



POTECH[®]

Test Report

PROFESSIONAL LED LIGHTING SOLUTION

Report No: KEYS240815082002GB-01

Product: Lighting Lifter

Model: PT-LL-20M10

Inspection category: Commissioned inspection report

Entrusting unit : POTECH POWER TECHNOLOGY LIMITED COMPANY

Guangdong KEYS Testing Technology Co.,Ltd.

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PROFESSIONAL LED LIGHTING SOLUTION



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Test Report

Product name:	Lighting Lifter	Name of entrusting unit:	POTECH POWER TECHNOLOGY LIMITED COMPANY		
Model:	PT-LL-20M10	Address of Entrusting Unit:	350/33/10/9B National Route 1, 4 Quarter, An Phu Dong Ward, District 12, Ho Chi Minh City, Vietnam		
Regulations:	AC100-240V, 50Hz, 25W	Producer (manufacturer):	ZHONGSHAN DIHAN LIGHTING CO., LTD		
Trade mark:	POTECH	Producer (manufacturer) address:	Room 2, Floor 5, No. 19, Caosan Gongye Road, Guzhen Town, Zhongshan City, Guangdong Province, China		
Number:	1	Production enterprises:	--		
Sampling method	sample presentation	Address of production list factory:	--		
Delivery date:	2024.08.15	Inspection date:	2024.08.15-2024.08.23	Inspection environment:	20-25℃, 50-60%RH
Inspection basis:	1.GB 4706.1-2005 Safety of household and similar electrical appliances- -Part 1: General requirements 2.Commissioned inspection				
Inspection items:	1. MARKING AND INSTRUCTIONS(7.1-7.11) 2. PROTECTION AGAINST ACCESS TO LIVE PARTS (8) 3. ELECTRIC STRENGTH AT OPERATING TEMPERATURE(13.3) 4. STABILITY AND MECHANICAL HAZARDS(20) 5. INTERNAL WIRING(23)				
Test conclusion:	Pass				
Main inspection:	Jake Liang		 Guangdong KEYS Testing Technology Co., Ltd. (stamp) Date: August 23, 2024		
Signature:	<i>Jake Liang</i> Date: 2024.08.23				
Review:	Sunny Li				
Signature:	<i>Sunny Li</i> Date: 2024.08.23				
Approval:	Jason Zhan				
Signature:	<i>Jason Zhan</i> Date: 2024.08.23				
Remark: Main inspection model: PT-LL-20M10 , series model: PT-LL-10M15, PT-LL-10M20, PT-LL-15M11, PT-LL-25M9, PT-LL-30M8. The differences between the models in this application are due to different sales regions and model names. Their circuit principles, safety structures, key components, etc. are completely identical and do not affect the safety performance of the products.					

Matters needing attention

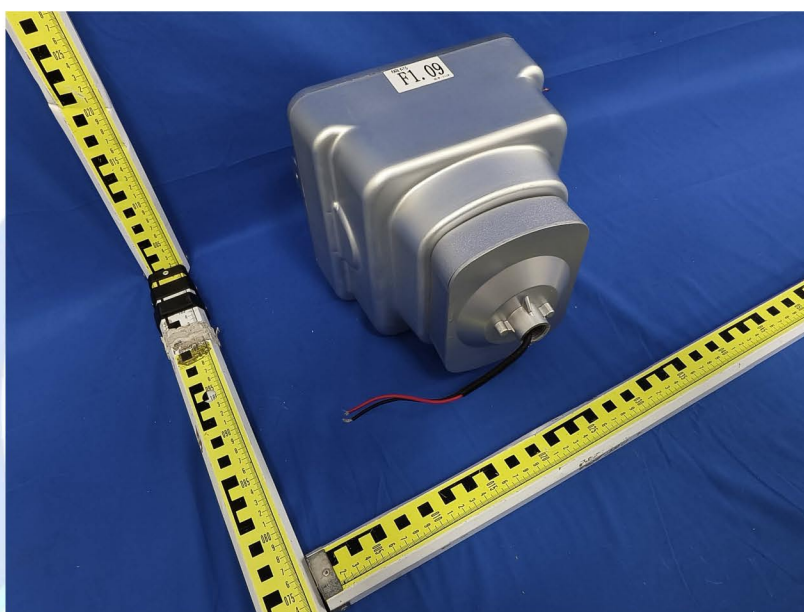
1. The report is invalid without a "special seal for inspection report" or the official seal of the inspection unit.
 2. The duplicate report is invalid if the "Special Seal for Inspection Report" is not re-affixed or the official seal of the inspection unit is not re-affixed. No part of this report shall be reproduced without the written consent of the entrusting unit.
 3. The report is invalid without the signature and seal of the chief inspector, examiner and approver, and the report shall be stamped with the sealing seal.
 4. The altered report is invalid.
 5. If you have any objection to the inspection report, you should raise it to the inspection unit within 15 days after receiving the report, and it will not be dealt with after the deadline. Entrusted inspection is only responsible for incoming samples.
- The symbol "P" in the table means qualified, "F" means unqualified, and "N" means no test or no assessment.

