



RoHS TEST REPORT

For

LED CEILING LIGHT

Model No.: VT-8033, VT-8066, VT-8618, VT-8618S, VT-8624, VT-8624S

Applicant : V-TAC EXPORTS LIMITED

ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL,
CENTRAL, HONGKONG

Manufacturer : V-TAC EXPORTS LIMITED

ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL,
CENTRAL, HONGKONG

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Report Number : GST.220811.A407R-R1

Issued Date : November 04, 2022

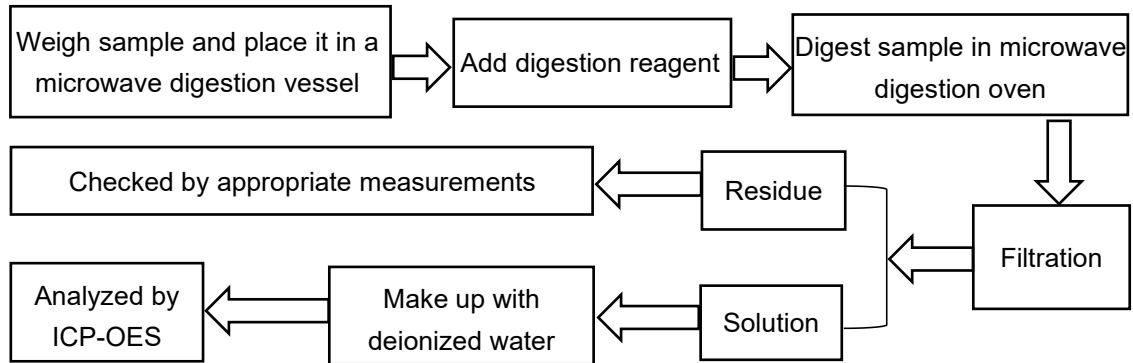
Date of Report : November 04, 2022

Note:

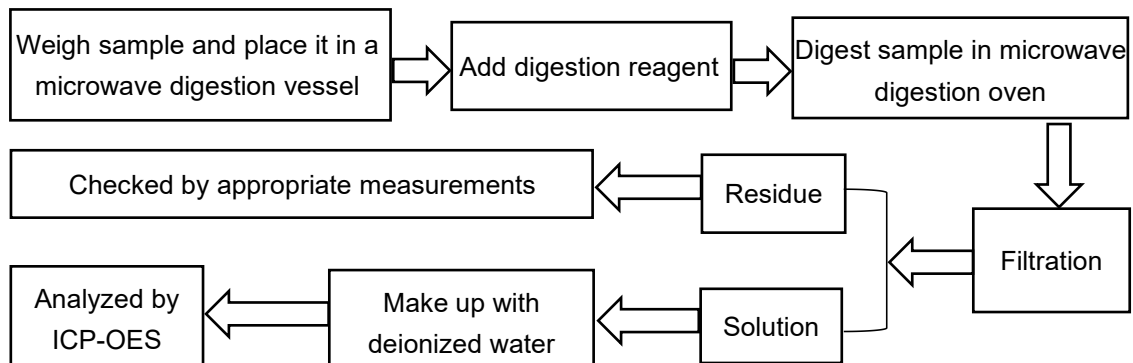
1. The test data and result is based on the tested sample only.
2. Please verify information in the report on GST web: www.gstslab.com through report number.
3. All rights reserve, the pirate edition investigates necessarily! This report shall not be reproduced unless under the authority of Global-Standard Testing Service Co., Ltd.
4. This report is based on report GST.220811.A407R. It added new models VT-8618, VT-8618S, VT-8624, VT-8624S, the main differences among them are wattage.

Testing method

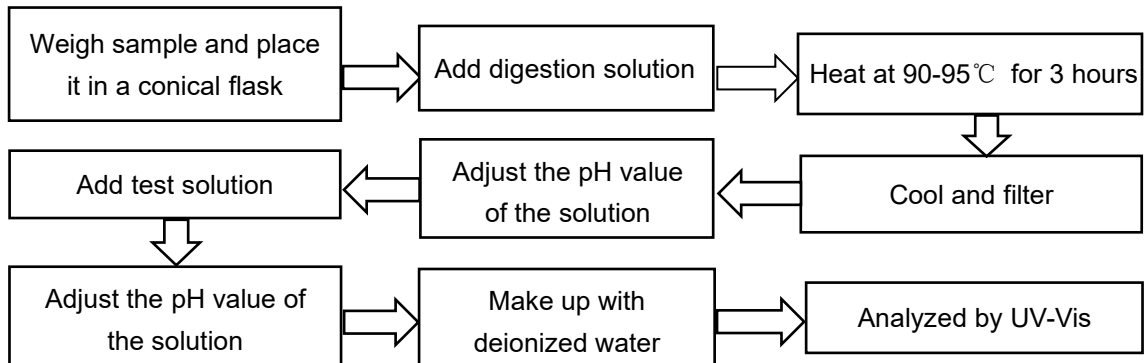
1. Lead(Pb), Cadmium(Cd)



