Test Report issued under the responsibility of:



Report Number.....: AOC250701002S

Date of issue....: 2025-07-04

Total number of pages...... 18 pages

Name of Testing Laboratory Shenzhen AOCE Electronic Technology Service Co., Ltd

Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China

Applicant's name...... Shenzhen Everbright Lighting Co., Ltd.

Address.....: 5th Floor, No2 Building, Nanfengcheng Industrial park, Shilong

Community, Shiyan Street, Bao`an District, Shenzhen, China

Test specification:

Standard.....: IEC 62560:2011+A1:2015

Test procedure.....: Typeing test

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

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General disclaimer:

The test results presented in this report relate only to the object tested.

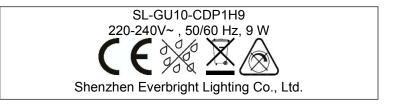
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Test	item description:	LED s	oot lights	
Trade Mark: N/A				
Manufacturer: Shenzh		hen Everbright Lighting C	Co., Ltd.	
				gcheng Industrial park,Shilong an District,Shenzhen,China
Mod	el/Type reference:		odel List	an District, Offerizhert, Offina
	• •			
Raui	ngs:	220-24	40 V∼, 50/60 Hz, 9 W	
Resp	oonsible Testing Laboratory (as a	pplicab	le), testing procedure a	and testing location(s):
	Testing Laboratory:		Shenzhen AOCE Electro	onic Technology Service Co., Ltd
Test	ing location/ address	:		o.12th Building of Xinhe Tongfuyu reet, Baoan District, Shenzhen,
Test	ed by (name, function, signature).	·····:	ZhiCong Xian Technical Engineer	ZhiCong Xian Robin. Live
Аррі	roved by (name, function, signatu	re):	Robin Liu Technical Manager	Robin. Lin
	Testing procedure: CTF Stage 1:		N/A	
Test	ing location/ address			
Test	ed by (name, function, signature).	:		
Аррі	oved by (name, function, signatu	re):		
Ш	Testing procedure: CTF Stage 2:		N/A	
Test	ing location/ address	:		
Test	ed by (name + signature)	:		
Witn	essed by (name, function, signatu	ıre):		
Аррі	oved by (name, function, signatu	re):		
	Testing procedure: CTF Stage 3:		N/A	
	Testing procedure: CTF Stage 4:		N/A	
Test	ing location/ address			
	ed by (name, function, signature).			
Witn	essed by (name, function, signatu	ure):		
Approved by (name, function, signature):				
Supe	ervised by (name, function, signat	ture) :		

List of Attachments (including a total number of pages in each attachment): Attachment No.1: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Attachment No.2: Photo document.			
Summary of testing:			
Tests performed (name of test and test clause):	Testing location:		
- EN 62560:2012+A11:2019+A1:2015	Shenzhen AOCE Electronic Technology Service Co.,		
	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China		
Summary of compliance with National Differences (List of countries addressed):			
None			

Copy of marking plate:



Remark:

- 1. The marking plate of others models are identical with models SL-GU10-CDP1H9, except with different model number, and rated power.
- 2. The above mark is the minimum requirements required by the safety standard. For the final production, the additional marks which do not give rise to misunderstanding may be added.
- 3. The height of graphical symbols shall not be less than 5 mm
- 4. The height of letters shall not be less than 2 mm.

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Test item particulars::			
Classification of installation and use:	Direct insert into lampholder		
Supply Connection:	Lamp cap		
:			
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:	2025-06-17		
Date (s) of performance of tests:	2025-06-17 to 2025-07-04		
General remarks:			
The tested sample(s) and the sample information are p	rovided by the client.		
"(See Enclosure #)" refers to additional information ap	pended to the report.		
"(See appended table)" refers to a table appended to the	e report.		
Note: National Conditions, if any, are in the Append	ix to the main body of this TRF.		
Throughout this report a \square comma / \boxtimes point is us	sed as the decimal separator.		
The test report only allows to be revised only within the report defined retention period unless standard or regulation was withdrawn or invalid.			
When determining for test conclusion, measurement uncertainty of tests has been considered.			
Note: clauses marked '*' not included in CNAS scope.			
Manufactura da Daglantian nangula daga 40.5 ef	IFOFF 00.		
Manufacturer's Declaration per sub-clause 4.2.5 of			
The application for obtaining a CB Test Certificate	Yes		
includes more than one factory location and a declaration from the Manufacturer stating that the	Not applicable ■		
sample(s) submitted for evaluation is (are)			
representative of the products from each factory has			
been provided			
When differences exist; they shall be identified in the	ne General product information section.		
Name and address of factory (ies):	Same as manufacturer		