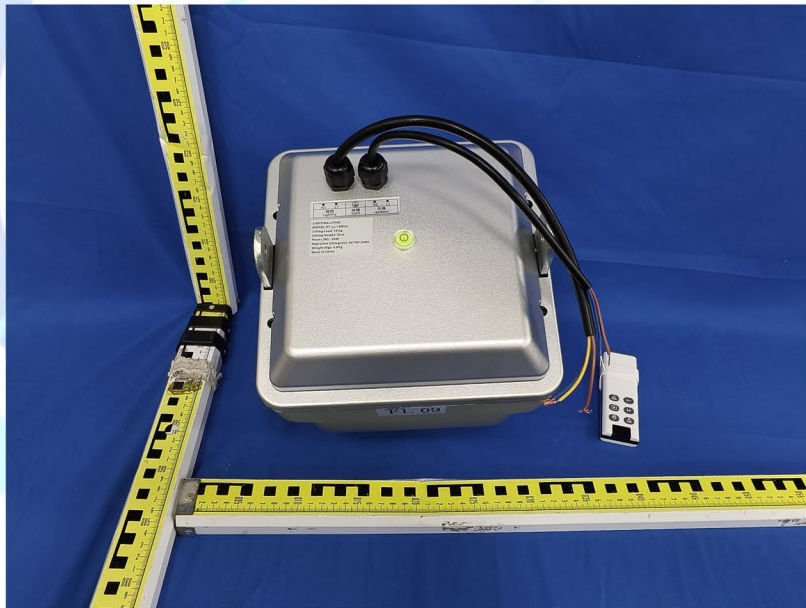
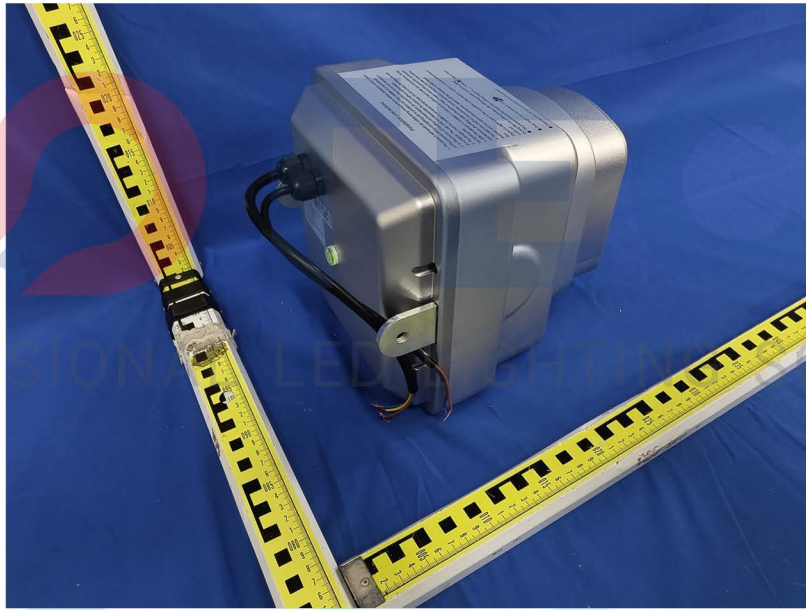
Sample description

