RoHS TEST REPORT

Applicant	V-TAC Exports Limited
Address	Room No 301, Kam On Building, 176A Queens Road Central, Central, Hong Kong
Manufacturer	V-TAC Exports Limited
Address	Room No 301, Kam On Building, 176A Queens Road Central, Central, Hong Kong
Submitted sample	LED Canopy Light
Model	VT-9-155

Test Required: 1) As required by client to determine the Lead, Cadmium, Mercury and Hexavalent Chromium content in the submitted sample.

2) Determine the PBB' s & PBDE' s in the submitted sample

Test Method: 1) With reference to method EPA3052 or US EPA 3050B, by acid digestion and determined by ICP-AES or AAS

2) With reference to method EPA3052 or EPA3050B or BSEN1122: 2002 Method B, by acid digestion and determined by ICP-AES or AAS

3) With reference method to US EPA3052, by acid digestion and determined by ICP-AES or AAS

4) With reference to US EPA 3060A & 7196A or ISO 3613, Analysis is performed by UL-VIS

5) With reference to US EPA 3540C or EPA8081, Analysis is performed by GC-MS and HPLC-DAD

Test Results: please refer to page 4 to 14

Conclusion: When tested as specified, the results shown on the report do not exceed the limit in commission decision of 01 July 2011 amending Directive 2011/65/EC (EU) 2015/863(RoHS)

Compiled by(+signature): Ken ruan

Ken Ruan

Approved by(+signature):

Wilson Wei

SHENZHEN TOKE Laboratory Co., Ltd.

Guantian Village, Shiyan Town, Bao'an District, Shenzhen, Guangdong, P.R.C.

Web site: Http//: www.toke-test.com

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TOKE represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to the national and international reference standards based on SI Units.

TOKE's reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. TOKEshall have no liability for any declarations, inferences or generalizations drawn by the client or others from TOKE issued reports.

TOKE's reports must not be used by the client to claim product endorsement by the authorities or any agency of the Government.

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1	TEST RESULT	LED Canopy Light
2	Appendix Ⅰ	Photos

Description of the sample

The equipment is a LED Canopy Light

Disclaimer:

★ The integration report is not equivalent to the test report.

★ **TOKE** does not take responsibility for the authenticity of all the test data listed in integration report, which are submitted by the applicants.

★ The applicants are responsible for all the legal obligation caused by the inaccuracy and invalidity of the original report.

★ If this disclaimer contradicts any other terms and conditions of TOKE, this disclaimer will prevail.

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TEST RESULT

Item	1 (ppm)	2 (ppm)	3 (ppm)	4 (ppm)	5 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	Negative	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	100
Mercury(Hg)	Negative	N.D.	N.D.	N.D.	N.D.	1000
Lead(Pb)	47	N.D.	N.D.	N.D.	N.D.	1000

Item	6 (ppm)	7 (ppm)	8 (ppm)	9 (ppm)	10.1 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	N.D.	Negative	Negative	N.D.	1000
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	100
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Lead(Pb)	4	N.D.	N.D.	N.D.	N.D.	1000

Item	10.2 (ppm)	10.3 (ppm)	10.4 (ppm)	10.5 (ppm)	10.6 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	--	Negative	Negative	Negative	Negative	1000
Cadmium(Cd)	--	N.D.	N.D.	N.D.	N.D.	100
Mercury(Hg)	--	N.D.	N.D.	N.D.	N.D.	1000
Lead(Pb)	--	N.D.	15	N.D.	9	1000

Item	10.7 (ppm)	11.1 (ppm)	11.2 (ppm)	12.1 (ppm)	12.2 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	N.D.	N.D.	Negative	N.D.	1000
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	100
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	8	1000

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Item	13 (ppm)	14.1 (ppm)	14.2 (ppm)	15.1 (ppm)	15.2 (ppm)	16.1 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	N.D.	Negative	N.D.	--	Negative	1000
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	--	N.D.	100
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	--	N.D.	1000
Lead(Pb)	N.D.	N.D.	N.D.	215	--	8.9	1000

Item	16.2 (ppm)	17 (ppm)	18 (ppm)	19 (ppm)	RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	--	N.D.	N.D.	1000
Cadmium(Cd)	N.D.	--	N.D.	N.D.	100
Mercury(Hg)	N.D.	--	N.D.	N.D.	1000
Lead(Pb)	14	--	N.D.	N.D.	1000