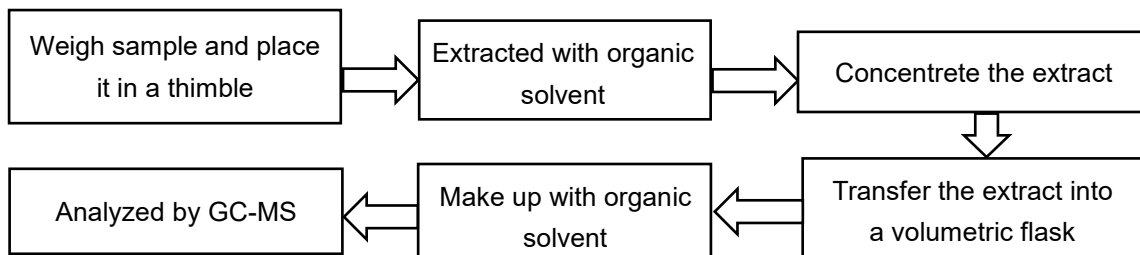
2. Mercury(Hg)



3. Hexavalent Chromium(Cr(VI))



4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), DBP, DEHP, BBP, DIBP



Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg	PBBs & PBDEs
Unit	mg/kg	mg/kg	mg/kg	mg/kg
MDL	2	2	2	2

Result	:	Pass
Conclusion	:	An independent evaluation on the above-mentioned product(s) has been conducted pursuant to 2011/65/EU and (EU)2015/863 of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and concluded that the equipment under evaluation met the legislative requirements of this directive.

Prepared by



Evan Chen
Project Engineer
November 01, 2022

Reviewed by



Test Data Summary

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
1	Diffuser	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
2	Plastic enclosure	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
3	Gasket	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
4	Input wire	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
DIBP	D	N.D.	< 1000	P		

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
5	Terminal block	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
6	Internal wire	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
7	Heat shrink tube	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
8	LED	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
9	LED PCB	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P
		DIBP	D	N.D.	<1000	P
10	Screw	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	/	<1000	N.A.
		PBDEs	D	/	<1000	N.A.
		DEHP	D	/	<1000	N.A.
		DBP	D	/	<1000	N.A.
		BBP	D	/	<1000	N.A.
		DIBP	D	/	<1000	N.A.
11	Solder tin	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	/	<1000	N.A.
		PBDEs	D	/	<1000	N.A.
		DEHP	D	/	<1000	N.A.
		DBP	D	/	<1000	N.A.
		BBP	D	/	<1000	N.A.
		DIBP	D	/	<1000	N.A.
12	Glue	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P
		DIBP	D	N.D.	<1000	P

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
13	Resistor	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
14	Diode	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
15	IC	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
16	Capacitor	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
17	Triode	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
18	Varistor	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
19	PCB	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P
20	Transformer	Cd	P	N.D.	< 100	P
		Cr	P	N.D.	< 1000	P
		Hg	P	N.D.	< 1000	P
		Pb	P	N.D.	< 1000	P
		PBBs	D	N.D.	< 1000	P
		PBDEs	D	N.D.	< 1000	P
		DEHP	D	N.D.	< 1000	P
		DBP	D	N.D.	< 1000	P
		BBP	D	N.D.	< 1000	P
		DIBP	D	N.D.	< 1000	P

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing(mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
21	Other Plastic accessible	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P
		DIBP	D	N.D.	<1000	P
22	Other metal accessible	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	/	<1000	N.A.
		PBDEs	D	/	<1000	N.A.
		DEHP	D	/	<1000	N.A.
		DBP	D	/	<1000	N.A.
		BBP	D	/	<1000	N.A.
		DIBP	D	/	<1000	N.A.

