



中国认可
国际互认
检测
TESTING
CNAS L5772

Test Report issued under the responsibility of:



TEST REPORT IEC 62560 Self-Ballasted LED-Lamp for general lighting services by voltage > 50V Safety specifications	
Report Number.....:	PTC25060416601S-LD01
Date of issue.....:	June 23, 2025
Total number of pages.....:	22 pages
Name of Testing Laboratory preparing the Report.....:	Precise Testing & Certification (Guangdong) Co.,Ltd.
Applicant's name.....:	Haining Shengchang electric light source technology Co., Ltd
Address.....:	Tanqiao Industrial Park, Yuanhua Town, Haining City, Zhejiang Province
Test specification:	
Standard.....:	IEC 62560:2011, AMD1:2015
Test procedure.....:	PTC
Non-standard test method.....:	N/A
Test Report Form No.....:	IEC62560C
Test Report Form(s) Originator.....:	DEKRA Certification B.V.
Master TRF.....:	Dated 2018-12-21
This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.	
This report is not valid as a CB Test Report unless signed by an approved IECEE Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.	
General disclaimer:	
The test results presented in this report relate only to the object tested.	



Test item description.....:	LED filament lamp	
Trade Mark(s).....:	/	
Manufacturer.....:	Haining Shengchang electric light source technology Co., Ltd	
Model/Type reference.....:	A60-8W,Details see model list on page 6.	
Ratings.....:	Input:220-240VAC 50/60Hz 8W	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒	Testing Laboratory:	Precise Testing & Certification (Guangdong) Co.,Ltd.
	Testing location/ address.....:	Building1,No.6,TongxinRoad,Dongcheng Street,Dongguan, Guangdong,China.
	Tested by (name, function, signature).....:	YangJunChao 
	Approved by (name, function, signature)....:	Rocky Mao 
		
☐	Testing procedure: CTF Stage 1:	N/A
	Testing location/ address.....:	
	Tested by (name, function, signature).....:	
	Approved by (name, function, signature)....:	
☐	Testing procedure: CTF Stage 2:	N/A
	Testing location/ address.....:	
	Tested by (name + signature).....:	
	Witnessed by (name, function, signature)..:	
	Approved by (name, function, signature)....:	
☐	Testing procedure: CTF Stage 3:	N/A
☐	Testing procedure: CTF Stage 4:	N/A
	Testing location/ address.....:	
	Tested by (name, function, signature).....:	
	Witnessed by (name, function, signature)..:	
	Approved by (name, function, signature)....:	
	Supervised by (name, function, signature) :	

List of Attachments (including a total number of pages in each attachment):**Attachment 1: Additional requirement of EN IEC 62031: 2020 ;****Attachment 2: Additional requirement test for IEC TR 62778:2014;****Attachment 3: Additional requirement test for EN 62560:2012/A1:2015;****Attachment 4: Photo documentation****Summary of testing:****Tests performed (name of test and test clause):**

All applicable tests as described in the compliance checklist were performed

Testing location:

Building1, No.6,TongxinRoad, Dongcheng Street,Dongguan,Guangdong,China.

Summary of compliance with National Differences (List of countries addressed):

- ☒ **The product fulfils the requirements of IEC 62560:2011, AMD1:2015.**
- ☒ **The product fulfils the requirements of EN 62560:2012/A11:2019.**

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

LED filament lamp
Model No.: A60-8W
Rated voltage: 220-240V~
Rated frequency:50/60Hz
Rated power:8W



**Haining Shengchang Electric Light Source
Technology Co.,Ltd**

Note: XX consists of two numbers, representing the date of production.

Remark:

- 1.The above marking is the minimum requirements by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added. The height of WEEE mark at least 7mm, height of other marks at least 5mm, height of letters and numerals at least 2mm.
- 2.The batch or serial number should be pasted to product before sell to EU market.
- 3.Manufacturer information (name/registered trademark/registered trade name and postal address) and importer information for manufacturer outside of the EU (name/registered trademark/registered trade name and postal address) should be pasted on product when sell the product to the EU market.

