

# ShaoXing Prolux Lighting Co., Ltd.

## MPE ASSESSMENT REPORT

**Report Type:**  
FCC MPE assessment report

**Model:**  
PL-0170QI, PL-0170UQ

**REPORT NUMBER:**  
190602340SHA-002

**ISSUE DATE:**  
July 12, 2019

**DOCUMENT CONTROL NUMBER:**  
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## TEST REPORT

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Report no.: 190602340SHA-002

**Applicant** : ShaoXing Prolux Lighting Co., Ltd.  
Lu Dong Industrial Zone, Bai Guan District, Shangyu City, Zhejiang  
312300, P.R. CHINA

**Manufacturer** : ShaoXing Prolux Lighting Co., Ltd.  
Lu Dong Industrial Zone, Bai Guan District, Shangyu City, Zhejiang  
312300, P.R. CHINA

**Factory** : ShaoXing Prolux Lighting Co., Ltd.  
Lu Dong Industrial Zone, Bai Guan District, Shangyu City, Zhejiang  
312300, P.R. CHINA

**FCC ID** : 2AP2V-DESKLAMP06

### SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

### FCC PART 1 SECTION 1.1310

**PREPARED BY:**

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Project Engineer  
Eric Li

**REVIEWED BY:**

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Reviewer  
Daniel Zhao

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**TEST REPORT****Revision History**

Report No.	Version	Description	Issued Date
190602340SHA-002	Rev. 01	Initial issue of report	July 23, 2019

**TEST REPORT****Measurement result summary**

TEST ITEM	FCC REFERENCE	TEST RESULT	NOTE
RF Exposure	1.1310	Pass	-

Notes: 1: NA =Not Applicable

2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

**TEST REPORT****1 GENERAL INFORMATION****1.1 Description of Equipment Under Test (EUT)**

Product name:	Infuse LED Desk Lamp with Wireless
Type/Model:	PL-0170QI, PL-0170UQ
Description of EUT:	EUT is a wireless charger LED Luminaire. There are two models. Both of them use the same wireless charging module, PL-0170UQ has USB output function. We test both of them and list the worst results in this report.
Rating:	PL-0170QI: Adapter: RSS1006-156130-W2-B Input: 100-240V~ 50/60Hz 1.4A, Output: 13.0V DC 1.2A 3.2W (only Lamp, except other functions), Total max.10W PL-0170UQ: Adapter: RSS1006-234130-W2-B Input: 100-240V~ 50/60Hz 1.4A, Output: 13.0V DC 1.8A 3.2W (only Lamp, except other functions), USB: DC5V,2.1A Total max.23.5W
Category of EUT:	Class B
EUT type:	<input checked="" type="checkbox"/> Table top <input type="checkbox"/> Floor standing
Software Version:	/
Hardware Version:	/
Sample received date:	July 4, 2019
Date of test:	July 5, 2019 ~ July 10, 2019

**1.2 Technical Specification**

Frequency Range:	110kHz – 205kHz
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**TEST REPORT****1.3 Description of Test Facility**

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN1175
	IC Registration Lab Registration code No.: 2042B-1
	VCCI Registration Lab Registration No.: R-4243, G-845, C-4723, T-2252
	NVLAP Accreditation Lab NVLAP LAB CODE: 200849-0
	A2LA Accreditation Lab Certificate Number: 3309.02

**TEST REPORT**

## 2 TEST SPECIFICATIONS

### 2.1 Standards or specification

FCC PART 1 SECTION 1.1310  
KDB 680106 D01 RF Exposure Wireless Charging App v03

### 2.2 Mode of operation during the test

Within this test report, EUT was tested under all modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used. The worst data was listed in the report.

### 2.3 Test peripherals list

Item No.	Name	Band and Model	Description
1	Wireless load	KjB/ZS3012	100% power level
2	Wireless load	KjB/ZS3012	50% power level
3	Wireless load	KjB/ZS3012	0% power level
4	USB load	RX21	Used for PL-0170UQ

### 2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	24	53	101

**TEST REPORT****2.5 Instrument list**

Used	Equipment	Manufacturer	Type	Internal no.	Due date
<input checked="" type="checkbox"/>	Exposure Level Tester	Narda	ELT-400	EC 2928	2019-08-15
<input checked="" type="checkbox"/>	Field sensor & Field meter	AR	FL17000	EC 5818-1	2020-05-21

**TEST REPORT**

### 3 RF Exposure Assessment

Test result: Pass

#### 3.1 Assessment Limit

Reference: 47 CFR §1.1310, KDB 680106

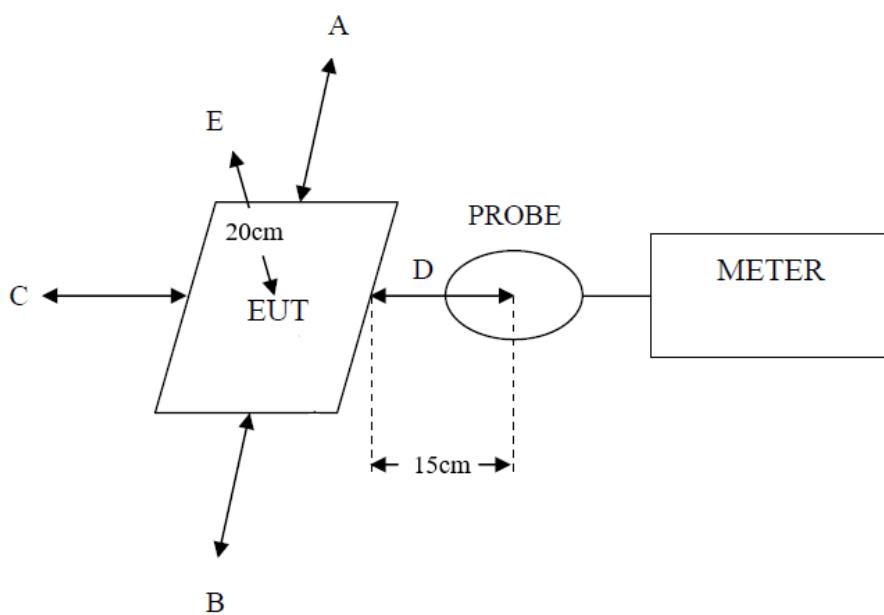
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm <sup>2</sup> ]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	30
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f <sup>2</sup>	30
30 – 300	27.5	0.073	0.2	30
300 – 1 500	-	-	f/1500	30
1 500 – 100 000	-	-	1.0	30

Limits for Occupational/Controlled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm <sup>2</sup> ]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	6
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30 – 300	61.4	0.163	1.0	6
300 – 1 500	-	-	f/300	6
1 500 – 100 000	-	-	5	6

#### 3.2 Assessment Configuration



**TEST REPORT****3.3 Assessment Results**

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.048	1.63 *0.5	Pass
B: Left	15	0.050	1.63 *0.5	Pass
C: Front	15	0.052	1.63 *0.5	Pass
D: Back	15	0.046	1.63 *0.5	Pass
E: Top	20	0.041	1.63 *0.5	Pass

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	0.51	614 *0.5	Pass
B: Left	15	0.48	614 *0.5	Pass
C: Front	15	0.51	614 *0.5	Pass
D: Back	15	0.49	614 *0.5	Pass
E: Top	20	0.43	614 *0.5	Pass

\*\*\*\*\* END \*\*\*\*\*