

TTS



No.: DZ1405280338-1

TEST REPORT

Sample Name: LED Street Light

Applicant Name: MIC OPTOELECTRONIC CO.,LTD

Manufacturer: /

Supplier: /

Buyer: /

MIC Optoelectronic Co.,Ltd



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TEST REPORT

NO.: DZ1405280338-1

Date: May 23, 2018

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Applicant Name: MIC

Address: Shenzhen, China

Sample Information

Sample Name: LED Street Light

Sample No.: ZH1405230338-1

Sample Model: MSL-90W

Sample Size: 548mm*230mm*127mm

Sample Weight: 5kg

Sample Quantity: 1 PC

Sample Description: Normal

Cover items: MSL-(30W, 40W, 50W, 60W, 80W, 90W, 100W, 120W, 150W, 180W, 200W, 240W, 300W)

Test Information

Test Items: IP66

Received Date: May 22, 2018

Testing Date: May 23, 2018

Preconditioning: /

Test Result

Test Items	Criterion	Test Result	Conclusion
IPX6	After IPX6 test, there is no water getting into the sample.	Meet the requirement.	Pass
IP6X	The test stick whose diameter is 1.0mm can not enter into the gap of sample. After IP6X test, there is no dust getting into the sample.	Meet the requirement.	Pass

Authorized: *Sun*

Checked: *Doris*

Tested: *maggio*



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Test Item 1: IPX6

1. Test Standard: GB 4208-2008

2. Test Equipment:

Equipment Name	Equipment Model	Equipment No.	Calibration Useful-life
Nozzle	Φ12.5mm	TTS-YQ-090	Jan 20, 2015

3. Test Remark & Notes:

(1) Use spray nozzle to spray water on the sample in all directions, and the test conditions are as below:

--- Inside nozzle diameter: 12.5mm

--- Water flow: (100±5)L/min

--- Water pressure: Adjusting as the required water flow

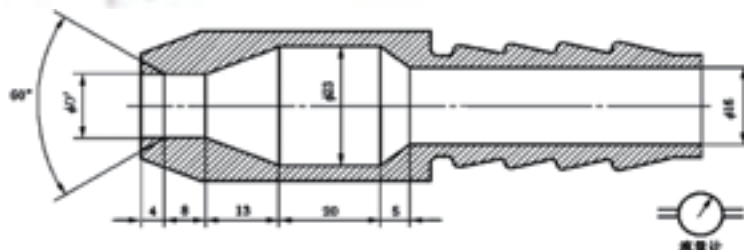
--- Center part of the main flow:

The round which diameter is 120mm and 2.5m away from the spray nozzle

--- Test time: 3min

--- The distance between spray nozzle and surface of the cover: 2.5m to 3m

(2) Check if water getting into the sample (Only check the LED light side).



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Test Item 2: IP6X

1. Test Standard: GB 4208-2008
2. Test Equipment:

Equipment Name	Equipment Model	Equipment No.	Calibration Useful-life
Dust Proof Chamber	SC-010	TTS-YQ-080	Feb 20, 2018
D Test Stick	FZ-1107-C	TTS-YQ-088	Feb 20, 2018

3. Test Remark & Notes:

- (1) Observe whether the test stick whose diameter is 1.0mm could enter into the gap of sample.
- (2) Place the sample into the Dust Proof Chamber, the quality of talcum powder used for the test shall be $2\text{kg}/\text{m}^3$.
- (3) The sample shall then be connected to a vacuum pump which maintains the air pressure inside the sample below atmospheric air pressure, the differential pressure is 2kPa.
- (4) The rate of air flow is 40 to 60 volumes per hour, the test duration is 2h.
- (5) Check if dust getting into the sample (Only check the LED light side).



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Appendix: Test Pictures

Pre-test:



The Sample

Testing:

IPX6:



IP6X:



The test stick can not enter into the gap

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Post-test:

IPX6:

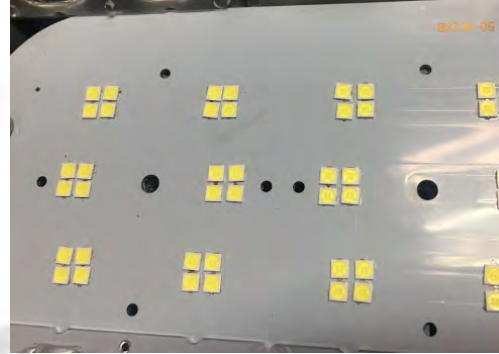


No water getting into the sample

IP6X:



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No dust getting into the sample

- - - END OF THE REPORT - - -



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