

TEST REPORT

No. : SHIN2002006126MR

Date : Mar 11, 2020

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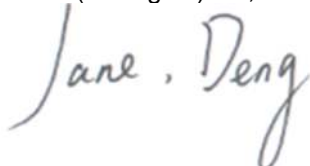
CUSTOMER NAME: CIXI LEONLUX TECHNOLOGY CO.,LTD
ADDRESS: NO.36 XUJIA, YIYUAN VILLAGE, ZONGHAN STREET, CIXI 315300, CHINA

Sample Name : LED luminaire
Product Specification : 33A02, 33A03, 33A04

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : NBES2002000463TX
Date of Receipt : Feb 26, 2020
Testing Start Date : Feb 26, 2020
Testing End Date : Mar 11, 2020
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Service (Shanghai)Co., Ltd.



Jane Deng
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	IP6X	IEC 60529:1989/AMD2:2013/COR1:2019 and client's requirement	No dust ingress	/
2	IPX9K	ISO 20653:2013 and client's requirement	No water ingress	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample:



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1. Test Item: IP6X

Sample Description: LED luminaire

Test Method: IEC 60529:1989/AMD2:2013/COR1:2019

Client's requirement: No negative pressure

Test Condition:

Test Dust: Talcum powder

Dust Concentration: 2 kg/m³ chamber volume and be kept in suspension during the test

Test Duration: 8 hours

Lab Environment Condition: 18 °C ~28 °C, 25%RH~75%RH

Test Result:

Sample No	Test result
1	No dust ingress.

Test Photo:



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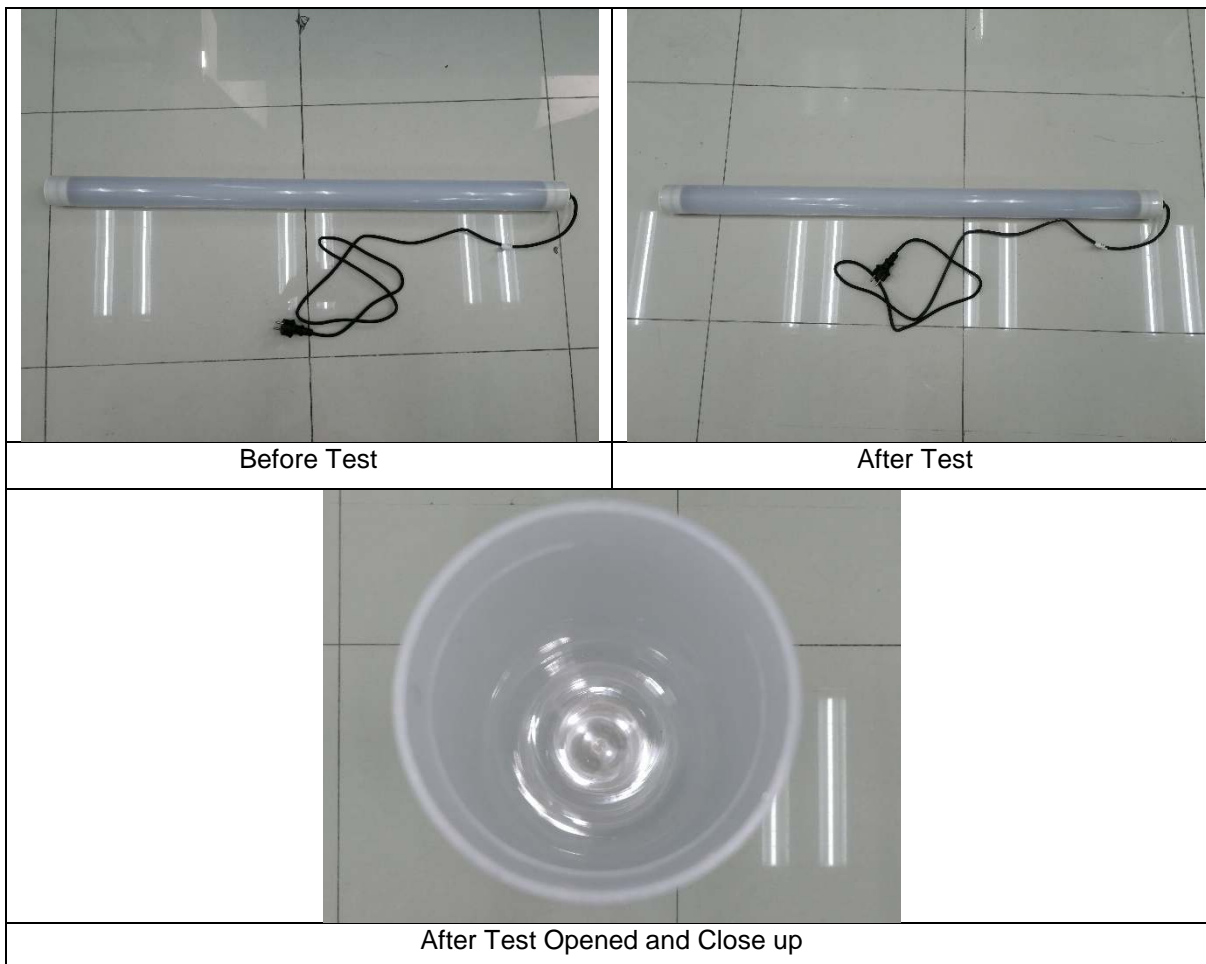
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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Dust test chamber	TK6070iQ	P-614	2019-10-18	2020-10-17