Item	20 (ppm)	21 (ppm)	22 (ppm)				RoHS Limit (ppm)
Chromium(Cr+6)	N.D.	N.D.	Negative				1000
Cadmium(Cd)	N.D.	N.D.	N.D.				100
Mercury(Hg)	N.D.	N.D.	N.D.				1000
Lead(Pb)	N.D.	N.D.	N.D.				1000

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Item	1 (ppm)	2 (ppm)	3 (ppm)	4 (ppm)	RoHS Limit (ppm)
Total PBBs	N.D.	--	--	N.D.	1000
Monobromobiphenyl	N.D.	N.D.	N.D	N.D.	
Dibromobiphenyl	N.D.	N.D.	N.D	N.D.	
Tribromobiphenyl	N.D.	N.D.	N.D	N.D.	
Tetrabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Pentabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Hexabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Heptabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Octabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Nonabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Decabromobiphenyl	N.D.	N.D.	N.D	N.D.	
Total PBDEs	--	--	--	N.D.	1000
Monobromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Dibromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Tribromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Tetrabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Pentabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Hexabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Heptabromobiphenly ether	N.D.	N.D.	N.D	N.D.	
Octabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Nonabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	
Decabromobiphenyl ether	N.D.	N.D.	N.D	N.D.	

Item	5 (ppm)	6 (ppm)	7 (ppm)	8 (ppm)	RoHS Limit (ppm)
Total PBBs	N.D.	N.D.	N.D.	--	1000
Monobromobiphenyl	N.D.	N.D.	N.D.	--	
Dibromobiphenyl	N.D.	N.D.	N.D.	--	
Tribromobiphenyl	N.D.	N.D.	N.D.	--	
Tetrabromobiphenyl	N.D.	N.D.	N.D.	--	
Pentabromobiphenyl	N.D.	N.D.	N.D.	--	
Hexabromobiphenyl	N.D.	N.D.	N.D.	--	
Heptabromobiphenyl	N.D.	N.D.	N.D.	--	

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Octabromobiphenyl	N.D.	N.D.	N.D.	--	
Nonabromobiphenyl	N.D.	N.D.	N.D.	--	
Decabromobiphenyl	N.D.	N.D.	N.D.	--	
Total PBDEs	N.D.	N.D.	N.D.	--	
Monobromobiphenyl ether	N.D.	N.D.	N.D.	--	
Dibromobiphenyl ether	N.D.	N.D.	N.D.	--	
Tribromobiphenyl ether	N.D.	N.D.	N.D.	--	
Tetrabromobiphenyl ether	N.D.	N.D.	N.D.	--	
Pentabromobiphenyl ether	N.D.	N.D.	N.D.	--	1000
Hexabromobiphenyl ether	N.D.	N.D.	N.D.	--	
Heptabromobiphenly ether	N.D.	N.D.	N.D.	--	
Octabromobiphenyl ether	N.D.	N.D.	N.D.	--	
Nonabromobiphenyl ether	N.D.	N.D.	N.D.	--	
Decabromobiphenyl ether	N.D.	N.D.	N.D.	--	

Item	9 (ppm)	10.1 (ppm)	10.2 (ppm)	10.3 (ppm)	RoHS Limit (ppm)
Total PBBs	--	N.D.	--	--	
Monobromobiphenyl	--	N.D.	--	--	
Dibromobiphenyl	--	N.D.	--	--	
Tribromobiphenyl	--	N.D.	--	--	
Tetrabromobiphenyl	--	N.D.	--	--	
Pentabromobiphenyl	--	N.D.	--	--	1000
Hexabromobiphenyl	--	N.D.	--	--	
Heptabromobiphenyl	--	N.D.	--	--	
Octabromobiphenyl	--	N.D.	--	--	
Nonabromobiphenyl	--	N.D.	--	--	
Decabromobiphenyl	--	N.D.	--	--	
Total PBDEs	--	N.D.	--	--	
Monobromobiphenyl ether	--	N.D.	--	--	
Dibromobiphenyl ether	--	N.D.	--	--	
Tribromobiphenyl ether	--	N.D.	--	--	1000
Tetrabromobiphenyl ether	--	N.D.	--	--	
Pentabromobiphenyl ether	--	N.D.	--	--	
Hexabromobiphenyl ether	--	N.D.	--	--	

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Heptabromobiphenly ether	--	N.D.	--	--	
Octabromobiphenyl ether	--	N.D.	--	--	
Nonabromobiphenyl ether	--	N.D.	--	--	
Decabromobiphenyl ether	--	N.D.	--	--	

