

## TEST REPORT

EN 62493

## Assessment of lighting equipment related to human exposure to electromagnetic fields

Report Number.....: ED210111013E

Tested by (+ signature).....: Galen Xiao

Galen Xiao

Approved by (+ signature).....: Sam Lv

EMTEK (DONGGUAN) CO., LTD.  
TESTING

Date of issue.....: January 15, 2021

Total number of pages.....: 5 pages

Testing Laboratory name.....: EMTEK(DONGGUAN) CO., LTD.

Address.....: -1&amp;2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China

Testing location / address.....: Same as above

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

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

## Test specification:

Standard.....: EN 62493: 2015

Non-standard test method.....: N/A

## Test item description.....

Trade Mark.....: N/A

Product Name.....: LED table lamp

Model/Type reference.....: See the next page model list for detail

Input Rating.....: DC 5V from USB Port, DC 3.7V from battery

Output Rating.....: /

Test Mode .....: Charging, ON



Model list
PBB-1420, PBB-1220, PBB-1220-1, PBB-1220-2, PBB-1826, PBB-1626-1, PBB-1626-2 PBB-150, PBB-1115-1, PBB-1115-2, PBB-1115-3, PBB-1421, PBB-1626, PBB-1526, PBB-3141, PBB-2223, PBB-2036, PBB-3430, PBB-2080, PBB-2050, PBB-1620, PBB-1626, PBB-1630, PBB-1427, PBB-150, PBB-200, PBB-250, PBB- 300, PBB-400, PBB-500, PBB-600, PBB-1809, PBB-5040, PBG-1824, PBS-2024, PBG-1615, PBG-1615S, PBS-4050, PBS-4080, PBS-40120, PBS-40150, PBS-3050, PBS-3480, PBS-34120, PBS-34150, PBS-3430, PBS-130, PBS-150, PBS-200, PBS-250, PBS-300, PBS-350, PBS-400, PBS-2062, PBB-1625, PBB-1825, PBS-2031, PBS-2045, PBS-2030FLAT, PBS-2030BALL, PBG-1626, PBG-1026, PBG-1022, PBG-1023, PBG-1024, PBG-1034, PBG-1005, PBG-1002, PBG-3455, PBG-1006, PBG-1007, PBG-4536, PBG-3390, PBG-4328, PBG-9000, PBG-3782, PBG-5054, PBG-6268, PBG-3432, PBG-3560, PBG-2645, PBG-5811, PBG-8517

### Summary of testing:

The product has been tested according to standard EN 62493: 2015.

Maximum ambient temperature: +25°C.

### Test item particulars.....:

Classification of installation and use .....: for normal use

Supply Connection .....: Type

### Possible test case verdicts:

- test case does not apply to the test object.....: N (N/A)
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

### Testing.....:

Date of receipt of test item.....: January 11, 2021

Date (s) of performance of tests.....: January 11, 2021 to January 15, 2021

### General remarks:

The test results presented in this report relate only to the object tested.

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"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

### Manufacturer's Declaration per sub-clause 6.2.5 of IEC 60335-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided

☐ Yes

☒ Not applicable

When differences exist; they shall be identified in the General product information section.

**Name and address of factory (ies) .....** Power beauty (Dong guan) Industrial Co., Ltd.  
No.1, Eastern Industry Park, Shujiu Village,  
Changping Town, Dongguan City, China

### General product information:

1. The test is conducted on model PBB-1630

<b>4.2</b>	<b>APPLICATION OF LIMITS (Test summary)</b>		
	<b>Specific absorption rate (SAR)</b>		
a)	CISPR 15 clause 4.3.1 Disturbance voltage mains terminals 20 kHz – 30 MHz	*)	P
b)	CISPR 15 clause 4.4 Radiated electromagnetic disturbances 100 kHz – 30 MHz	*)	P
c)	CISPR 15 clause 4.4.2 Radiated electromagnetic disturbances 30 MHz – 300 MHz	*)	P
*)	<input checked="" type="checkbox"/> See separate Test Report for measurements of a), b) and c) above Test Report with Ref. No.: ED210111012E. <input checked="" type="checkbox"/> Only measurement of d) below. See measurement results below. In this case this test report does not show compliance with EN 62493.		—
	<b>Induced current density</b>		
d)	Induced current density 20 kHz – 10 MHz	See measurement results below	P

<b>4.2.d</b>	<b>INDUCED CURRENT DENSITY</b>	<b>P</b>
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	Power supply system utilised:	—
	Voltage..... : AC 230V	—
	Frequency..... : 50Hz	—
	Environmental conditions:	—
	Temperature ..... : 22.6 °C	—
	Humidity..... : 36%	—
	EUT operation mode:	—
	<input type="checkbox"/> Normal operation	—
	<input checked="" type="checkbox"/> Other operation: Lighting	—
		—

<b>4.2.d</b>	<b>MEASUREMENT RESULTS</b>				P
	Measuring with “Van der Hoofden” test head This test item was tested at EMTEK(DONGGUAN) CO., LTD.				
Location of EUT	Test model	Measuring distance	Result (F)	Limit (F)	Verdict
Measurement point 1	PBB-1630	50cm	0.0134	0.85	Pass

<b>4.2.d</b>	<b>EQUIPMENT USED DURING TEST</b>		
Equipment	Manufacturer	Type	Serial. No.
“Van der Hoofden” test head	Schwarzbeck	VDHH9502	047
EMI Test Receiver	Rohde & Schwarz	ESCS30	100162

Test set-up, photos



-----The end-----

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