Test Report issued under the responsibility of:

TEST REPORT
IEC 62776
Double-capped LED lamps designed to retrofit linear fluorescent lamps – Safety specifications

Report Number. ..... :	ETA25070022S-001
Date of issue..... :	July 22, 2025
Total number of pages ..... :	24 pages
Name of Testing Laboratory preparing the Report ..... :	Hangzhou ETA Testing Technology Co., Ltd. 8/F., Building A, The Western Science Park, Yuhang District, Hangzhou, Zhejiang, China
Applicant's name..... :	Hangzhou Longlux Electronic Technology Co., Ltd.
Address..... :	The Western Science Park, Hangzhou City, China
Test specification:	
Standard ..... :	IEC 62776:2014
Test procedure ..... :	CE-LVD
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC62776B
Test Report Form(s) Originator.... :	VDE Testing and Certification Institute
Master TRF..... :	2018-08-16

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Test item description.....:	LED Tube
Trade Mark.....:	Longlux
Manufacturer .....:	Same as applicant above
Model/Type reference.....:	More details see model list
Ratings.....:	100-240V~; 50/60Hz; T8 tube with G13 cap More details see model list

Model list:

Type	Voltage Frequency	Rated power	Cap	Length
LLX-2FT-8W	100-240V~; 50/60Hz	8W	G13	60cm
LLX-2FT-9W	100-240V~; 50/60Hz	9W	G13	60cm
LLX-2FT-10W	100-240V~; 50/60Hz	10W	G13	60cm
LLX-4FT-14W	100-240V~; 50/60Hz	14W	G13	120cm
LLX-4FT-16W	100-240V~; 50/60Hz	16W	G13	120cm
LLX-4FT-18W	100-240V~; 50/60Hz	18W	G13	120cm
LLX-4FT-20W	100-240V~; 50/60Hz	20W	G13	120cm
LLX-4FT-22W	100-240V~; 50/60Hz	22W	G13	120cm
LLX-5FT-18W	100-240V~; 50/60Hz	18W	G13	150cm
LLX-5FT-20W	100-240V~; 50/60Hz	20W	G13	150cm
LLX-5FT-22W	100-240V~; 50/60Hz	22W	G13	150cm
LLX-8FT-36W	100-240V~; 50/60Hz	36W	G13	240cm
LLX-8FT-38W	100-240V~; 50/60Hz	38W	G13	240cm
LLX-8FT-40W	100-240V~; 50/60Hz	40W	G13	240cm

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☒	**Testing Laboratory:**	Hangzhou ETA Testing Technology Co., Ltd.	
Testing location/ address.....:		8/F., Building A, The Western Science Park, Yuhang District, Hangzhou, Zhejiang, China	
Tested by (name, function, signature).....:		Danny Zhou (Certification Engineer)	
Approved by (name, function, signature)...:		Sean Wan (Reviewer)	
☐	**Testing procedure: CTF Stage 1:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 2:**		
Testing location/ address.....:			
Tested by (name + signature) .....:			
Witnessed by (name, function, signature)..:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 3:**		
☐	**Testing procedure: CTF Stage 4:**		
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):

-Page 1 to 21: test report

-Page 22 to 24: Photos

Summary of testing:

Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.

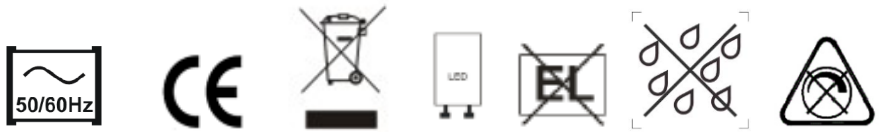
A representative sample of the product covered by this report has been tested and complies with the applicable requirements of this standard.

Tests performed (name of test and test clause):	**Testing location:**
Full	Same as previous pages.

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

CENELEC Common Modifications (EN) and Special National Conditions (EN) are verified.

Copy of marking plate:



LLX-2FT-8W
100-240V~, 50/60Hz, 8W, Double-G13, Ta: -20ºC ~60 ºC

Longlux

The height of letters and numerals shall not be less than 2mm.
The height of graphical symbols shall not be less than 5 mm.
The height of symbol of WEEE shall not be less than 7 mm.