Item	10.4 (ppm)	10.5 (ppm)	10.6 (ppm)	10.7 (ppm)	RoHS Limit (ppm)
Total PBBs	--	--	--	N.D.	
Monobromobiphenyl	--	--	--	N.D.	
Dibromobiphenyl	--	--	--	N.D.	
Tribromobiphenyl	--	--	--	N.D.	
Tetrabromobiphenyl	--	--	--	N.D.	
Pentabromobiphenyl	--	--	--	N.D.	1000
Hexabromobiphenyl	--	--	--	N.D.	
Heptabromobiphenyl	--	--	--	N.D.	
Octabromobiphenyl	--	--	--	N.D.	
Nonabromobiphenyl	--	--	--	N.D.	
Decabromobiphenyl	--	--	--	N.D.	
Total PBDEs	--	--	--	N.D.	
Monobromobiphenyl ether	--	--	--	N.D.	
Dibromobiphenyl ether	--	--	--	N.D.	
Tribromobiphenyl ether	--	--	--	N.D.	
Tetrabromobiphenyl ether	--	--	--	N.D.	
Pentabromobiphenyl ether	--	--	--	N.D.	1000
Hexabromobiphenyl ether	--	--	--	N.D.	
Heptabromobiphenly ether	--	--	--	N.D.	
Octabromobiphenyl ether	--	--	--	N.D.	
Nonabromobiphenyl ether	--	--	--	N.D.	
Decabromobiphenyl ether	--	--	--	N.D.	

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Item	11.1 (ppm)	11.2 (ppm)	12.1 (ppm)	12.2 (ppm)	RoHS Limit (ppm)
Total PBBs	N.D.	N.D.	--	N.D.	1000
Monobromobiphenyl	N.D.	N.D.	--	N.D.	
Dibromobiphenyl	N.D.	N.D.	--	N.D.	
Tribromobiphenyl	N.D.	N.D.	--	N.D.	
Tetrabromobiphenyl	N.D.	N.D.	--	N.D.	
Pentabromobiphenyl	N.D.	N.D.	--	N.D.	
Hexabromobiphenyl	N.D.	N.D.	--	N.D.	
Heptabromobiphenyl	N.D.	N.D.	--	N.D.	
Octabromobiphenyl	N.D.	N.D.	--	N.D.	
Nonabromobiphenyl	N.D.	N.D.	--	N.D.	
Decabromobiphenyl	N.D.	N.D.	--	N.D.	
Total PBDEs	N.D.	N.D.	--	N.D.	1000
Monobromobiphenyl ether	N.D.	N.D.	--	N.D.	
Dibromobiphenyl ether	N.D.	N.D.	--	N.D.	
Tribromobiphenyl ether	N.D.	N.D.	--	N.D.	
Tetrabromobiphenyl ether	N.D.	N.D.	--	N.D.	
Pentabromobiphenyl ether	N.D.	N.D.	--	N.D.	
Hexabromobiphenyl ether	N.D.	N.D.	--	N.D.	
Heptabromobiphenly ether	N.D.	N.D.	--	N.D.	
Octabromobiphenyl ether	N.D.	N.D.	--	N.D.	
Nonabromobiphenyl ether	N.D.	N.D.	--	N.D.	
Decabromobiphenyl ether	N.D.	N.D.	--	N.D.	

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Item	13 (ppm)	14.1 (ppm)	14.2 (ppm)	15.1 (ppm)	RoHS Limit (ppm)
Total PBBs	--	--	--	N.D.	1000
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	N.D.	N.D.	N.D.	N.D.	

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Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Total PBDEs	--	--	--	N.D.	1000
Monobromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenly ether	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	

Item	15.2 (ppm)	16.1 (ppm)	16.2 (ppm)	17 (ppm)	RoHS Limit (ppm)
Total PBBs	--	N.D.	N.D.	--	1000
Monobromobiphenyl	--	N.D.	N.D.	--	
Dibromobiphenyl	--	N.D.	N.D.	--	
Tribromobiphenyl	--	N.D.	N.D.	--	

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Tetrabromobiphenyl	--	N.D.	N.D.	--	
Pentabromobiphenyl	--	N.D.	N.D.	--	
Hexabromobiphenyl	--	N.D.	N.D.	--	
Heptabromobiphenyl	--	N.D.	N.D.	--	
Octabromobiphenyl	--	N.D.	N.D.	--	
Nonabromobiphenyl	--	N.D.	N.D.	--	
Decabromobiphenyl	--	N.D.	N.D.	--	
Total PBDEs	--	N.D.	N.D.	--	
Monobromobiphenyl ether	--	N.D.	N.D.	--	
Dibromobiphenyl ether	--	N.D.	N.D.	--	
Tribromobiphenyl ether	--	N.D.	N.D.	--	
Tetrabromobiphenyl ether	--	N.D.	N.D.	--	
Pentabromobiphenyl ether	--	N.D.	N.D.	--	1000
Hexabromobiphenyl ether	--	N.D.	N.D.	--	
Heptabromobiphenly ether	--	N..	N.D.	--	
Octabromobiphenyl ether	--	N.D.	N.D.	--	
Nonabromobiphenyl ether	--	N.D.	N.D.	--	
Decabromobiphenyl ether	--	N.D.	N.D.	--	