General product information and other remarks:

All models have the same mechanical and electrical construction, only the power is different.

Model List	
Model name	Power
SL-GU10-CDP3V4	4W
SL-GU10-CDP4V5	5W
SL-GU10-CDP6V6	6W
SL-GU10-CDP6V7	7W
SL-GU10-CDP1V5	5W
SL-GU10-CDP1V6	6W
SL-GU10-CDP1V7	7W
SL-GU10-CDP1V9	9W
SL-GU10-CDP4G5	5W
SL-GU10-CDP6G6	6W
SL-GU10-CDP6G7	7W
SL-GU10-CDP8G9	9W
SL-GU10-CDP1H5	5W
SL-GU10-CDP1H6	6W
SL-GU10-CDP1H7	7W
SL-GU10-CDP1H9	9W

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	IEC 62560		
Clause	Requirement + Test	Result - Remark	Verdict

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

5	MARKING		Р
5.1	Mandatory marking		Р
	- mark of origin		Р
	- rated supply voltage (V)	220-240 V	Р
	- rated wattage (W)	9 W	Р
	- rated frequency (Hz)	50/60 Hz	Р
5.2	Addition marking		Р
	- rated current (A)		N/A
	- weight significantly higher		N/A
	- special conditions or restrictions		N/A
	Not suitable for dimming; symbol used		Р
	- not suitable for water contact		Р
5.3	Marking durable and legible		Р
	rubbing 15 s water, 15 s petroleum; marking legible		Р

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

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

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IEC 62560				
Clause	use Requirement + Test Result - Remark		Verdict	
	Tested with a test finger with a force of 10 N		Р	
	Compliance checked with appropriate gauges		Р	
8	INSULATION RESISTANCE AND ELECTRIC STRENGTH		Р	
8.2	After storage 48 h at 91-95% relative humidity and 20-30 °C measuring of insulation resistance with d.c. 500 V (M Ω):		Р	
	\geq 4 M Ω for double or reinforced insulation		Р	
8.3	Immediately after clause 8.2 electric strength test for 1 min		Р	
	Double or reinforced insulation, 4U + 2000 V	2960 V	Р	
	No flashover or breakdown		Р	

9	MECHANICAL STRENGTH	Р
9.2.1	Torsion resistance of unused lamps	N/A
	B15d or E14 Cap 1,15 Nm	N/A
	B22d, E26, E26d or E27 Cap3,0 Nm	N/A
	E11 or E12 Cap	N/A
	E17 Cap1,5 Nm	N/A
	E39 or E40 Cap5,0 Nm	N/A
	GX53 Cap3,0 Nm	N/A
9.3	Compliance criteria	Р
	Clause 8 shall comply after the mechanical strength test.	Р
9.4	Axial strength of Edison caps	Р
	After full insertion into the gauge an axial force of Table 4 is applied to the central contact (N)	Р
	The insulation around the central contact shall remain intact	Р

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

- 1	11	RESISTANCE TO HEAT	Р	
		REGIOTANOE TO TIEAT	•	

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

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

13	FAULT CONDITIONS		Р
13.2	Fault conditions: where diagram indicates fault condition impairs safety, electronic components have been short-circuited or disconnected	(see appended table)	Р
13.3	When operated under fault conditions the lamp		Р
	- does not emit flames or molten material		Р
	- does not produce flammable gases or smoke		Р
	- live parts not accessible		Р
	After the tests the insulation resistance with d.c. 1000 V complies with requirements of Cl. 8.1		Р
14 (16)	CREEPAGE DISTANCES AND CLEARANCES		Р
	Creepage distances and clearances according to IEC 61347-1	(see appended table)	Р
	Conductive accessible parts according to IEC 60598-1	(see appended table)	Р