Test item particulars : See test report	
Classification of installation and use : Class II	
Supply Connection : E27 lamp holder	
Possible test case verdicts: - test case does not apply to the test object..... : 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 : June 05, 2025	
Date (s) of performance of tests : June 05, 2025 to June 23, 2025	
General remarks:	
"(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. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law." Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC60068-2-1:	
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) : Haining Shengchang electric light source technology Co., Ltd Tanqiao Industrial Park, Yuanhua Town, Haining City, Zhejiang Province	
General product information and other remarks: 1. Product: LED filament lamp 2. The specified maximum ambient temperature for luminaires is -10C~+40°C. 3. Main inspection model: A60-8W Covered model: C35-2W, C35-4W, C35-5W G45-2W, G45-4W, G45-5W, A60-2W, A60-4W, A60-6W, A60-8W, A60-8W-E27(3000K), ST64-2W, ST64-4W, ST64-6W, ST64-8W, G80-	

2W G80-4W, G80-6W, G80-8W, G95-2W, G95-4W, G95-6W, G95-8W, G125-2W, G125-4W, G125-6W; G125-8W, T45-2W, T45-4W T45-6W, T45-8W, S14-2W, S14-4W, S14-5W, T30-125-2W, T30-125-4W, T30-125-6W, T30-145-2W, T30-145-4W, T30-145-6W, T30-185-2W, T30-185-4W, T30-185-6W, T30-185-8W, T30-225-2W, T30-225-4W, T30-225-6W, T30-225-8W, T30-300-2W, T30-300-4W, T30-300-6W, T30-300-8W, PS160-4W, PS160-6W, PS160-8W, G150-4W, G150-6W, G150-8W; G180-4W, G180-6W, G180-8W, G200-4W, G200-6W, G200-8W, G250-4W, G250-6W, G250-8W, BT180-4W, BT180-6W, BT180-8W, TT75-4W, TT75-6W, TT75-8W, R160-4W, R160-6W, R160-8W, LS200-4W, LS200-6W, LS200-8W, ZS125-4W, ZS125-6W, NG95-4W, NG95-6W, NG125-4W, NG125-6W, BL125-4W, BL125-6W, BT75-8w, BT75-7w, BT75-6w, BT75-5w, BT75-4w, BIB95-8w, BIB95-7w, BIB95-6w, BIB95-5w, BIB95-4w, BIB125-8w, BIB125-7w, BIB125-6w, BIB125-5w, BIB125-4w, C82407MM, C82409MM

The differences between the covered model and the main check model are as follows: Only power level and appearance are different.

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		P
4.1	The lamp shall be so designed and constructed that in normal use cause no danger to the user.		P
4.2	Self-ballasted LED-Lamp are non-repairable.		P

5	MARKING		P
5.1	Mandatory marking		P
	- mark of origin		P
	- rated supply voltage (V).....:	220-240VAC	P
	- rated wattage (W).....:	8W	P
	- rated frequency (Hz).....:	50/60Hz	P
5.2	Addition marking		N/A
	- rated current (A).....:	0.046A	P
	- weight significantly higher		N/A
	- special conditions or restrictions		N/A
	Not suitable for dimming; symbol used		P
	- not suitable for water contact		P
5.3	Marking durable and legible		P
	rubbing 15 s water, 15 s petroleum; marking legible		P

6	INTERCHANGEABILITY		P
6.1	Cap interchangeability in accordance with IEC 60061-1		P
	Gauge in accordance with IEC 60061-3		P
6.2	Bending moment and mass imparted by the lamp at the lampholder		P
	Bending moment imparted by the lamp at the lampholder (Nm).....:	2.0Nm	P
	Mass not exceeding value table 2 or as specified in IEC 60061-1 (kg).....:		P

7	PROTECTION AGAINST ACCIDENTAL CONTACT WITH LIVE PARTS		P
	Internal, basic insulated or live metal parts not accessible		P

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict
	Tested with a test finger with a force of 10 N		P
	Compliance checked with appropriate gauges		P