Note:

(1) N.D. = Not detected (<MDL)

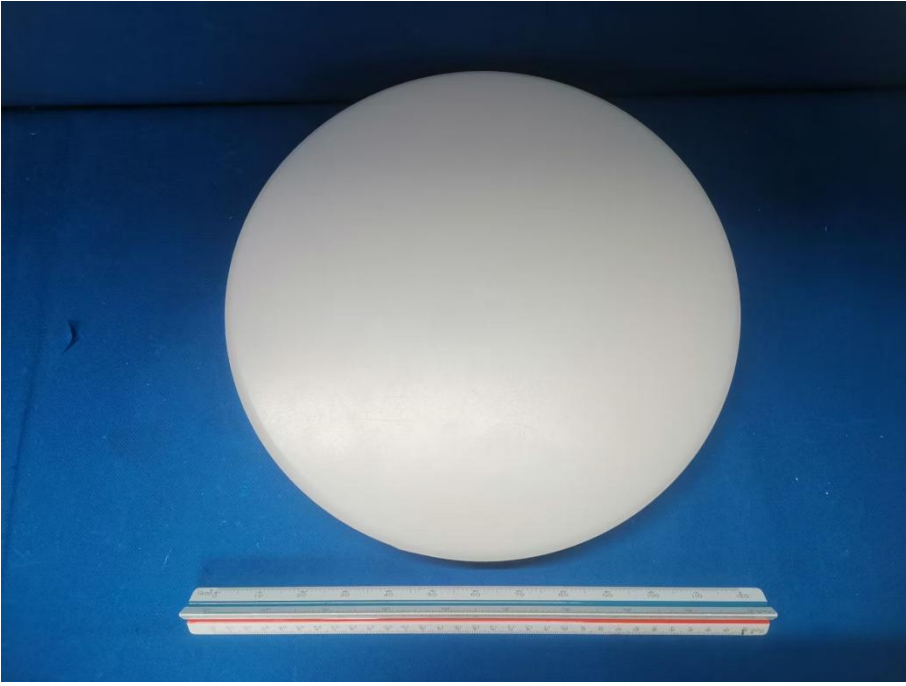
(2) ppm = mg/kg

(3) N.A. = Not Analyzed

(4) Negative = the concentration of Hexavalent Chromium extracted from 50cm² sample is less than the detection limit.

Appendix 1

Photo documentation

<p>Photo 1</p> <p>View:</p> <p><input checked="" type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input type="checkbox"/> Internal</p>	
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<p>Photo 2</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input checked="" type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input type="checkbox"/> Internal</p>	
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<p>Photo 3</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input checked="" type="checkbox"/> Internal</p>	
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<p>Photo 4</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input checked="" type="checkbox"/> Internal</p>	
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Photo 5

View:

- Front
- Rear
- Right side
- Left side
- Top
- Bottom
- Internal

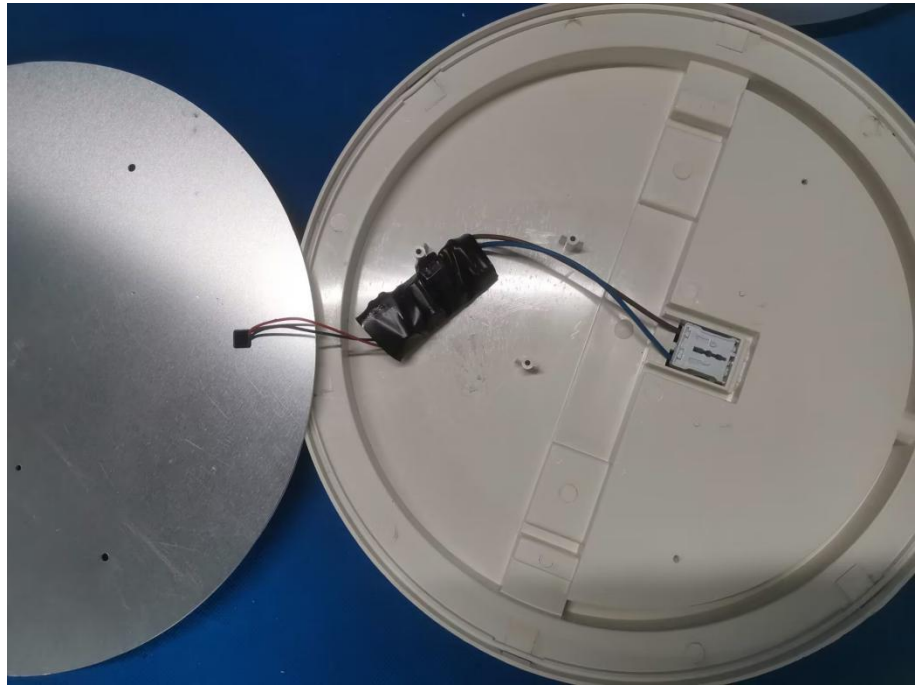


Photo 6

View:

