



中国认可
国际互认
检测
TESTING
CNAS L4136



Test Report

Reference No...... : WTA25H11312263P
Applicant..... : Zhongshan City Sunde Lighting CO.,LTD
Address..... : 6F-1, Building 1, No. 11, Yuxiang Dongdi Street, Henglan Town,
Zhongshan City, Guangdong Province, China
Manufacturer..... : Zhongshan City Sunde Lighting CO.,LTD
Address..... : 6F-1, Building 1, No. 11, Yuxiang Dongdi Street, Henglan Town,
Zhongshan City, Guangdong Province, China
Product Name..... : LED FLOOD LIGHT
Model No...... : Vigano series

Test specification..... :

Serial number	Test item	Test standard
1	IPX6	According to standard IEC 60529:1989+A1:1999+A2:2013
2	IP6X	According to standard IEC 60529:1989+A1:1999+A2:2013

Date of Receipt sample..... : 2025/11/26
Date of Test..... : 2025/12/04 to 2025/12/07
Date of Issue..... : 2025/12/08
Test Report Form No...... : TRFEN-SE-001-V01
Test Result..... : See next page

Prepared By:
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Inspected by:

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1. Test item: IPX6 test

(1) Detection equipment and instruments

Equipment Name	Model	Serial No.	The calibration date	Valid Date to
Water spray test device	PL-IPX56	WTHP1067A1-001	2025/01/02	2026/01/01

(2) Environmental Conditions:

Temperature: 24.3 °C

Humidity: 59.0 %RH

(3) Tested Sample: WTA25H11312263P_S-01

(4) Test Basis Standard: IEC 60529:1989+A1:1999+A2:2013

(5) According to the standard method, the test conditions are as follows:

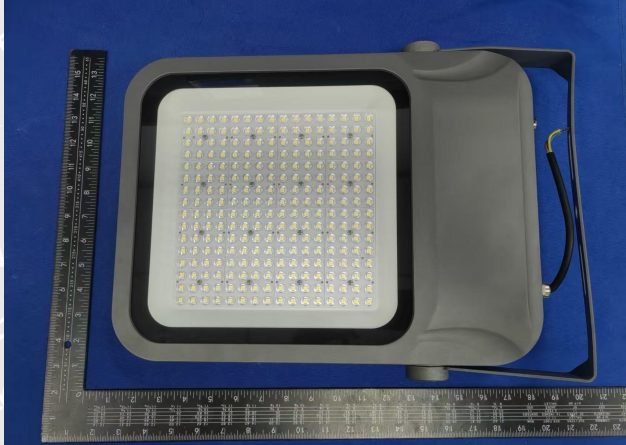
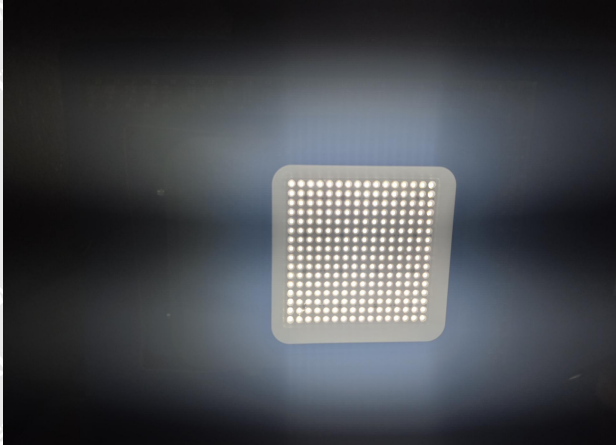
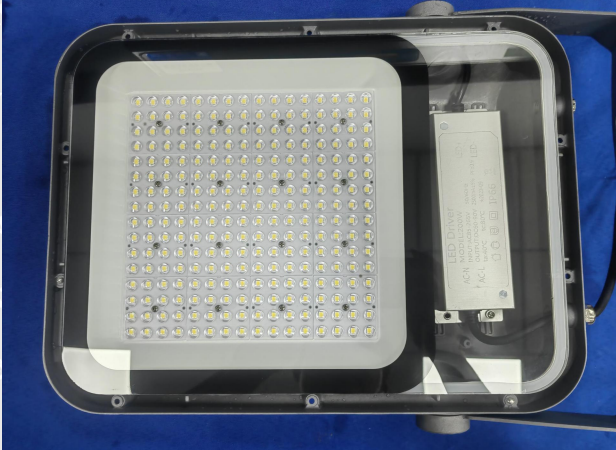
- 1) Water flow: 100 L/min;
- 2) Distance from nozzle to sample: 2.5 m~3.0m;
- 3) Nozzle inner diameter: 12.5 mm;
- 4) Turntable speed: 1 r/min;
- 5) Test time: 3 min.