The labels of other types are similar with the above, just the different model name, cap and rated wattage.

The entity (in EU) who put the product on the market must have their name and address on the product

Test item particulars .....:	LED Tube
Classification of installation and use.....:	Indoor use
Supply Connection .....:	Double G13
.....:	
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.....:	July 11, 2025
Date (s) of performance of tests .....:	July 11, 2025 – July 22, 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.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

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).....:	Hangzhou Longlux Electronic Technology Co.,Ltd The Western Science Park, Hangzhou City, China

General product information:

The products covered by this report are T8 LED tube with G13 cap for indoor use.

These products are designed for replacing same cap and size LED lamps. Powered by magnetic ballast without requiring any modification of internal wiring, not suitable for HF electronic ballast and not for emergency operation.

These LED tube have two caps, only one cap is input side, another is blind which has no electrical connection to internal current-carry parts before inserted to the lampholder.

The LED lamp starter was employed by this product as replacement of starter of fluorescent lamp.

Dimming not allowed for this product.

All the models have the same electrical and mechanical construction, the difference between them are size

and parameter if electronic components in order to achieve different power.

All tests were performed on model LLX-8FT-40W, which was considered representative for the series and gave the most unfavourable test results.

According clause 4.2.2 of EN 62493:2015+A1:2022, lighting equipment deemed to comply with the requirements of EN EN 62493:2015+A1:2022 without testing.

IEC 62776			
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 or surroundings		P
4.2	Double-capped LED lamps shall be specially prepared for fault condition. Opened lamps to verify conformity with clause 11, 12 and 14 of this standard.		P
4.3	All tests are carried out on each type or each power or representative selection of lamps.		P
4.4	When the lamp fails safely during one of the tests, it is replaced if no fire, smoke or flammable gas is produced.		P
4.5	Internal wiring shall be carried out as in Clause 5.3 of IEC 60598-1.		P
4.6	For construction of electrical circuit, cl.15.1, 15.2 of IEC 61347-1. For other parts, cl.4.11, 4.12, 4.25 of IEC 60598-1 shall be regarded.		P
5	**MARKING**		
5.1	Marking on the lamp		
a)	– mark of origin		P
b)	– rated supply voltage (V).....:	100-240V~	P
c)	– rated power (W) .....:	Refer to model list	P
d)	– rated frequency (Hz).....:	50/60Hz	P
e)	– marked with symbol fig. 1.		N/A
	– marked with symbol fig 2.		P
f)	– symbol acc. to Fig.3 and “This lamp is not suitable to be used in emergency luminaires…”		P
g)	– replaced starter, tube marking “type ref”, starter marking “LED”, Fig.4		P
h)	– information on the ingress of dust and water marked with Fig. 5		P
i)	– rated ambient temperature range of the lamp.		P
5.2	Marking on the lamp, on the immediate lamp wrapping or in the instructions		
	– explanation of Fig. 1 and Fig. 2 shall be given in instruction manual		P
a)	– rated current (A) .....:		P
b)	– special conditions or restrictions; not suitable for dimming, symbol fig.6		P

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
5.3	Instruction manual		
5.3.1	General		
	– instruction, describing all necessary steps for replacement LED lamp, replacement of starter.		P
	– required instructions shall be given either on the lamp,		N/A
	– on the product packaging		N/A
	– or in the manufacturer´s instructions provided with the lamp		P
	– explanation of the symbols in the instruction manual		N/A
5.3.2	Declaration of the product		
(1)	– list of all supplied parts		P
(2)	– declaration of the replaced fluorescent lamps		P
(3)	– Warning that no modification of the luminaire is to be made.		P
(4)	– The ambient temperature range shall be declared.		P
	– if higher than -20°C or lower than +60°C, additional information necessary		N/A
	– sentence “The lamp may not be suitable for use in all application …”		N/A
(5)	– Declare: “This lamp is designed for general lighting service (excluding explosive atmospheres)”		P
5.3.3	Graphical instruction		
	– Graphical instruction, Fig.7 or description		P
5.3.4	Mounting		
	– Described steps instead of graphical instruction 5.3.3		P
5.4	Compliance		
	rubbing 15 s water, 15 s petroleum; marking legible		P
6	**INTERCHANGEABILITY**		
6.1	Interchangeability of the cap		
	Cap interchangeability in accordance with IEC 60061-1	See appended table 2	
	Gauge in accordance with IEC 60061-3, G5/G13		P
	LED replacement starter in accordance with the dimensions, electrical, mechanical and thermal		P