8	INSULATION RESISTANCE AND ELECTRIC STRENGTH		P
8.2	After storage 48 h at 91-95% relative humidity and 20-30 °C measuring of insulation resistance with d.c. 500 V (MΩ):		P
	≥ 4 MΩ for double or reinforced insulation.....:		P
8.3	Immediately after clause 8.2 electric strength test for 1 min		P
	Double or reinforced insulation, 4U + 2000 V		P
	No flashover or breakdown		P

9	MECHANICAL STRENGTH		P
9.2.1	Torsion resistance of unused lamps		P
	B15d or E14 Cap..... 1,15 Nm		N/A
	B22d, E26, E26d or E27 Cap..... 3,0 Nm		P
	E11 or E12 Cap..... 0,8 Nm		N/A
	E17 Cap..... 1,5 Nm		N/A
	E39 or E40 Cap..... 5,0 Nm		N/A
	GX53 Cap..... 3,0 Nm		N/A
9.3	Compliance criteria		P
	Clause 8 shall comply after the mechanical strength test.		P
9.4	Axial strength of Edison caps		P
	After full insertion into the gauge an axial force of Table 4 is applied to the central contact (N).....:		P
	The insulation around the central contact shall remain intact		P

10	CAP TEMPERATURE RISE		P
	The cap temperature rise Δt_s of the lamp shall not exceed 120 K.		P

11	RESISTANCE TO HEAT		P
-----------	---------------------------	--	---

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict
	Parts of insulating material providing protection against electric shock, retaining live parts in position, ball-pressure test:	(see appended table)	P

12	RESISTANCE TO FLAME AND IGNITION		P
	External parts of insulating material preventing electric shock glow-wire test 650 °C	(see appended table)	P

13	FAULT CONDITIONS		P
13.2	Fault conditions: where diagram indicates fault condition impairs safety, electronic components have been short-circuited or disconnected	(see appended table)	P
13.3	When operated under fault conditions the lamp		P
	- does not emit flames or molten material		P
	- does not produce flammable gases or smoke		P
	- live parts not accessible		P
	After the tests the insulation resistance with d.c. 1000 V complies with requirements of Cl. 8.1.....:		N/A

14 (16)	CREEPAGE DISTANCES AND CLEARANCES		P
	Creepage distances and clearances according to IEC 61347-1	(see appended table)	P
	Conductive accessible parts according to IEC 60598-1	(see appended table)	P

15	ABNORMAL OPERATION		P
	Non-dimmable self-ballasted lamps are tested on a dimmer or an electronic switch according the test circuit shown in Figure 8		P
	Operate the lamp for 8 h at most onerous dimming level		P
	When operated under abnormal operation the lamp		P
	- does not catch fire		P
	- does not produce flammable gases		P
	- live parts not accessible		P

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict
16	TEST CONDITIONS FOR DIMMABLE LAMPS		N/A
	Test are carried out at maximum power setting for Clause 10 and Clause 17		N/A

17	PHOTOBIOLOGICAL SAFETY		P
17.1	UV radiation		N/A
	The LED lamp doesn't exceed 2mW/klm		N/A
17.2	Blue light hazard		P
	Assessed according to IEC TR 62778		P
	LED lamps shall be RG0 or RG1	RG0	P

18	INGRESS PROTECTION		P
18.1	Lamps shall be suitable for water contact unless marked with Figure 6		N/A
18.2	The lamp is subjected to an IPX4 test according to IEC 60598-1		N/A
	The lamp complies with the compliance provisions of 9.2 of IEC 60598-1		N/A
	Lamps constructed so that it is sealed to exclude water need not to be tested		N/A

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict

11	TABLE: Ball Pressure Test of Thermoplastics			P
Allowed impression diameter (mm):				—
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	
PCB	--	125	1.1	
Supplementary information:				

12	TABLE: Resistance to heat and fire - Glow wire tests				P
Object/ Part No./ Material	Manufacturer/ trademark	Glow wire test (GWT); (°C)		Verdict	
		650			
		te	ti		
Plastic enclosure	--	--	--	P	
Diffusion	--	--	--	P	
Heat shrink bushing	--	--	--	P	

