



Test Report

Sample Name	: LED Underwater Light
Sample Model	: See the page 3
Inspection Classification	: Commission test
Manufacturer	: RISE OPTOELECTRONICS CO., LTD.
Client	: RISE OPTOELECTRONICS CO., LTD.



Guangzhou LCS Compliance Testing Laboratory Ltd.





Test Report

Client : RISE OPTOELECTRONICS CO., LTD.
Address : Building 4A, Kelunte Ind.Park, Ganli Six Road, Buji, 518112 Shenzhen, CHINA
Manufacturer : RISE OPTOELECTRONICS CO., LTD.
Address : Building 4A, Kelunte Ind.Park, Ganli Six Road, Buji, 518112 Shenzhen, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client:

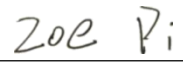
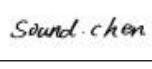
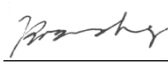
Sample Name : LED Underwater Light
Sample Model : See the page 3
Sample Quantity : 1PC
Sample tested Status : Normal
Sample received Date : Nov.1, 2023
Sample tested Date : Nov.1, 2023

Trade mark : 

Test result information:

Test item : IP68
Test standard : IEC 60598-1: 2020
Test result : PASS

Remark : Customer statement: All models are identical including the construction, circuit diagram, the report choose the model 88185 as the main test model. other models testing result refer to the model 88185.

					
Edited by	Zoe Pi	Checked by	Sound Chen	Approved by	Kizard Zhang
	Nov.1, 2023		Nov.1, 2023		Nov.1, 2023





Test Report

The model list

88139	88101	88131	88136	88137	88138
88105	88106	88107	88108	88129	88103
88104	88133	88135	88132	88134	88156
88157	88175	88176	88177	88178	88179
88185	88186	88250	88251	88252	88254
88255	88454	88456	88455	88458	88459
88460					





Test Report

Test Item1: IP6X

1) Environment conditions:

Temperature: 22.9°C Humidity: 57%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity	Sample Description
C10183020-001	LED Underwater Light	88185	1PC	Normal

3) Reference Basis: IEC 60598-1: 2020

4) Test Condition:

1. Dangerous parts protection test:
 - 1) The Test probe of 1 mm diameter is pushed against any opening of the sample with force of 1N.
2. Solid foreign body protection test:
 - 1) Switch on the sample under the rated voltage,keep enough time and bring sample to a stable operating temperature.
 - 2) Place the sample into dust Tester in the current state, turn on blowing dust for 1 minute, then turn off blowing dust and keep for 3hours.
 - 3) Dust content of Dust Tester :2 kg/m³.
3. Judgment: After the test, no dust entered the sample.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Valid Date to
1	Dust test chamber	GLCS-S-187	Aug.13, 2024
2	IP4X standard probe	GLCS-S-255	May 11, 2024

6) Test Results:

Sample No.	Test Result	Judgment
C10183020-001	After the test, no test dust entered the sample.	PASS





Test Report

Sample Photo before the Test:



Appearance inspection



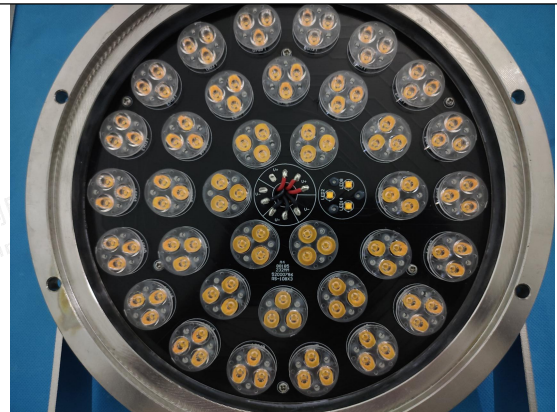
Sample Photo during the Test:



Sample Photo after the Test:



Appearance inspection



Inside inspection





Test Report

Test Item2: IPX8

1) Environment conditions:

Temperature:23.2 °C Humidity: 55%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity	Sample Description
C10183020-001	LED Underwater Light	88185	1PC	Normal

3) Reference Basis:IEC 60598-1: 2020

4) Test Condition:

1. Immersion test: Heat the lamp by lighting or other appropriate methods to ensure that the temperature of the lamp shell is 5-10 °C higher than the water temperature in the test bucket, and turn off the power supply;
 - 1) Immersion depth: 1m(The lamp is subjected to a water pressure equivalent to 1.3 times the pressure generated by its rated maximum immersion depth);
 - 2) Test duration: 30min;
2. Electric strength test:
 - 1) Voltage: 500V a.c;
 - 2) Test duration: 60s;
 - 3) Test points: Between the input and the shell.
3. Judgment: After the test, no water entered the sample, electrical strength test meets the requirements.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Valid Date to
1	IPX7	GLCS-S-141	May 11, 2024
2	AC hipot tester	GLCS-S-019	May 11, 2024

6) Test Results:

Sample No.	Test Result	Judgment
C10183020-001	After the test, no water entered the sample, electrical strength test meets the requirements.	PASS





Test Report

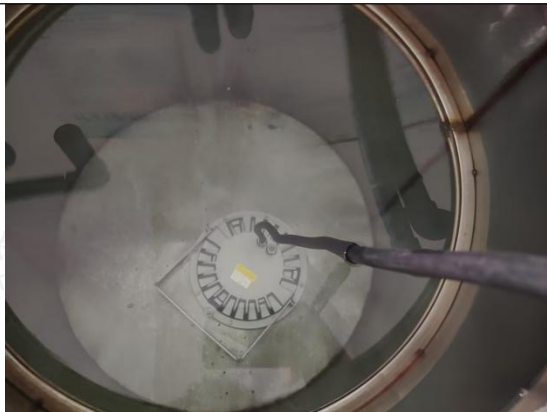
Sample Photo before the Test:



Appearance inspection



Sample Photo during the Test:



Immersion test

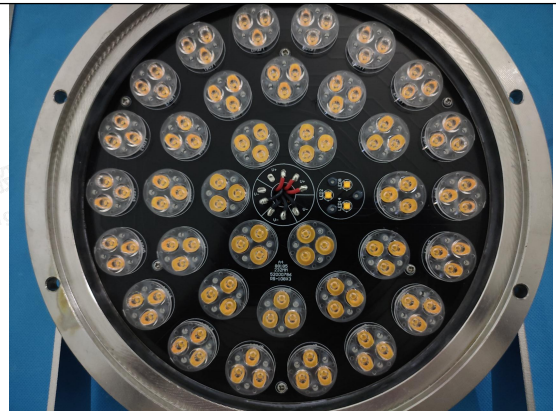


Electric strength test

Sample Photo after the Test:



Appearance inspection



Inside inspection





Test Report

NOTES:

1. The report be without test report seal is considered as INVALID.
2. The content of reports cannot be copied without written consent of lab.
3. The report will be invalid without signature of testing person, review person and approved person.
4. Report will be invalid if altered.
5. If there is any objection to the test report, it should be submitted to the lab within 15 days.
Otherwise, objection invalid.
6. Lab is responsible to the testing samples only.
7. The report is only for use of internal by customer or scientific research.
8. The applicant and manufacturer's information, product name, model, trademark and other information in this report are provided by the applicant, and the laboratory is not responsible for verifying their authenticity.

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**** End of Report ****



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