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

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

17	PHOTOBIOLOGICAL SAFETY			Р
17.1	UV radiation			Р
	The LED lamp doesn't exceed 2mW/klm			
17.2	7.2 Blue light hazard		F	P
	Assessed according to IEC TR 62778			
	LED lamps shall be RG0 or RG1 RG0			

18	INGRESS PROTECTION		
18.1	Lamps shall be suitable for water contact unless marked with Figure 6	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 Pre	ssure Test of Therm	oplastics		N/A
Allowed impression diameter (mm):		2		_	
Object/ Par	t No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diame	ter (mm)
Lamp cover	r	See ANNEX 1	80	1.0	
Plastic encl	losure	See ANNEX 1	80	1.4	
Inductor bo	bbin	See ANNEX 1	125	0.6	
Supplemen	tary information:	•		,	

12	TABLE: Resis	tance to heat and fire - Glow v	to heat and fire - Glow wire tests			
O	bject/			Glow wire test (GWT); (°C)		
-	rt No./	Manufacturer/ trademark	(650		
Ma	aterial	uauemark	te	ti	-	
Lamp cover		See ANNEX 1	0	0	Р	
Plastic encl	osure	See ANNEX 1	0	0	Р	

13	TABLE: tests of fault conditions		
Part	art Simulated fault Result		Hazard
BD1	Short-circuit	Fusible resistor (F1) was opened	NO
C1	Short-circuit	Fusible resistor (F1) was opened	NO
C4	Short-circuit	LED packages no working	NO
D1	Short-circuit	LED packages no working	NO

14	TABLE: Clearance And Creepage Distance Measurements						Р
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 L a	and N	-	240	1.5	>1.5	2.5	>2.5
Between live accessible s		-	240	3.0	>3.0	5	>5.0

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IEC 62560					
Clause Requirement + Test Result - Remark Verd					
Supplementary information:					

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IEC 62560					
Clause	Requirement + Test		Result - Remark		Verdict

ANNEX 1 T	ABLE:	Critical componer	nts information			Р
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
LED package	С	JIANGMEN ZHONGYANG OPTOELECTRO NICS CO., LTD	3030	6 V, 150mA	IEC 62560	Tested with appliance
СОВ	С	JIANGMEN ZHONGYANG OPTOELECTRO NICS CO., LTD	3030	36 V, 200mA	IEC 62560	Tested with appliance
LED module PCB	С	JIANGMEN ZHONGHAO PRECISION ELECTRONICS CO LTD	ZH-M	130 °C, V-0	IEC 62560	UL E364454 tested with appliance
Fusible resistor (F1)	С	SHENZHEN LONG JIAN DA CO., LTD.	-	2.2 R, 1/2 W	IEC 62560	Tested with appliance
Alt.	С	QIAN ZHI(SHENZHEN) CO., LTD.	-	2.2 R, 1/2 W	IEC 62560	Tested with appliance
Alt.	С	ANHUI CHANG SHENGELECTR ONICS CO., LTD.	-	2.2 R, 1/2 W	IEC 62560	Tested with appliance
Internal wire	С	BO SUNG SILICONE CO	3135	600 V, 22 AWG, 200 °C	IEC 62560	UL E131290 tested with appliance
PCB	С	DALIAN ASIA PACIFIC ELECTRONICS CO LTD	JX-02	V-0, 130 °C	IEC 62560	UL E246715 tested with appliance
Heat shrinkable tube	С	Shezhen Woer Heat-Shrinkable Material Co Ltd	RSFR-H	600 V, 125 °C, VW-1, min 0.3 mm thickness	IEC 62560	UL E203950 tested with appliance
Plastic enclosure	С	Zhongshan Fantas Lighting Co., Ltd	Fantas-1	V-0, 130 °C	IEC 60560	Tested with appliance
Lamp cover	С	LOTTE ADVANCED MATERIALS CO LTD	SC-110(+)	PC	IEC 60560	UL E115797 tested with appliance