13	TABLE: tests of fault conditions			p
Part	Simulated fault	Result		Hazard
capacitance	short-circuit	pass		NO

14	TABLE: Clearance And Creepage Distance Measurements					P
clearance cl and creepage distance dcr at/of:	Up (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)
Between live parts and accessible metal parts	240	270	3.1	>3.1	5.1	>5.1
Different polarity	240	269	1.6	>1.7	2.7	>2.8
Supplementary information:						

IEC 62560			
Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 1	TABLE: Critical components information						P
object/part No.	Code	manufacturer/ trademark	Type /model	technical data	standard	mark(s) of conformity	
Driver PCB	B	JIANGMEN HESHENG ELECTRONIC TECHNOLOGY CO.,LTD	HS-M	V-0 130℃	UL796	E514910	
Driver PCB	D	SHENZHEN FUSHENG ELECTRONICS CO LTD	CB-M	V-0 130℃	UL796	E308301	
Fuse (F1)	B	SHENZHEN GREAT ELECTRONICS CO LTD	RXF	33Ω,0.5WS	EN 60065	E301541	
Fuse (F1)	B	Jiangxi Xinxuyuan Electronics Co., LTD	RXF	33Ω,0.5WS	EN 60065	E522284	
Fuse (F1)	B	Jiangxi Xinxuyuan Electronics Co., LTD	RXF	33Ω,0.5WS	EN 60065	E522284	
Heat-shrinkable tube for fuse	B	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR-H	VW-1, 600V,125℃	UL224	E203950	
Heat-shrinkable tube for fuse	B	GUANGZHOU KAIHENG NEW MATERIAL CO LTD	K-102	VW-1, 600V,125℃	UL224	E321827	
Internal wire	B	DONGGUAN YIAO ELECTRONICS CO LTD	3239	Min. 28AWG Maximum 150℃	UL758	E348933	
Internal wire	B	Shenzhen YiXianTong Cable Co Ltd	3239	Min. 28AWG Maximum 150℃	UL758	E506915	
LED cover	C	Haiyan Hehe Trading Co., Ltd	A60	--	EN60598-1 EN60598- 2-1	Test with appliance SHAEC24014 845702	

IEC 62560						
Clause	Requirement + Test			Result - Remark		Verdict
LED	C	Shenzhen MTC Lighting Co.,Ltd	5315	53mm 24 core 65V Ra>80 SDCM<6	IEC/TR 62778	Test with appliance RSZ17070150 3-10
Lamp holder	C	Haining Hongsen Lamp Head Co., Ltd	E27	--	EN60598-1 EN60598-2-1	Test with appliance CANEC23052 65002
Glass core column	C	Chenjia Bubble Shell Factory, Yuanhua Town, Haining City		--	EN60598-1 EN60598-2-1	tested with appliance

Supplementary information:

¹⁾ Provided evidence ensures the agreed level of compliance. See OD-CB2039.

The codes above have the following meaning:

- A - The component is replaceable with another one, also certified, with equivalent characteristics
- B - The component is replaceable if authorised by the test house
- C - Integrated component tested together with the appliance
- D - Alternative component

Attachment 1 - EN IEC 62031: 2020			
Clause	Requirement + Test	Result - Remark	Verdict

6	MARKING		P
6.2	Contents of marking for built-in and for independent LED modules		N/A
6.3	Location of marking for built-in LED modules		N/A
6.4	Location of marking for independent LED modules		N/A
6.5	Marking of integral LED modules		N/A
6.6	Durable and legibility of marking		N/A

7	TERMINALS		N/A
----------	------------------	--	------------

8 (9)	EARTHING		N/A
- (9.1)	Provisions for protective earthing		N/A
- (9.2)	Provision for functional earthing		N/A
- (9.3)	Lamp controlgear with conductors for protective earthing by tracks on printed circuit board		N/A
- (9.4)	Earthing of built-in lamp controlgear		N/A
- (9.5)	Earthing via independent controlgear		N/A