Item	18 (ppm)	19 (ppm)	20 (ppm)	21 (ppm)	RoHS Limit (ppm)
Total PBBs	--	--	--	N.D.	
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	N.D.	N.D.	N.D.	N.D.	1000
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	
Total PBDEs	--	--	--	N.D.	
Monobromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	1000
Tetrabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenly ether	N.D.	N.D.	N.D.	N.D.	

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Octabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl ether	N.D.	N.D.	N.D.	N.D.	

Item	22 (ppm)	(ppm)	(ppm)	(ppm)	RoHS Limit (ppm)
Total PBBs	--				1000
Monobromobiphenyl	--				
Dibromobiphenyl	--				1000
Tribromobiphenyl	--				
Tetrabromobiphenyl	--				
Pentabromobiphenyl	--				
Hexabromobiphenyl	--				
Heptabromobiphenyl	--				
Octabromobiphenyl	--				
Nonabromobiphenyl	--				
Decabromobiphenyl	--				
Total PBDEs	--				1000
Monobromobiphenyl ether	--				
Dibromobiphenyl ether	--				
Tribromobiphenyl ether	--				
Tetrabromobiphenyl ether	--				
Pentabromobiphenyl ether	--				
Hexabromobiphenyl ether	--				
Heptabromobiphenly ether	--				
Octabromobiphenyl ether	--				
Nonabromobiphenyl ether	--				
Decabromobiphenyl ether	--				

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Note:

N.D. = Not Detected, less than the value of Detection limit
ppm = mg/kg, based on the dry weight of tested sample
Negative = Absence of Cr+6 coating
"--" = Not regulated
"---"= Not conducted
"<" = Less than

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NO	SAMPLES NAME	REPORT NO.	TEST NO	DESCRIPTION
1	Tin Unleaded wire	CANEC1100583806	1	Silver metal wire
2	copper clad laminate ffor flexible printed wiring board	SH9137308/ CHEM	2	
3	PVC WIRE	GZ0911109072A/CHEM	3	PVC Grain Black
4	Screen printing ink	CANEC1002187603	4	Dk-brown ink
5	Vacuum plating	GZ090872517/CHEM	5	Silvery plated plastic
6	White Zinc Screw	CANEC1000288401	6	Silvery plated metal screw
7	Nickel Screw	Canec0904777103	7	Silver-gray plated metal screw
8	PE bag	GZ1012150695.CHEM	8	Transparent plastic
9	Wire	CANEC0800917801	9	Black plastic w/ grey printing(jacket)
10	Aluminium electrolytic capacitor	CAN10-016063.001	10.1	Grey foil
		CAN10-016063.002	10.2	Silver-grey foil
		CAN10-016063.003	10.3	Silvery metal pin
		CAN10-016063.004	10.4	Silvery metal shell
		CAN10-016063.005	10.5	Lt-brown paper sheet w/ liquid
		CAN10-016063.006	10.6	Black plastic w/ white printing (shell)
		CAN10-016063.007	10.7	Black rubber (cover)
11	Carbon film resistor	CAN11-023508.003	11.1	Silvery metal pin
		CAN11-023508.004	11.2	Brown body with color printing
12	Cable jacket	TWNC00135839S2	12.1	Black
		TWNC00135840S2	12.2	Red
13	Conductor	TWNC00135835S1	13	Tinned annedled copper conductor
14	Solder paste	SH9038788/CHEM	14.1	Silvery dope
		SH9240778/CHEM	14.2	Grey mud
15	Printed circuit board	KA/2010/41265	15.1	Silver/ white PCB
		KA/2009/81266	15.2	Green PCB
16	scaling powder	CE/2009/B5908	16.1	Transparent liquid
		CE/2009/B5909	16.2	Transparent yellow liquid
17	Panel	KA-2009-C0232	17	

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18	Zinc powder	Canec0904752103	18	Silver white powder
19	PC	CANEC0800917811	19	Black plastic
20	Epoxy resin	CE/2009/B5918	20	Translucent
21	Capacitance	TWNC00136235S1	21	Blue metal film
22	Branch pipe	GZE22733695.CHEM	22	Black