	IEC 62560				
Clause	Requirement + Test		Result - Remark	Verdict	

Inductor (T1)	В	Zhongshan Fantas Lighting Co., Ltd	EE10-016A	130 °C	IEC 60560	Tested with appliance
-Bobbin	С	SUMITOMO BAKELITE CO LTD	PM-9820	V-0, 150 °C	IEC 62560	UL E41429 tested with appliance

Supplementary information:

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

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

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IEC 62560				
	Clause	Requirement + Test	Result - Remark	Verdict

ANNEX 2:	temperature measureme	nts, thermal tests of Sect	ion 10		Р
	Type referencet	SL-GU10-CDP1H9		_	
	Used ballast	······································	/		
	Mounting position of lumina	aire:	Cap Up and Cap d	own	
	Supply wattage (W)	9 W			
	Supply current (A)	:			
	Calculated power factor	:			
	Table: measured temperat	D:		_	
	Test: rated voltage	240V		_	
Tomanovotiva	. (0C) of nort	Test value	F	Result	
remperatur	e (°C) of part	Normal (°C)	Abnormal(°C)	Limit(°C)
internal wire		81.4	-	200)
	E-cap.	76.8	-	180)
	U2	90.3	-	130)

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Attachment No.1

IEC 62560C - ATTACHMENT

Clause	Requirement + Test	Result - Remark	Verdict
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ATTACHMENT TO TEST REPORT IEC 62031 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

LED modules for general lighting – Safety specifications

Differences according to EN 62560:2012+A11:2019

Attachment Form No..... EU_GD_IEC62560C

Attachment Originator...... DEKRA Certification B.V.

Master Attachment...... Dated 2018-12-21

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CENEI	LEC COMMON MODIFICATIONS (EN)	N/A
No Cor	mmon modifications	N/A

ZB ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)		EN)	N/A
	No special National conditions		N/A

ZC	C ANNEX ZC, NATIONAL DEVIATIONS (EN)		N/A
	No National deviations		N/A

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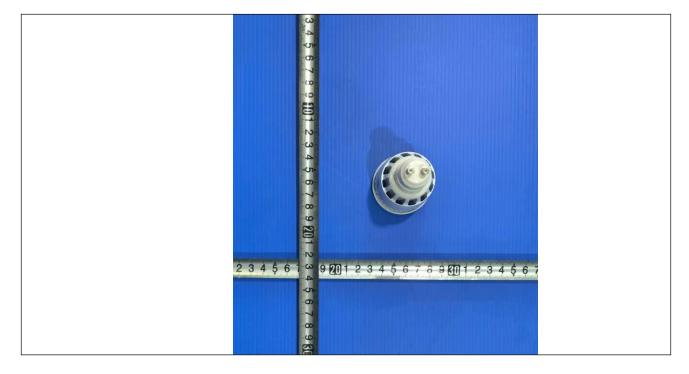
Attachment No.2

Product Photos

Details of: Fig. 1



Details of: Fig. 2

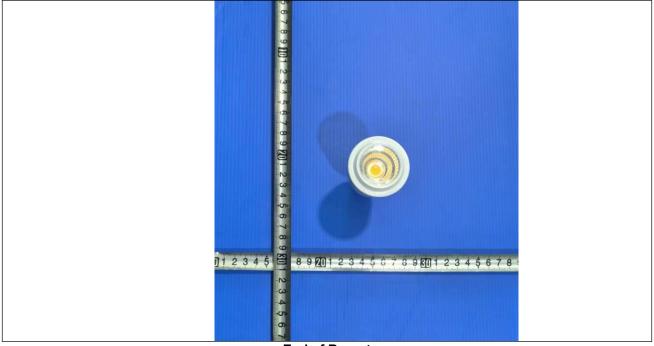


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Attachment No.2

Product Photos

Details of: Fig. 3



-- End of Report --

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