9 (10)	PROTECTION AGAINST ACCIDENTAL CONTACT WITH LIVE PARTS		P
---------------	--	--	----------

10 (11)	MOISTURE RESISTANCE AND INSULATION		P
	After storage 48 h at 91-95% relative humidity and 20-30 °C measuring of insulation resistance with d.c. 500 V (MΩ):		P
	For basic insulation $\geq 2 \text{ M}\Omega$:		N/A
	For double or reinforced insulation $\geq 4 \text{ M}\Omega$:		P
	Between primary and secondary circuits in controlgear providing SELV, values in Annex L in IEC 61347-1		N/A

Attachment 1 - EN IEC 62031: 2020			
Clause	Requirement + Test	Result - Remark	Verdict
11 (12)	ELECTRIC STRENGTH		P
	Immediately after clause 11 electric strength test for 1 min		P
	Basic insulation for SELV, test voltage 500 V		N/A
	Working voltage ≤ 50 V, test voltage 500 V		N/A
	Working voltage > 50 V ≤ 1000 V, test voltage (V):		P
	Basic insulation, $2U + 1000$ V		P
	Supplementary insulation, $2U + 1000$ V		N/A
	Double or reinforced insulation, $4U + 2000$ V		P
	No flashover or breakdown		P
	Solid or thin sheet insulation for double or reinforced insulation fulfil the requirements in Annex N in IEC 61347-1		P
12 (14)	FAULT CONDITIONS		P
12.2	Overpower condition		P
	Module withstands overpower condition >15 min.		P
	Module with automatic protective device or power limiter, test performed 15 min. at limit.		N/A
	No fire, smoke or flammable gas is produced		P
	Molten material does not ignite tissue paper, spread below the module		P
14 (15)	CONSTRUCTION		N/A
15 (16)	CREEPAGE DISTANCES AND CLEARANCES		P
16 (17)	SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS		P
17 (18)	RESISTANCE TO HEAT, FIRE AND TRACKING		P
18	RESISTANCE TO CORROSION		N/A
20	HEAT MANAGEMENT		N/A

Attachment 1 - EN IEC 62031: 2020			
Clause	Requirement + Test	Result - Remark	Verdict

22	PHOTOBIOLOGICAL SAFETY		P
22.1	UV radiation		N/A
	Luminous radiation not exceed 2mW/klm		N/A
22.2	Blue light hazard		P
	Assessed according to IEC TR 62778		P
22.3	Infrared radiation		N/A
	Requirements for infrared radiation when required		N/A

Select model Basic Plus A60 9W 865 E27 for fault testing

Attachment 1 - EN IEC 62031: 2020

Clause	Requirement + Test	Result - Remark	Verdict
--------	--------------------	-----------------	---------

13	FAULT CONDITIONS		P
13.2	Fault conditions: where diagram indicates fault condition impairs safety, electronic components have been short-circuited or disconnected	(see appended table)	P
13.3	When operated under fault conditions the lamp		P
	- does not emit flames or molten material		P
	- does not produce flammable gases or smoke		P
	- live parts not accessible		P
	After the tests the insulation resistance with d.c. 1000 V complies with requirements of Cl. 8.1.....:		N/A