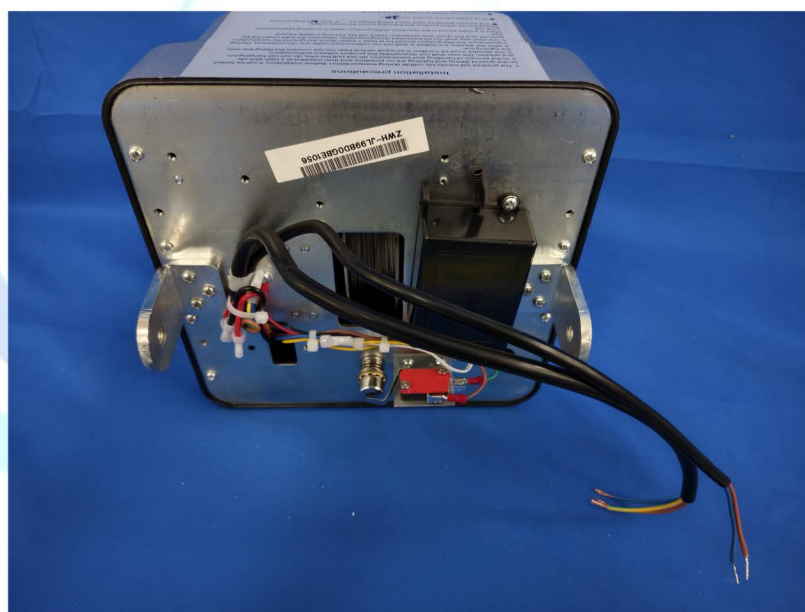
1. rating
Rated voltage or voltage range:AC100-240V
Rated power or power range:25W
Rated capacity (or volume):/
Rated current or current range:/
Rated frequency or frequency range:50Hz
2. Power supply properties: single phase A.C[☒] three phase current [☐] DC[☐] ACDC [☐]
3. Electric shock protection protection category: Class 0[☐] Class 0 I [☐] Class I [☒] Class II [☐] Class III[☐]
- 4.levels of protection : IP X0
5. Appliance type: portable type[☐] hand held type [☐] In the vertical[☐] stationary type[☐] Inset type[☒]
6. operation mode: continuous work[☒] short-term operation [☐] interrupted duty [☐]
7. Appliance control mode:Mechanical control[☒] Electronic control[☐] other[☐]
8. Power cord plug type:Single phase bipolar[☐] Single phase tripole[☒] Three phases and four poles[☐]
9. Product Special Description:
Whole plastic shell[☐] Metal shell[☒] Composite shell[☐] fixed handle[☐] Folding handle[☐] other[☐]
- 10.Product nameplate: stick[☒] Non-stick[☐]