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	tests required in Section 1 of IEC 60155		
6.2	Mass		
	G5-capped lamp: limit 200g G13-capped lamp: limit 500g		P
6.3	Dimensions		
6.3.1	The length of the lamp shall not change significantly within specified ambient temperature range of the lamp.	See appended table 3	
6.3.2	Double-capped LED lamps for use in FL luminaires shall comply with the dimensions and tolerances of the corresponding lamps as defined in IEC 60081 at 25 °C.	See appended table 3	P
6.3.3	Variation of dimension A due self-heating at 25° C.	See appended table 4	
6.3.4	Dimensions of corresponding lamps of IEC 60081. min ambient temp.(e.g. -20 °C)	See appended table 4	
6.3.5	Dimensions of corresponding lamps of IEC 60081. max ambient temp. (e.g. +60 °C)	See appended table 4	
6.3.6	Compliance		
	Dimensions A1, B1 of corresponding lamps of IEC 60081.	See appended table 5	P
6.4	Temperature		
6.4.1	Temperature requirement		
	LED temperature shall not be higher than 75 °C on any location of the lamp.	Ambient: 25°C LLX-8FT-40W: max. 55°C	P
6.4.2	Power requirement		
	Power consumed of LED lamp shall not higher than replaced FL lamp (described in 60081)		P
6.4.3	Compliance		
	Compliance; ta 25 °C, horizontally, rated supply voltage. Max surface temp. shall not exceed 6.4.1 and 6.4.2.		P
6.5	Safety of the lamp in case a wrong starter-lamp combination is used		
	– FL starter with LED lamp		P
	– LED starter with FL lamp		P
	– Starter compliance for all possible combinations in case of two fluorescent lamps in series.		N/A
	– For LED replacement which replace shorted starter: combination “replaced starter for LED lamp and FL lamp” test not required.		P

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	Rated voltage is taken as maximum voltage range.		P
13.2	Testing under extreme electrical conditions		
	Lamp withstands overpower condition (150 % of the rated power) >15 min.		P
	A lamp fails safe after 15 min overpower condition		N/A
	Lamp with automatic protective device or power limiter, test performed 15 min. at limit.		P
13.3	Short-circuit across capacitors		
	Only one component at a time allowed	see appended table 7	
13.4	Fault conditions across electronic components		
	Fault conditions: where diagram indicates fault condition impairs safety, electronic components have been short-circuited or disconnected.	see appended table 7	
	Only one component at the time subjected.		P
13.5	Compliance		
	During the tests 13.2 to 13.5 the lamp shall not:		P
	– catch fire		P
	– does not produce flammable gases or smoke		P
	– live parts not accessible		P
	After the tests the insulation resistance with d.c. 500 V complies with requirements of Cl. 8.3:		P
	To avoid any overheating during fault conditions, the impedance of the lamp shall be checked.		P
	Overload due to rectifications of supply current shall be prevent. The difference of pos. and neg. semi waveform <30% of max. value.		N/A
- (14.1)	Short-circuit of creepage distances and clearances if less than specified in clause 16 in Part 1 (except between live parts and accessible metal parts)	see appended table 7	
	Creepage distances on printed boards less than specified in clause 16 in Part 1 provided with coating according to IEC 60664-3		N/A
- (14.3)	Short-circuit across insulation consisting of lacquer, enamel or textile	see appended table 7	
13.7	Safety of the lamp with different types of controlgear		
	LED lamp operate safely with any type of controlgear as following		P
	– with magnetic ballast		P
	– with HF ballast (fic. A.5, IEC 60081)		N/A
	LED lamp tested at max. rated voltage with max.		P