13	TABLE: tests of fault conditions		p
Part	Simulated fault	Result	Hazard
capacitance	short-circuit	pass	NO

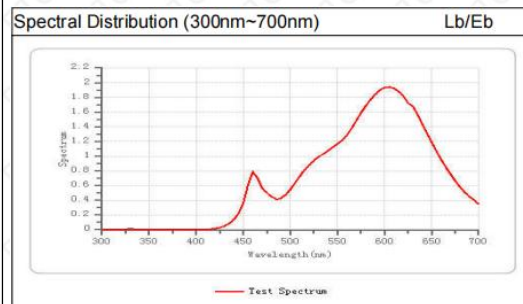
Attachment 2			
IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict
7	MEASUREMENT INFORMATION FLOW		P
7.1	Basic flow		P
	'Law of conservation of luminance' applied		N/A
	Use of only true luminance/radiance values		N/A
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		N/A
	In case E_{thr} value for RG2 was established the peak value was derived from angular light distribution		N/A
7.2	Conditions for the radiance measurement		P
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N/A
7.3	Special cases (I): Replacement by a lamp or LED module of another type		N/A
	Light source is a white light source		N/A
	Evaluation done based on highest luminance		N/A
	Evaluation done based on CCT value		N/A
7.4	Special cases (II): Arrays and clusters of primary light sources		N/A
	LED package is evaluated as : ☐ RG0 unlimited ☐ RG1 unlimited		N/A
	E_{thr} of LED package applies to array		N/A
8	RISK GROUP CLASSIFICATION		P
	Risk group achieved:		P
	-... Risk Group 0 unlimited		P
	-... Risk Group 1 unlimited		N/A
	- E_{thr} (lx) : Distance to reach RG1..... (m) :		N/A

Attachment 2			
IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE: Spectroradiometric measurement			P
Measurement performed on:	☐ LED package ☐ LED module ☒ Lamp ☐ Luminaire		P
Model number.....	A60-8W		P
Test voltage (V).....	230VAC		—
Test current (mA).....	46		—
Test frequency (Hz).....	50		—
Ambient, t (°C).....	25		—
Measurement distance.....	☒ 20 cm ☐ ... cm		—
Source size	☒ Non-small ☐ Small : mm		—
Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)		—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	—	—
x/y colour coordinates			—	—
Blue light hazard radiance	L _B	W/(m ² •sr ¹)	5.938E+01	RG0
Blue light hazard irradiance	E _B	W/m ²	---	—
Luminance	L	cd/m ²	2.710E+05	—
Illuminance	E	lx	---	—

Supplementary information:



Attachment 3 Photo documentations

Model:A60-8W

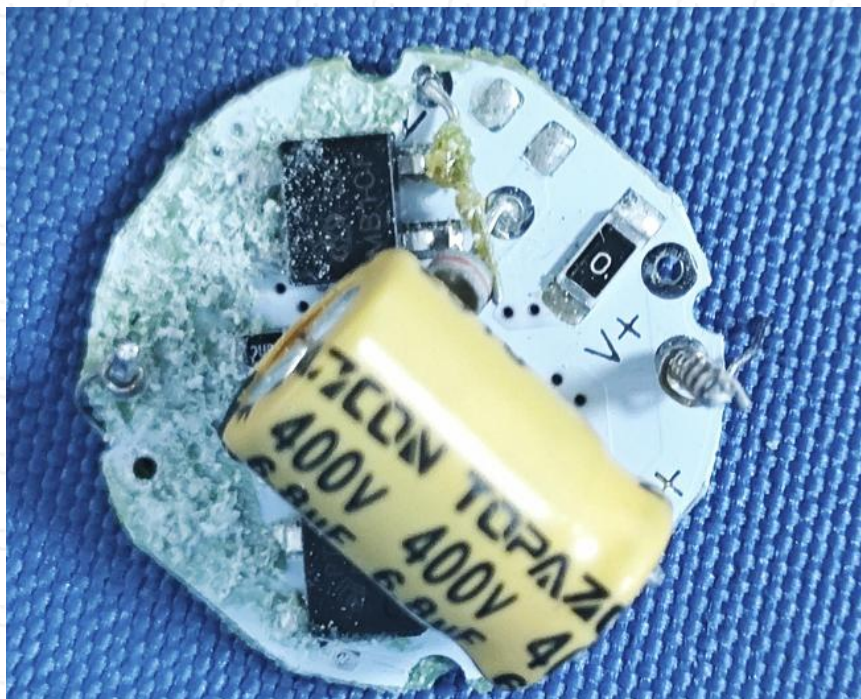


Model:A60-8W



Attachment 3 Photo documentations

Model:A60-8W



Covered model:BT75-4w



Attachment 3 Photo documentations

Covered model:BIB95-5w