(6) Test Results

Sample No.	Sample Name	Test Result (Visual inspection)
WTA25H11312263P_S-01	LED FLOOD LIGHT	After the test, no water entered inside the sample. It lights up normally when powered on.



(7) Test photos:

	
Before test	Before test (Function check)
	
In test	After test
	
After test 1	After test 2



	/
After test (Function check)	/

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2. Test item: IP6X test

(1) Detection equipment and instruments:

Equipment Name	Equipment Model	Equipment Number	Calibration Dates	Valid Date to
Microcomputer sand and dust test chamber	WH-SC1000	WTHP1064A1-001	2025/06/07	2026/06/06
Test probe	Φ1.0mm	WTHY1028A1-001	2025/01/09	2026/01/08

(2) Environmental Conditions:

Temperature: 25.7 °C

Humidity: 60.0 %RH

(3) Tested Sample: WTA25H11312263P_S-02

(4) Test Basis Standard: IEC 60529:1989+A1:1999+A2:2013

(5) According to the standard method, the test conditions are as follows:

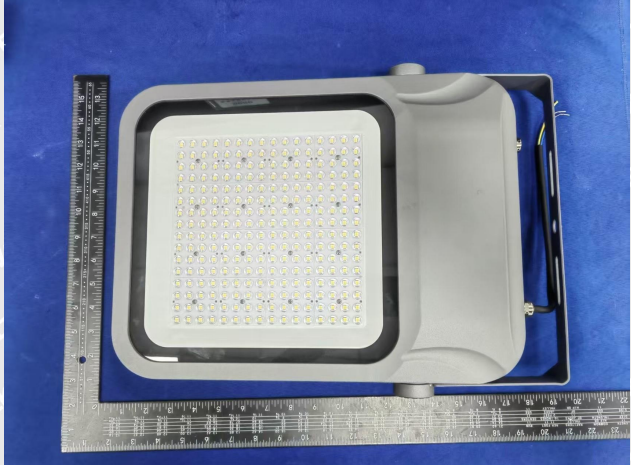
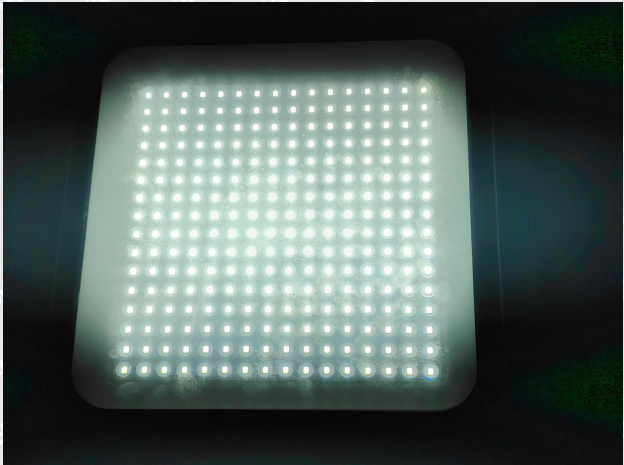
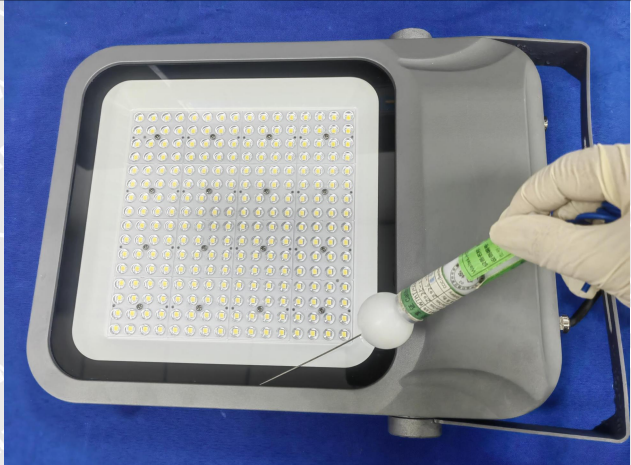
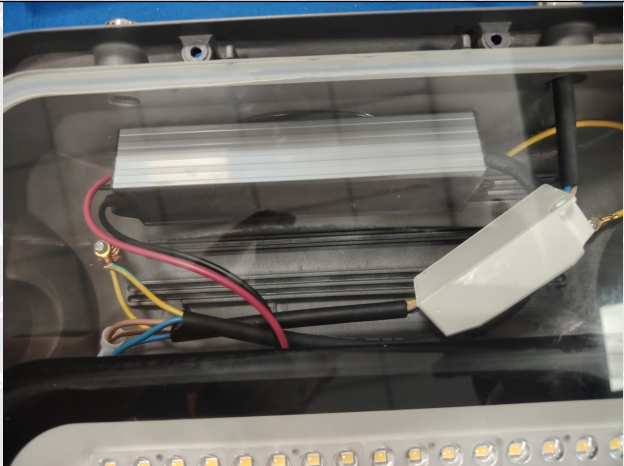
- 1) The test probe of 1 mm diameter is pushed against any opening of the sample with force of 1 N;
- 2) Put the sample under negative pressure (40~60 times the shell volume per hour; The pressure in the shell is less than 2.0 kPa), and then placed in a dust test chamber containing 2 kg/m³ talc for 2 hours.