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	rated power.		
7	**PIN-SAFETY DURING INSERTION**		
	G5 and G13 lamps shall not be any electrical continuity between two ends of lamp.		P
	Basic insulation during lamp insertion (IEC 60598-1 clause 8)		P
	Deactivation of the protection against electric shock is not permissible		P
	Electric strength test conducted with 1500 V (2 U + 1000 V) between both ends of the lamp		P
	Insulation resistance measured with about 500 V d.c. the minimum resistance shall be 2 MΩ		P
	Clearance (according to IEC 61347-1) shall be applied based on 250V working voltage		P
	Creepage distances shall not be less than the required minimum clearance.		P
	Touch current shall not exceed 0,7mA peak at a test voltage of 500 V r.m.s. (50 Hz or 60Hz) acc. to Fig. 8		P
8	**PROTECTION AGAINST ACCIDENTAL CONTACT WITH LIVE PARTS**		
8.1	General		
	Adequate insulation resistance and electrical strength between live and accessible parts. For caps requirements of IEC 61195 clauses 2.4 and 2.5		P
8.2	Test to establish whether a conductive part may cause an electric shock during operation		
	Lamp construction without any additional luminaire enclosure. Following parts are not accessible when lamp is installed:		
	– internal metal parts		P
	– basic insulated external metal parts, other than caps		N/A
	– live metal parts of the lamp cap		P
	– live metal parts of the lamp itself		N/A
	Tested with a test finger with a force of 10 N		P
	External metal parts other than current-carrying parts of the cap shall not be live.		P
8.3	Insulation resistance		
	After storage 48 h at 91-95% relative humidity and 20-30 °C measuring of insulation resistance with		

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	d.c. 500 V (MΩ):		
	≥ 4 MΩ for double or reinforced insulation .....:	199MΩ	N/A
8.4	Electric strength		
	Immediately after clause 8.3 electric strength test for 1 min		
	Basic insulation; pcb-board, SELV-circuits: 500 V		P
	Double or reinforced insulation, 4U + 2000 V	2960V	P
	No flashover or breakdown		P
9	**MECHANICAL REQUIREMENTS FOR CAPS**		
9.1	Construction and assembly		
	Caps shall be constructed and assembled to the bulb that they remain attached during and after operation as following		P
9.2	Torque test on unused lamps		
	Compliance is checked by applying a torque test to the pins. The lamp cap shall remain firmly attached to the bulb. Angular displacement < 6°.		P
	Lamps with adjustable caps. Rotated to both extreme positions		N/A
9.3	Torque test after heat treatment		
	Fixing the cap by crimp, screw or similar connection, lamps are exempt from this clause		N/A
	Heat treatment for 2000h at 80°C		P
	Heat treatment for 100h at 80°C for other kind of fixing		N/A
	Lamps with adjustable caps. Rotated to its extreme positions (both)		N/A
9.4	Repetition of Clause 8.2		
	Clause 8.2 shall comply after the mechanical strength test.		P
10	**CAP TEMPERATURE RISE**		
	Lamp cap temperature shall not exceed 120 °C.	Ambient: 25°C LLX-8FT-40W: max. 60°C	P
11	**RESISTANCE TO HEAT**		
	Parts of insulating material retaining live parts in position and other parts, enclosure of starter, ball-pressure test:		
	– part; test temperature (°C) .....:	See appended table 6	P
12	**RESISTANCE TO FLAME AND IGNITION**		

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	External parts of insulating material preventing electric shock, enclosure of starter, glow-wire test 650 °C		
	– flame extinguished within 30 s		P
	– no flaming drops igniting tissue paper		P
13	**FAULT CONDITIONS**		
13.1	General		
	Lamps shall not impair safety		P
13.2	Testing under extreme electrical conditions		
	Lamp withstands overpower condition (150 % of the rated power) >15 min.		P
	A lamp fails safe after 15 min overpower condition		P
	Lamp with automatic protective device or power limiter, test performed 15 min. at limit.		N/A
13.3	Short-circuit across capacitors		
	Only one component at a time allowed	see appended table 7	
13.4	Fault conditions across electronic components		
	Fault conditions: where diagram indicates fault condition impairs safety, electronic components have been short-circuited or disconnected.	see appended table 7	P
	Only one component at the time subjected.		P
13.5	Compliance		
	During the tests 13.2 to 13.5 the lamp shall not:		P
	– catch fire		P
	– does not produce flammable gases or smoke		P
	– live parts not accessible		P
	After the tests the insulation resistance with d.c. 500 V complies with requirements of Cl. 8.3:		P
	To avoid any overheating during fault conditions, the impedance of the lamp shall be checked.		P
	Overload due to rectifications of supply current shall be prevent. The difference of pos. and neg. semi waveform <30% of max. value.		P
13.6	Further requirements		
	In add. to fault conditions 13.2to 13.5, fault conditions Cl.14.1 of IEC 61347-1 and 14.3 and the additional tests in 13.7 are carried out.		P
- (14.1)	Short-circuit of creepage distances and clearances if less than specified in clause 16 in Part 1 (except between live parts and accessible metal parts)	see appended table 7	

