. Test item: IP4X test****(1) Detection equipment and instruments**

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Test probe	Φ1.0mm	Lintek-SE078	Zhitong	2025/9/25
Dust tester	WH-SC1000	Lintek-SE166	WEWON	2025/9/25

(2) Environmental Conditions:

Temperature: 24℃ Humidity: 57%RH

(3) Tested Sample: Sample 001**(4) Test Basis: EN 60529:1991+A1:2000+A2:2013****(5) The test performed in accordance to the criteria listed above, and under the conditions as below:**

- 1) The Test probe of 1 mm diameter is pushed against any opening of the sample with force of 1 N;
- 2) Power on the sample 0.5~1h, to normal working temperature;
- 3) Set the samples in the dust chamber, The talcum powder to be used is 2 kg/ m³ of the test chamber volume;
- 4) The blower causing the talcum powder to be in suspension is switch on; The test shall be continued for a period of 8h.
- 5) After test, the samples are switched off and allowed to cool for 3h whilst the talcum powder remains in suspension.

(6) Test results

Sample No.	Sample name	Test Results (visual observation)
001	A_X_240	Test probe can not penetrate into opening of the samples. No dust entered into the sample, the sample passed the IP4X test.

**2. Test item: IPX4 test****(1) Detection equipment and instruments**

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Water test device	PL-IPX4	Lintek-SE171	VINOPS	2025/9/25

(2) Environmental Conditions:

Temperature: 24℃ Humidity: 57%RH

(3) Tested Sample, Sample 002**(4) Test Basis: EN 60529:1991+A1:2000+A2:2013****(5) The test performed in accordance to the criteria listed above, and under the conditions as below:**

- internal diameter of the nozzle: 6.3 mm;
- delivery rate: 10.0 L/min $\pm$ 5 %;
- water pressure: to be adjusted to achieve the specified delivery rate;
- core of the substantial stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle;
- test duration per square metre of enclosure surface area likely to be sprayed: 1 min;
- minimum test duration: 5 min;
- distance from nozzle to enclosure surface: between 2.5 m and 3 m.

(6) Test results

Sample No.	Sample name	Test Results (visual observation)
002	A_X_240	No water entered into live parts of the sample, the sample passed the IPX4 test.

SAMPLE PHOTO(S):**Photo 1****Photo 2**



Photo 3



Photo 4

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