

LUMINAIRES-PART 1 : GENERAL REQUIREMENTS AND TESTS REPORT (RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE)

Test Standard : IEC 60598-1(2008)

Date of Receipt : 2017 / 01 / 20

Test Date : 2017 / 02 / 13 ~ 2017 / 02 / 14

Result of determination this subclass type experiment : **PASS(IP66)**

1. Issue date for test report : 2017/04/07
2. Report No : 17012015-1
3. Total pages : 7
4. Test report without steel stamp is not valid, and shall not be reproduced except in full.
5. Test sample is not sampling by laboratory, test result relate only to the items tested.
6. Test report is not responsible for advertisement or promotion for products.
7. This test is only an excerpt [IEC 60598-1 General requirements and tests for luminaires] test standard.
8. Remark : report No. 17012015 is replaced by report No. 17012015-1, As well as become invalid.

Approved Signatory:



Test Report

Information for test items

Applicant : Solar New Power Corp.

Applicant's address : 5F.-3, No.83, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu
City 300, Taiwan (R.O.C.)

Manufacturer : Solar New Power Corp.

Manufacturer's address : 5F.-3, No.83, Sec. 2, Gongdao 5th Rd., East Dist.,
Hsinchu City 300, Taiwan (R.O.C.)

Trademark : CoolLED

Model No. : F2070C-001

Series model : F2070W-001 、 F2036C-001 、 F2036W-001

Uses the place : ☐ in door ☒ out door

Outward appearance size : L 311 mm 、 W 220 mm 、 H 50 mm

Test Standard : ☐ IEC 60529 ☒ IEC 60598-1

Application test rank : IP66

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Test content

Test Levels	Test standard (IEC 60598-1)	Result of test	Determination
	Temperature : 25.2 °C Humidity : 54.3 %RH		
	Degrees of protection against solid foreign objects indicated by the first characteristic numeral		
6	<p>The test shall proceed as follows:</p> <p>(a)The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.</p> <p>(b)The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber.</p> <p>(c)After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum power remains in suspension.</p>	No dust into the enclosure.	PASS
	Degrees of protection against water indicated by the second characteristic numeral		
6	<p>Powerful water jet-proof luminaires (second characteristic IP numeral 6) are switched off and immediately subjected to a water jet for 3 min from all directions by means of a hose having a nozzle with the shape and dimensions shown in figure 8. The nozzle shall be held 3 m away from the sample.</p>	No water into the enclosure.	PASS

Photo of test items Photo of test items

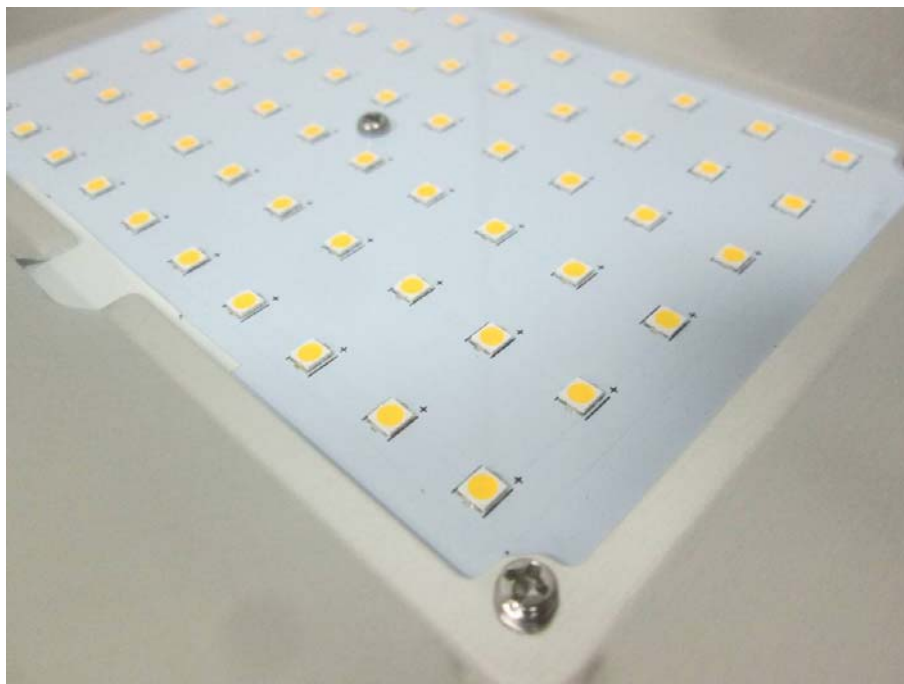
The appearance of photo



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Photo of test items

IP6X after the test



IPX6 after the test



Equipment list and testing engineer for test

Item	Equipment No	Equipment	Manufacturer / Type / Series No
1	99S-04	Bears the dust testing machine class dust + Floating dust	TAICHY TECHNOLOGY LTD DT-1500CF
2	99S-07	Bears the rain water testing machine	TAICHY TECHNOLOGY LTD RT-IEC-IPX5.6
Testing engineers : Chun-Ting Liu			

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Differential analysis explain

Entrust bodies	Solar New Power Corp.
Model No.	F2070C-001
Series model	F2070W-001 、 F2036C-001 、 F2036W-001

Luminaires of the difference contents
Series model F2070W-001 、 F2036C-001 、 F2036W-001 and model No. F2070C-001 besides color temperature and wattage are different, its lamps and lanterns external structure are all the same, therefore does not have the influence dustproof waterproofing rank.

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