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	Creepage distances on printed boards less than specified in clause 16 in Part 1 provided with coating according to IEC 60664-3		N/A
- (14.3)	Short-circuit across insulation consisting of lacquer, enamel or textile	see appended table 7	
13.7	Safety of the lamp with different types of controlgear		
	LED lamp operate safely with any type of controlgear as following		P
	– with magnetic ballast		P
	– with HF ballast (fic. A.5, IEC 60081)		N/A
	LED lamp tested at max. rated voltage with max. rated power.		P
13.8	Compliance for test with different type of controlgears		
	During tests of 13.7 shall not catch fire, produce flammable gases or smoke, live parts shall not become accessible.		P
	Low impedance: max. 0,51 A when 3,6 V applied to the pins of a cap.		P
13.9	Safety of the lamp in case the luminaire controlgear short circuits		
	Ballast and starter are short-circuited in the luminaire.		P
14	**CREEPAGE DISTANCES AND CLEARANCES**		
	Creepage distances and clearances according to IEC 61347-1 with add. requirements.	see appended table 8	
	Creepage distance between contact pins or metal shell of the cap according to IEC 60061-4		P
	For other parts creepage distances and clearances IEC 61347-1; accessible conductive parts IEC 60598-1, double or reinforced insulation.		P
15	**LAMP WITH PROTECTION AGAINST DUST AND MOISTURE**		
15.1	Aim of the test		
	Where the lamp is not marked acc. to Fig.5 tests 15.2 and 15.3 have to be conducted.		N/A
15.2	Thermal endurance		
	- mounting-position:		
	- test temperature (°C):		
	- total duration (h):		
	- supply voltage:		
	Lamp shall not have become unsafe		N/A
	Marking legible		N/A

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
15.3	IP testing		
- (9.2)	Tests for ingress of dust, solid objects and moisture:		
	- classification according to IP:	IP	
	- mounting position during test:		
	- fixing screws tightened; torque (Nm):		
	- tests according to clauses:		
	- electric strength test afterwards		N/A
	a) no deposit in dust-proof lamp		N/A
	b) no talcum in dust-tight lamp		N/A
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		N/A
	d) i) For lamps without drain holes – no water entry		N/A
	d) ii) For lamps with drain holes – no hazardous water entry		N/A
	e) no water in watertight lamps		N/A
	h) no damage of protective shield or glass envelope		N/A
16	**PHOTOBIOLOGICAL HAZARD**		
16.1	UV radiation		
	UV radiation of LED lamp shall not exceed 2 mW/klm		N/A
16.2	Blue light hazard		
	Blue light hazard acc. IEC/TR 62778. LED lamps shall be classified as RG0 or RG1 unlimited.	RG0	P
16.3	Infrared radiation		
	LED lamps do not require measurement		N/A

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE 1	**: Critical components information**				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1)
Cap	Zhejiang Chenfeng Technology corp., Ltd	-	G13, Aluminum alloy nickel plated	EN 62776	Test with appliance
Enclosure of lamp cap	LOTTE CHEMICAL CORPORATION	PC-1100(+)	PC	EN 62776	Tested with appliance
Internal wire	TONGXIANG CITY LI'AO CABLE CO LTD	3239	24AWG (UL/E479070)	EN 62776	Test with appliance
PCB	GOLDENMAX INTERNATIONAL TECHNOLOGY (HANGZHOU) LTD	ILM-R1##	V-0; 130ºC (UL/E134893)	EN 62776	Test with appliance
LED PCB	HONGKONG WODE WEALTH CO. LTD	WD-F1	V-0; 90ºC (UL/E498836)	EN 62776	Test with appliance
LED	Zhongshan Mulinsen Co., Ltd.	2835	IF = 60mA	IEC/TR 62778	Test with appliance
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE 2:	Dimensions according to Cap sheet in IEC 60061-1; 7004-51 (G13) (mm)						P
Object / part No.	A	D	E	F	G	H	N
Cap LLX-8FT-40W	23,48	12,7	2,39	7,45	P	P	8,93
Cap LLX-5FT-22W	23,50	12,7	2,32	7,32	P	P	8,99
Cap LLX-4FT-22W	23,65	12,7	2,34	7,37	P	P	9,10
Cap LLX-2FT-10W	23,52	12,7	2,31	7,34	P	P	9,05
Limit T8 lamp:	max. 25,78	12,7	2,29-2,67	6,6-7,62			min. 8,71