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APPENDIX
PHOTOGRAPHS OF EUT

RoHS TEST REPORT

PHOTO 1

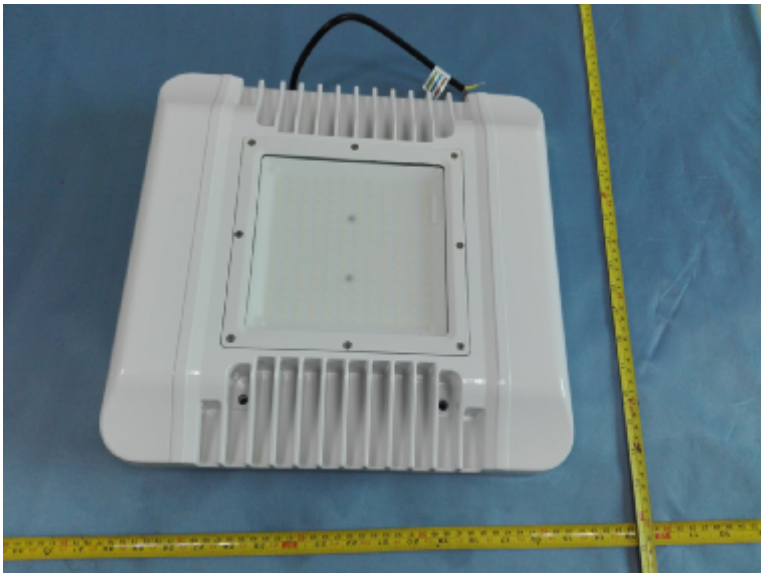

PHOTO 2

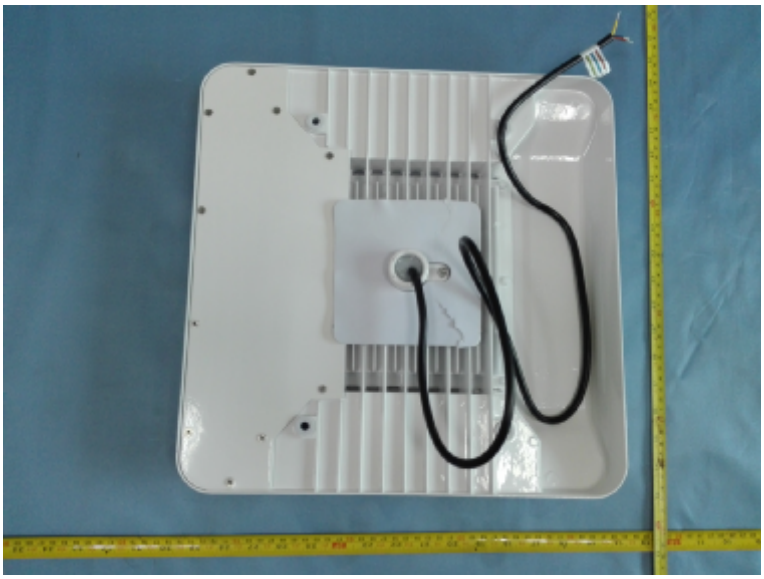

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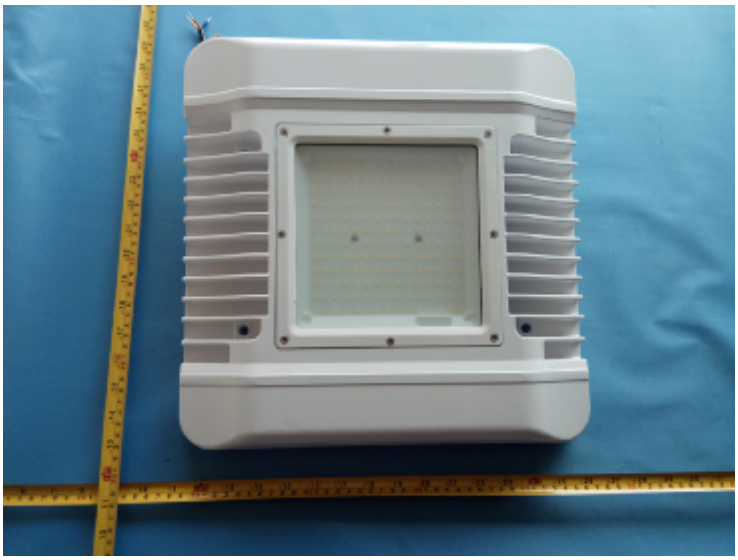
PHOTO 3

PHOTO 4



----------End of test report----------