

TEST REPORT

Product Name : LED table lamp

Model Number : See below model list

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Report Number : EDG2205130209L00101R

Date(s) of Tests : May 18, 2022

Date of issue : May 19, 2022



Test Report

Applicant : Power beauty (Dong guan) Industrial Co., Ltd.

Address : No.1, Eastern Industry Park, Shujiu Village, Changping Town, Dongguan City, China

Product Name : LED table lamp

Model/Type : See below model list

Received Date : May 16, 2022

Testing Period : May 18, 2022

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IPX4 Test	Clause 9.2 of IEC 60598-1:2014+A1:2017	Pass
Note: Pass: Meet the requirements; Fail: Do not meet the requirements; N/A: Do not evaluate or provide only test results.			

Tested by:

Park Zeng

Park Zeng

Tested engineer

Reviewed by:

June Luo

June Luo

Reviewed engineer



Test Report

Model list		
Product Name	Model name	Description
LED table lamp	PBG-1238, PBG-1115A, PBG-1115B, PBG-1115C, PBG-2031, PBG-1726A, PBG-1726B, PBG-1626-1, PBG-20210525-003, PBG-1625, PBG-1825, PBG-1225, PBG-250, PBG-2817, PBG-2728, PBG-2123, PBG-1220-3, PBG-1222, PBG-20210525-001, PBG-20210525-002, PBB-1220-1, PBB-1626-1, PBB-1220-2, PBB-1626-2, OTL200 013 , OTL200 012, PBG-1230, PBB-1220, O1745, 98996, 98997, 98998, SALLY, KELLY	All models have different appearance and color, the other parts are the same.
Note: According to customer's request, chosen PBG-1238 to perform all tests.		

Test Report

1. Test Item: IP54 Test

1.1 Tested Sample:

Sample No.	Product Name	Model/Type	Quantity
E2205130209L-01	Led table lamp	PBG-1238	1pc

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Waterproof test chamber	GT1310B	E-R-033	April 20, 2023
AC and DC hipot tester	AN9635H	ELD0096	May 12, 2023

1.3 Environmental Conditions: Temperature: 25℃; Humidity: 56%RH

1.4 Reference Standard: Clause 9.2 of IEC 60598-1:2014+A1:2017

1.5 Test Conditions:

IPX4:

The product switched on and brought to a stable operating temperature at rated voltage. And then sprayed from every direction with water for 10 min by means of the spray apparatus. The luminaire shall be mounted under the pivot line of the tube so that the ends of the luminaire receive adequate coverage from the jets.

The tube shall be caused to oscillate through an angle of almost 360°, 180° on either side of the vertical, the time for one complete oscillation (2 × 360°) being about 12 s. The luminaire shall be turned about its vertical axis during the test at a rate of 1 r/min.

The support for the equipment under test shall be grid shaped in order to avoid acting as a baffle. After this 10 min period, the luminaire shall be switched off and allowed to cool naturally whilst the water spray is continued for a further 10 min. After completion of the tests, the electric strength test shall be conducted immediately.

Electric strength test voltage: AC 500V, Test position: Between live parts and plastic shell.

Test time: 1 minute.

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1.6 Acceptance Criteria:

IPX4: There is no trace of water on electrical connections, current carrying parts or on insulation where it could become a hazard for the user or surroundings, the only exception to this is for SELV or PELV conductors where the voltage under load does not exceed 12 V peak interrupted DC voltage for frequencies between 10 Hz and 200 Hz, 12V RMS or 30 V ripple free DC and the conductors are protected from corrosion. After completion of the tests, the luminaire shall withstand the electric strength test.

1.7 Test Results:

Sample No.	Test items	Test Results	Verdict
E2205130209L-01	IPX4	There was no water entered into the internal of the sample.	Pass
E2205130209L-01	Electric strength	No breakdown	Pass

