

DEGREES OF PROTECTION PROVIDED BY ENCLOSURES PATTERN TEST REPORT

Test Standard : IEC 60529(2001)

Date of Receipt : 2019 / 03 / 19

Test Date : 2019 / 04 / 17 ~ 2019 / 04 / 19

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

1. Issue date for test report : 2019 / 04 / 23
2. Report No : 19031905
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.

Approved Signatory:



Test Report

Information for test items

Applicant : CoolLED Corp

Applicant address : 5F.-3, No.83, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu City 30070, Taiwan, R.O.C.

Manufacturer : CoolLED Corp

Manufacturer address : 5F.-3, No.83, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu City 30070, Taiwan, R.O.C.

Trademark or brand name : CoolLED

Product name : 28000lm LED Outdoor Floodlight

Product model number : F2280C-601

Series Model : F2280C-001 、 F2280C-201

Dimension for test item LxWxH (mm) : 470 x 407 x 60

Test Standard : IEC 60529 IEC 60598-1

Application test rank : IP66

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Differential analysis explain

Entrust bodies	CooLED Corp
Model No.	F2280C-601
Series model	F2280C-001、F2280C-201

Luminaires of the difference contents			
	external structure	size	Transmissive cover
F2280C-601	O	O	X
F2280C-001	O	O	X
F2280C-201	O	O	X

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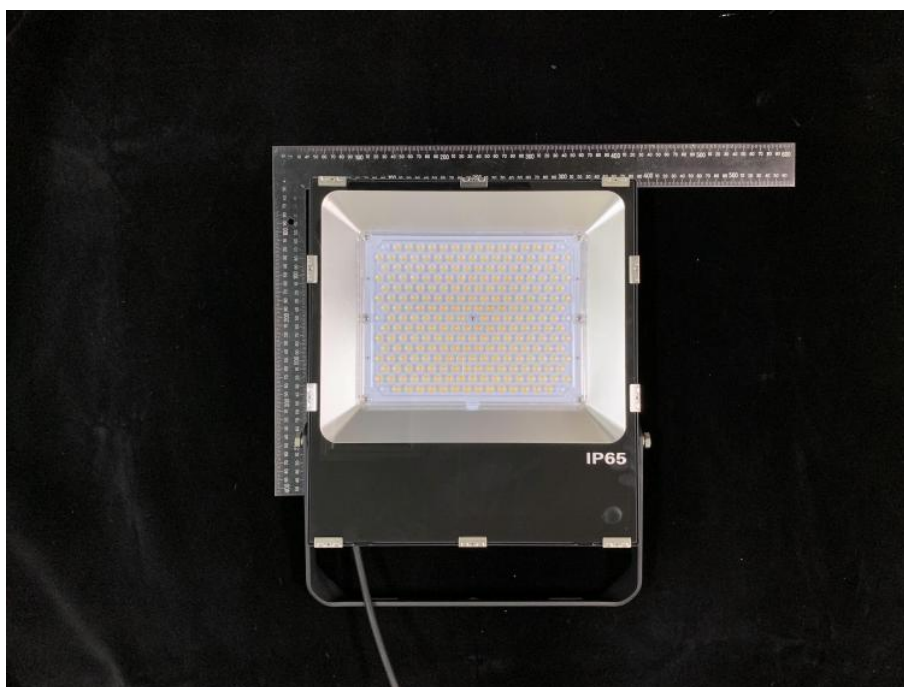
Test content

Test Levels	Test standard (IEC 60529)	Result of test	Determination
6	Degrees of protection against access to hazardous parts and protection against solid foreign objects indicated by the first characteristic numeral		
	The test wire of 1.0 mm shall not penetrate and adequate clearance shall be kept.	Not penetrate and adequate clearance be kept.	PASS
	The enclosure shall be deemed category 1, whether reductions in pressure below the atmospheric pressure are present or not. The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	No dust into the enclosure.	
Degrees of protection against water indicated by the second characteristic numeral			
6	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects Water flow : 100 l±5% 、 Minimum test duration : 3min 、 Distance from nozzle to enclosure surface : 2.5~3m.	No water into the enclosure.	PASS

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Photo of test items

The appearance of photo

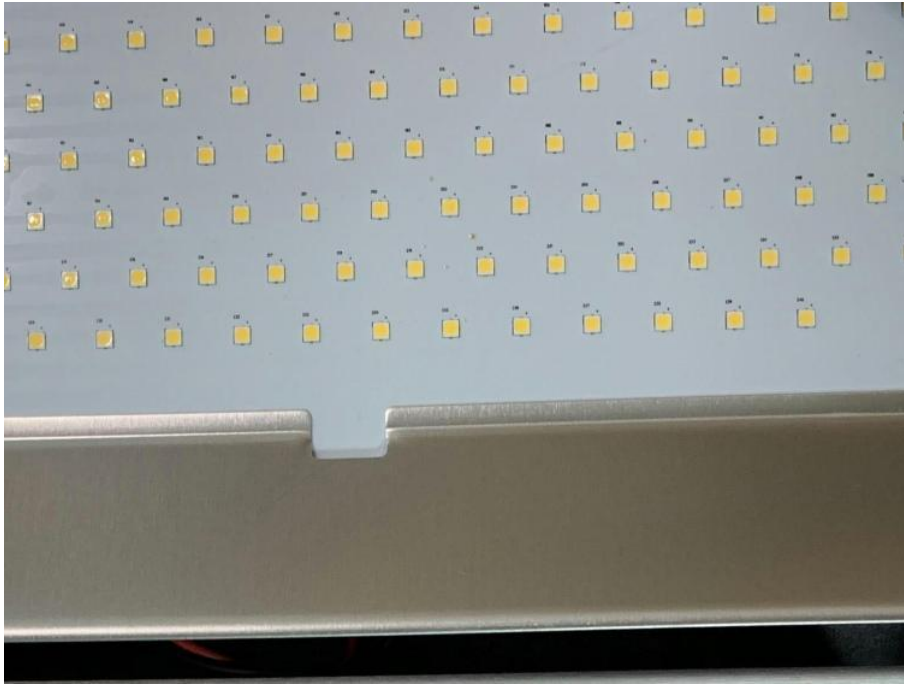


The appearance of photo



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
3	99S-10	IP test touch and access wire	Shanghai Haiyue Electric / DTPP-1.0/100
			Testing engineers : Chun-Tse Liu

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