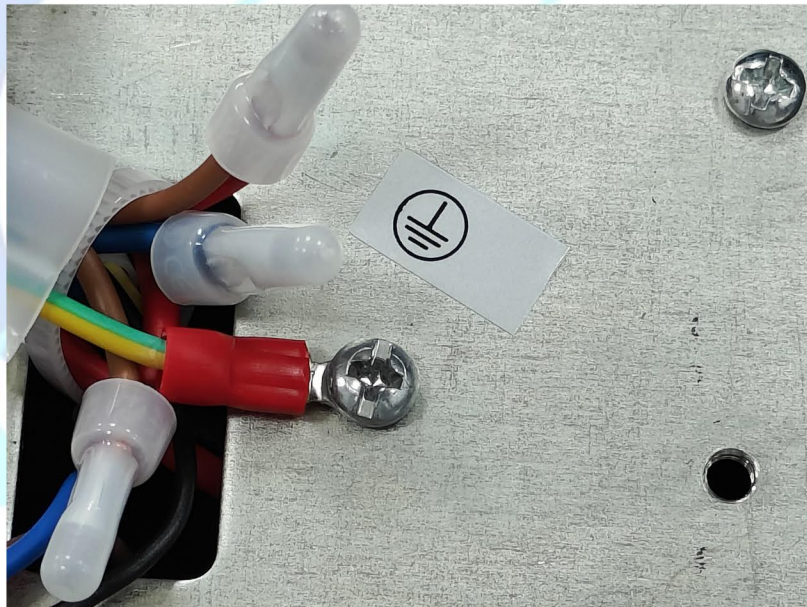
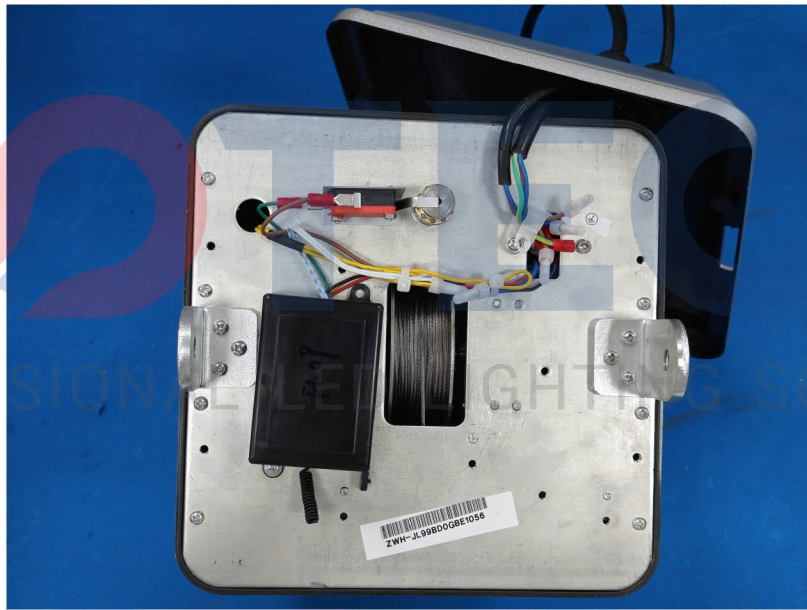
Product nameplate:

Product name: Lighting Lifter
Product model: PT-LL-20M10
Rated voltage : AC 100-240V,50Hz
Power rating: 25W
Manufacturer : ZHONGSHAN DIHAN LIGHTING CO., LTD









GB4706.1-2005			
Clause	Requirement - Test	Result - Remark	Verdict
7	MARKING AND INSTRUCTIONS		P
7.1	Rated voltage or voltage range (V).....:	100-240V	P
	Symbol for nature of supply, or.....:	~	P
	Rated frequency (Hz).....:	50Hz	P
	Rated power input (W), or.....:	25W	P
	Rated current (A)		N/A
	Manufacturer's or responsible vendor's name, trademark or identification mark.....:	ZHONGSHAN DIHAN LIGHTING CO., LTD	P
	Model or type reference.....:	PT-LL-20M10	P
	Symbol IEC 60417-5172, for class II appliances		N/A
	IP number, other than IPX0.....:	IPX0	N/A
7.2	Warning for stationary appliances for multiple supply		N/A
	Warning placed in vicinity of terminal cover		N/A
7.3	Correctly mark the rating range		N/A
7.4	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequency setting is clearly discernible		N/A
7.5	Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless		P
	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear		N/A
7.6	Correct symbols used		P
7.7	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless		N/A
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		P
	- marking of terminals exclusively for the neutral conductor (letter N)		N/A
	- marking of protective earthing terminals		P
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		N/A