- Front
- Rear
- Right side
- Left side
- Top
- Bottom
- Internal

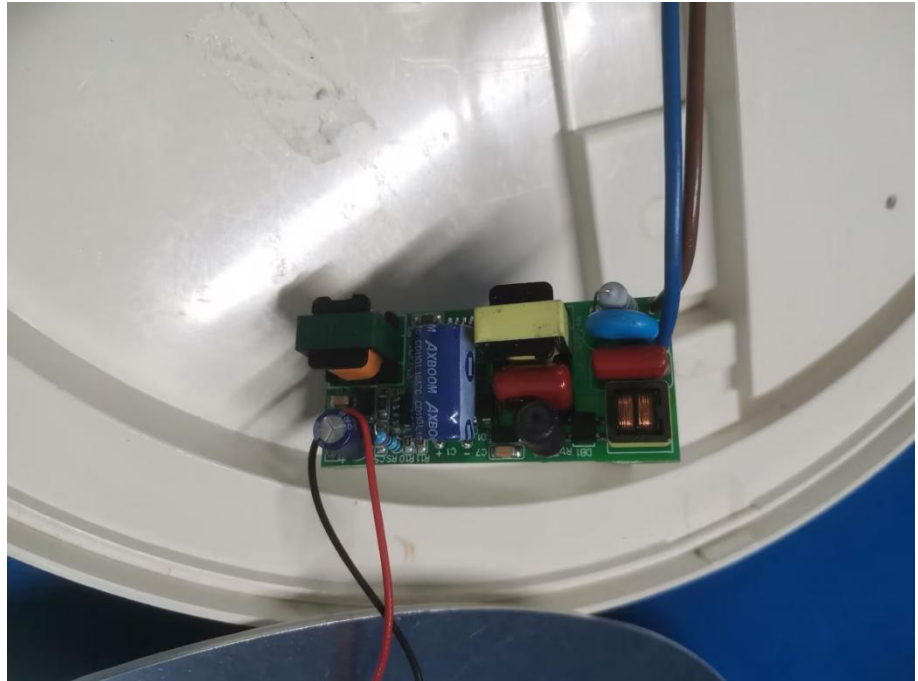
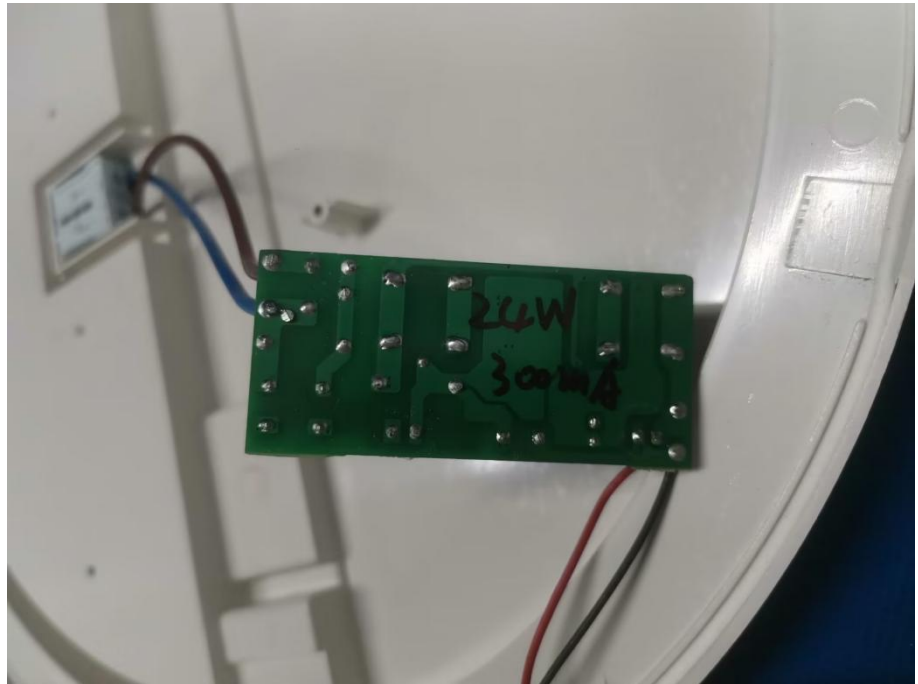


Photo 7

View:

- Front
- Rear
- Right side
- Left side
- Top
- Bottom
- Internal



---END---