1.8 Test Photos: IPX4

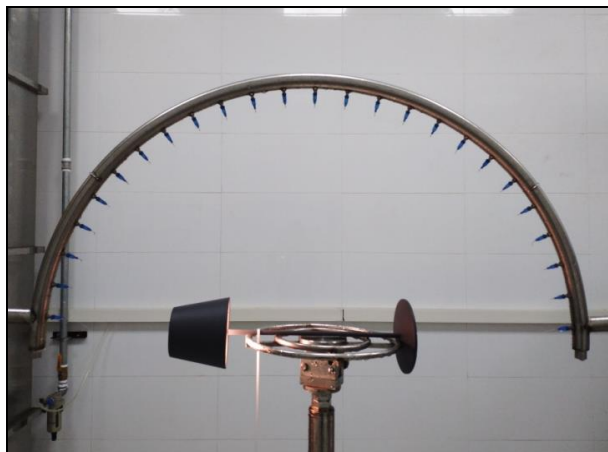


Before the test



Before the test

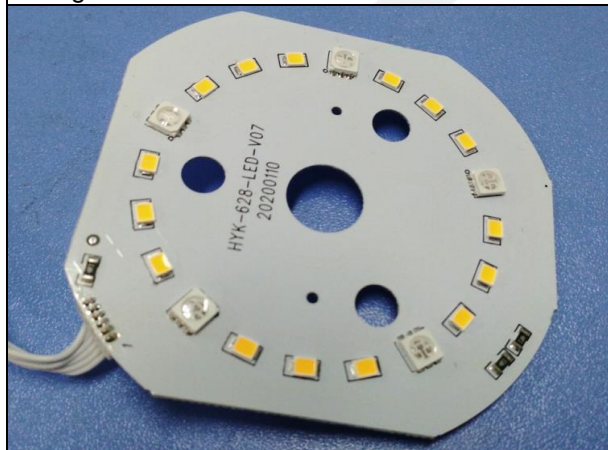
Test Report



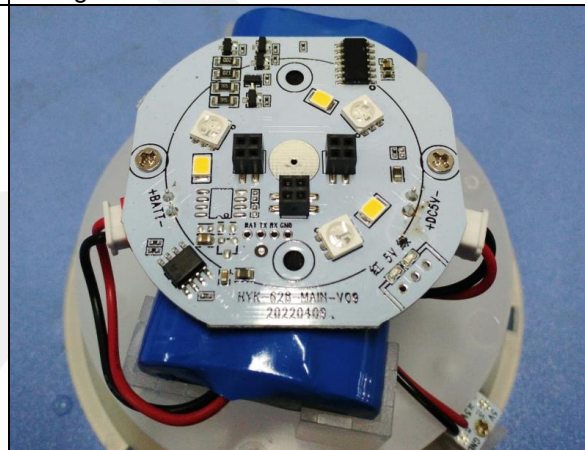
During the test



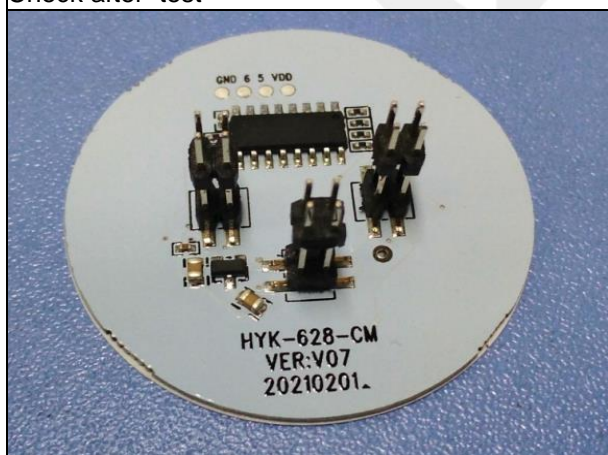
During the test



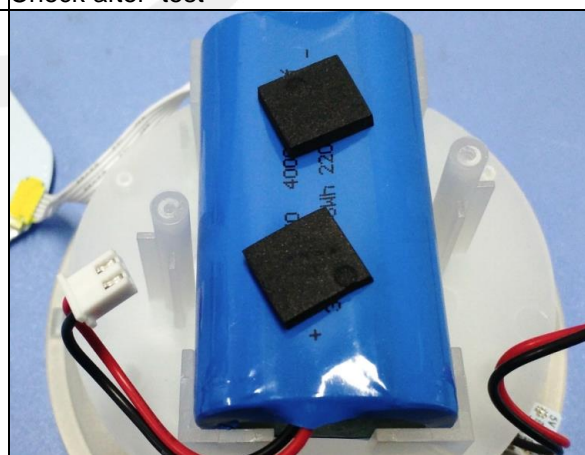
Check after test



Check after test



Check after test



Check after test

Test Report



Check after test



Electric strength test

End of report

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