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2. Test Item: IPX9K

Test Method: ISO 20653:2013

Client's requirement: Turntable not rotating

Test Condition

Jet angle: 2507

Water flow: (14~16) L/min

Water pressure: (8000~10000) kPa

Water temperature: (80±5) °C

Test angle: 0°, 30°, 60°, 90°

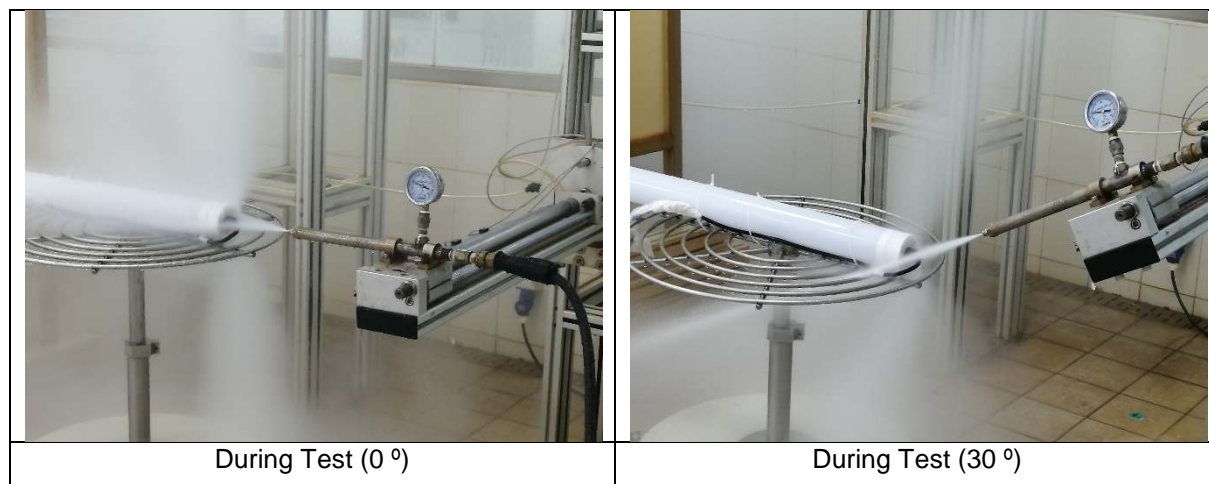
Test distance from jet to Sample: (100~150) mm

Test duration: 30 s/position

Test Result:

Sample No	Test result
1	No water ingress.

Test photo:



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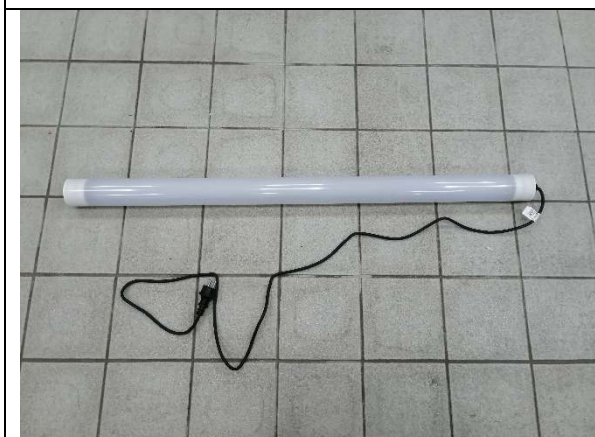
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During Test (60 °)



During Test (90 °)



Before Test



After Test

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After Test Opened and Close up

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
High pressure water device	HDS 13/20-4 S	P-279	2019-12-20	2020-12-19
Pressure gauge	0-6000Psi	P-279-1	2019-4-22	2020-4-21
Steel ruler	0-30 cm	P-279-3	2019-12-10	2020-12-9

***** End of report*****



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