

# TEST REPORT

**Product Name : LED table lamp**

**Model Number : See model list**

Prepared for : Power beauty (Dong guan) Industrial Co., Ltd.  
Address : N o.1, Eastern Industry Park, Shujiu Village, Changping  
Town, Dongguan City, China

Prepared by : EMTEK(DONGGUAN) CO., LTD.  
Address : -1&2F, Building 2, Zone A, Zhongda Marine Biotechnology  
Research and Development Base, No.9, Xincheng Avenue,  
Songshanhu High-technology Industrial Development Zone,  
Dongguan, Guangdong, China

Tel: +86-769-22807078

Fax: +86-769-22807079

Report Number : ED210430086L

Date(s) of Tests : May 06, 2021

Date of issue : June 01, 2021



# Test Report

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

**Address** : N o.1, Eastern Industry Park, Shujiu Village, Changping Town, Dongguan City, China

**Product Name** : LED table lamp

**Model/Type** : See model list

**Received Date** : May 06, 2021

**Testing Period** : May 08, 2021

## Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IP54 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.			

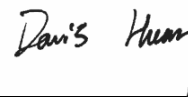
Tested by:



Park Zeng

Tested engineer

Reviewed by:



Davis Huang

Reviewed engineer



# Test Report

Model list		
Product Name	Model name	Description
LED table lamp	PBG-1230, Sally, PBG-1230-1, PBG-1230-2, PBG-1230-3, PBG-1230-4, PBG-1238, PBG-1238-1, PBG-1238-2, PBG-1238-4, PBG-1626, PBG-1626-1, PBG-2728, PBG-2123, PBG-200, PBG-250, PBG-300, PBG-350, PBG-400, PBG-500, PBG-600, PBG-2223, PBG-2817, PBG-3520, PBG-3527, PBG-1626T, PBG-1620, PBG-1434, PBG-1625, PBG-1420, PBG-1220, PBG-1220-1, PBG-1220-2, PBG-1515, PBG-1621, PBG-2020, PBG-3030, PBG-3535, PBG-4040, PBG-1522, PBG-1225, PBG-1115A, PBG-1115B, PBG-1115C, PBG-1421, PBG-2734, PBG-3430, PBG-40150, PBG-2030, PBG-2031, PBG-2034, PBG-2036, PBG-2045	All models have different appearance and color, the other parts are the same.
Note: According to customer's request, chosen PBG-1230, Sally to perform all tests.		

Modified History:			
Version	Report No.	Revision date	Summary
Ver. 1.0	ED210430086L V1.0	May 26, 2021	Original Report
Ver. 2.0	ED210430086L V2.0	June 01, 2021	Changed model number from "PBG-1230" to "PBG-1230, Sally"

# Test Report

## 1. Test Item: IP54 Test

### 1.1 Tested Sample:

Sample No.	Product Name	Model/Type	Quantity
ED210430086L-001	Led table lamp	PBG-1230, Sally	1pc

### 1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Waterproof test chamber	GT1310B	E-R-033	April 20, 2022
Dust Tester	GT1321C	E-R-034	April 20, 2022
AC and DC hipot tester	AN9635H	ELD0096	May 20, 2021

### 1.3 Environmental Conditions: Temperature: 25°C; Humidity: 56%RH

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

### 1.5 Test Conditions:

#### IP5X:

Put the sample into the dust chamber, in which talcum powder is maintained in suspension by an air current. The chamber contain 2 kg of powder for every cubic metre of its volume.

The test conditions:

1. The product is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.
2. The product, whilst still operating, is placed with the minimum disturbance in the dust chamber.
3. The door of the dust chamber is closed.
4. The fan/blower causing the talcum powder to be in suspension is switched on.
5. After 1 min, the product is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.

# Test Report

## 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 ( $2 \times 360^\circ$ ) 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.

## 1.6 Acceptance Criteria:

IP5X: There is no deposit of talcum powder in the sample.