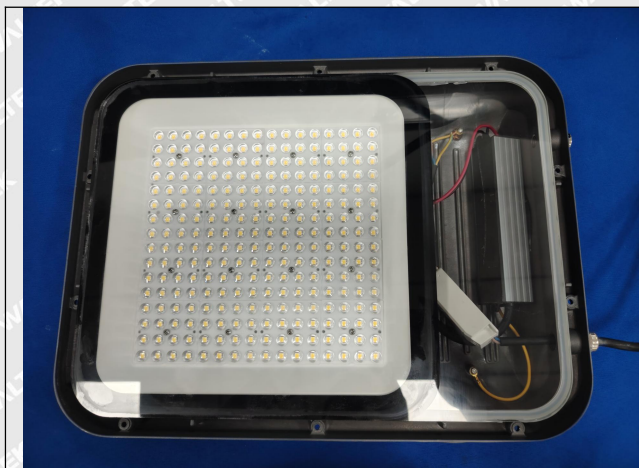
(6) Test Results:

Sample No.	Sample Name	Test Result (Visual inspection)
WTA25H11312263P_S-02	LED FLOOD LIGHT	The test probe could not enter the inside of the sample; After the test, there was no dust in the inside of the sample. It lights up normally when powered on.

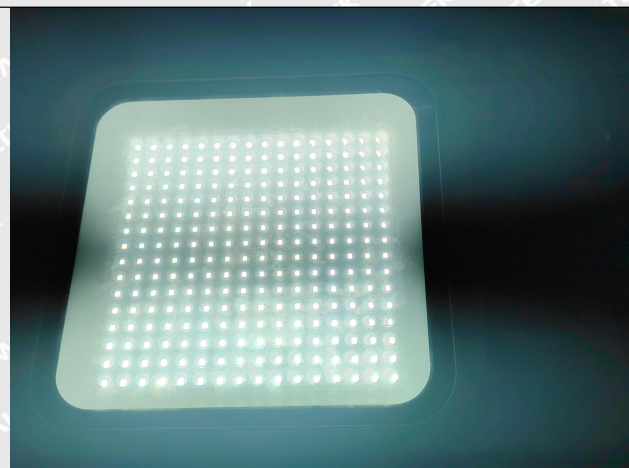


(7) Test photos:

	
Before test	Before test (Function check)
	
Probe test	Dust test
	
After test	After test 1



After test 2



After test (Function check)

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Statement:

1. This report is considered invalid without approved signature and special seal.
2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified.
3. The result(s) shown in this report refer(s) only to the sample(s) tested.
4. The result(s) in no CMA logo report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc. and just for internal reference, does not prove to society.
5. The "*" in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation.
6. Without written approval of HCT, this report can't be reproduced except in full.
7. For any claim of the report, just refer to the testing unit in 15 days, in case it is not in the above limited time, the claim shall be dismissed.
8. Evaluation of results:
If not explicitly stated otherwise in the standard, the test is passed if the measured value is equal to or below (above) the limit line, regardless of the measurement uncertainty. If the measured value is above (below) the limit line, the test is not passed.
9. Calibration:
All instruments used in the tests given in this test report are calibrated and traceable to national or international standards.
Further information about traceability will be given on request.

******* END OF REPORT *******

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