GB4706.1-2005			
Clause	Requirement - Test	Result - Remark	Verdict
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means.....:		P
	If figures are used, the off position indicated by the figure 0		N/A
7.11	Indication for direction of adjustment of controls		N/A
8	PROTECTION AGAINST ACCESS TO LIVE PARTS		P
8.1	Adequate protection against accidental contact with live parts		P
8.1.1	All states, including those present after removing the removable parts		P
	During lamps installation, protection should be protection against touching live parts		N/A
	Check with the rod B in IEC61032 without touching the live parts		N/A
8.1.2	Check the pores on the Class 0 appliance, Class II appliance or Class II structure with the probe rod 13 in IEC61032 without touching the live parts		N/A
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		N/A
8.1.3	Check the non-Class II appliance with the probe rod 41 in IEC61032 without touching the live parts of the visible hot electric element		N/A
8.1.4	Accessible part not considered live if:		N/A
	- safety extra-low a.c. voltage: peak value not exceeding 42.4 V		N/A
	- safety extra-low d.c. voltage: not exceeding 42.4 V		N/A
	If protective impedance: d.c. current not exceeding 2 mA, and		N/A
	a.c. peak value not exceeding 0.7 mA		N/A
	- for peak values over 42.4 V up to and including 450 V, capacitance not exceeding 0,1 μ F		N/A
	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 μ C		N/A
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		N/A
	- built-in appliances		N/A
	- fixed appliances		N/A
	- appliances delivered in separate units		N/A

GB4706.1-2005			
Clause	Requirement - Test	Result - Remark	Verdict
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only		N/A
13.3	Electrical strength test of the insulation	(see appended table)	P
	Breakdown should not occur during testing		P
20	STABILITY AND MECHANICAL HAZARDS		P
20.1	Appliances having adequate stability		P
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn		P
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		P
	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9		N/A
20.2	Moving parts adequately arranged or enclosed as to provide protection against personal injury		N/A
	Protective enclosures, guards and similar parts are non-detachable, and		P
	have adequate mechanical strength		P
	Self-resetting thermal cut-outs and overcurrent protective devices not causing a hazard by unexpected closure		N/A
	Not possible to touch dangerous moving parts with the test probe described		N/A
23	INTERNAL WIRING		P
23.1	Wireways smooth and free from sharp edges		P
	Wires protected against contact with burrs, cooling fins etc.		P
	Wire holes in metal well-rounded or provided with bushings		N/A
	Wiring effectively prevented from coming into contact with moving parts		N/A
23.2	Beads etc. on live wires cannot change their position, and are not resting on sharp edges		N/A
	Beads inside flexible metal conduits contained within an insulating sleeve		N/A

GB4706.1-2005			
Clause	Requirement - Test	Result - Remark	Verdict
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress		N/A
	Flexible metallic tubes not causing damage to insulation of conductors		N/A
	Open-coil springs not used		N/A
	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another		N/A
	No damage after 10 000 flexings for conductors flexed during normal use, or		N/A
	Electric strength test of 1000 V between live parts and accessible metal parts		N/A
23.4	Bare internal wiring sufficiently rigid and fixed		N/A
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use		P
	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation		N/A
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or		N/A
23.7	The colour combination green/yellow only used for earthing conductors		P
23.8	Aluminium wires not used for internal wiring		P
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless		N/A
	The clamping device is structured so that there is no danger of adverse contact due to cold flow of the flux		P
23.10	The insulation and sheath of internal wiring, incorporated in external hoses for the connection of an appliance to the water mains, at least equivalent to that of light polyvinyl chloride sheathed flexible cord (60227 IEC 52)		N/A

GB4706.1-2005			
Clause	Requirement - Test	Result - Remark	Verdict

13.3	TABLE: Electric strength		P
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)
Between the live parts and the ground terminals		3000	No
Between the power poles L / N and the accessible metal parts		1000	No



Statement

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The test results in this report are valid for the tested samples only

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If you have any objection to this report, please raise your objection within 15 days from the date of receipt of the report

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