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
ED210430084L-001	IP5X	There is no talcum powder in the sample.	Pass
ED210430084L-001	IPX4	There was no water entered into the internal of the sample.	Pass
ED210430084L-001	Electric strength	No breakdown	Pass

# Test Report

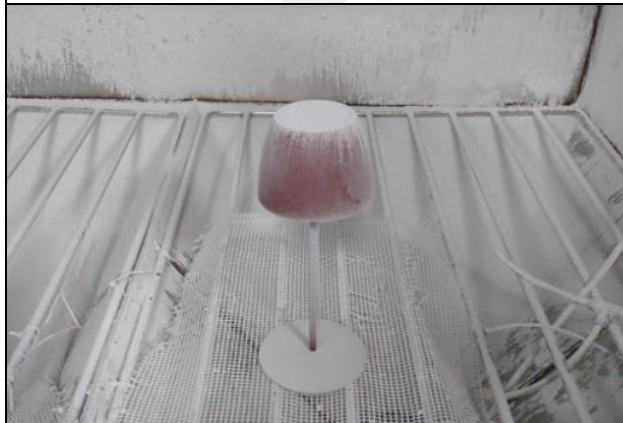
## 1.8 Test Photos: IP5X



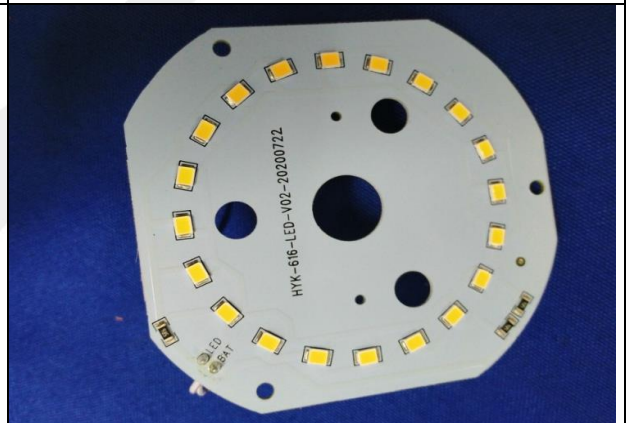
Before the test



Before the test



After test



Check after test



Check after test



Check after test



# Test Report

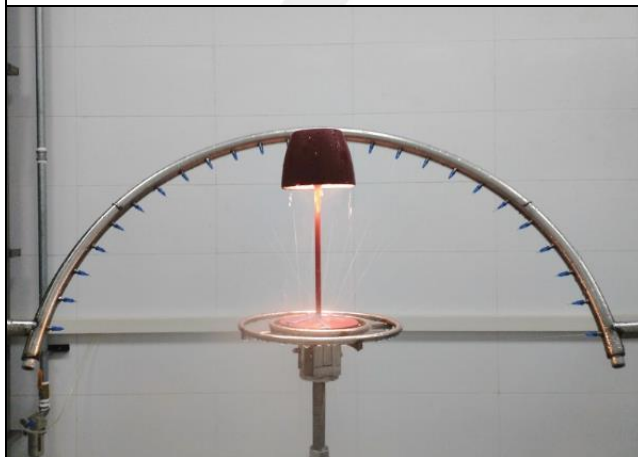
## 1.9 Test Photos: IPX4



Before the test



Before the test



During the test



During the test



Check after test

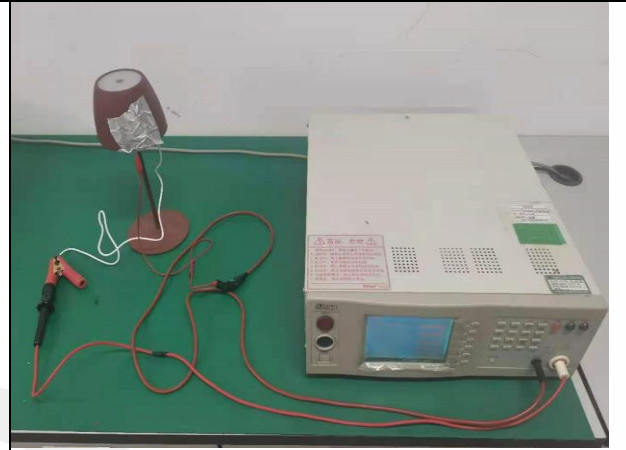


Check after test

# Test Report



Check after test



Electric strength test

\*\*\*End of report\*\*\*



## 声明 Statement

1. 本报告无授权批准人签字及“检验报告专用章”无效；

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；

Objections shall be raised within 20 days from the date receiving the report.