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE 3	Dimensions of the corresponding lamps of IEC 60081 25 °C (cm)				P
Object / part No.	A	B		C	D
	max	min	max	max	max
LLX-8FT-40W	236,5	238,5	--	238,3	32,51
LLX-5FT-22W	149,7	150,6	--	151,4	28,02
LLX-4FT-22W	119,8	120,7	--	121,2	27,98
LLX-2FT-10W	58,9	59,65	--	60,4	27,86

TABLE 4	Variation of dimension A and B (cm)		
Object / part No.	A (in operation)	A: 60°C	B: -20°C
	max		min
LLX-8FT-40W	236,2	237,1	237,3
LLX-5FT-22W	149,8	149,7	150,5
LLX-4FT-22W	119,8	119,9	150,4
LLX-2FT-10W	58,9	59,66	59,62

TABLE 5	Compliance acc. to clause 6.3.6 (cm) A1 = Atmax + ΔA – A25°C (tmax – 25 °C) 11,7*10-6 B1 = Btmax – A25°C (tmin – 25 °C) 11,7*10-6	P

Object / part No.	A1	B1
LLX-8FT-40W	236,41	237,13
LLX-5FT-22W	149,93	150,56
LLX-4FT-22W	119,55	120,56
LLX-2FT-10W	58,95	59,65

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE 6	Ball Pressure Test of Thermoplastics		P
Allowed impression diameter (mm) ..... :	2mm		—
Part	Test temperature (°C)	Impression diameter (mm)	
Cap enclosure	125	0,9mm	
PCB	125	1,0mm	
Bobbin	125	1,1mm	
Supplementary information:			

TABLE 7	Tests of fault conditions		
Part	Simulated fault	Result	Hazard
BD1	S.C.	Fuse broken	YES/NO
D1	S.C.	Not work	YES/NO
C1	S.C.	Not work	YES/NO
C2	S.C.	Not work	YES/NO
C3	S.C.	Not work	YES/NO
C4	S.C.	Not work	YES/NO
U1	S.C.	Not work	YES/NO

TABLE 8	Clearance And Creep age Distance Measurements					
clearance cl and creep age distance decry at/of:	Up (V)	U rams. (V)	required cr (mm)	Measured cr (mm)	required cl (mm)	measured cl (mm)
Between different polarity		240V	2,5	2,6	1,5	2,6
Current-carrying parts and accessible parts		240V	5	5,5	3	5,5
Supplementary information:						

IEC 62776			
Clause	Requirement + Test	Result - Remark	Verdict
	EMF		
	EMF; The tested product complies to the requirements of EN 62493		P
L	**ANNEX L: PARTICULAR ADDITIONAL REQUIREMENTS FOR integrated HF-TRANSFORMERS PROVIDING SELV (IEC 61347-1)**		N/A
L.3	Classification		
	non-inherently short circuit proof controlgear	Yes ☐ No ☐	—
	inherently short circuit proof controlgear	Yes ☐ No ☐	—
	fail safe controlgear	Yes ☐ No ☐	—
	non-short-circuit proof controlgear	Yes ☐ No ☐	—
L.6	Heating		
	No excessive temperatures in normal use		N/A
	Value if capacitor tc marked .....:		—
	Winding insulation classified as Class .....:		—
	Comply with tests of clause 14 of IEC 61558-1 with adjustments		N/A
L.9	Construction		
L.9.1	Transformer comply with 19.12 of IEC 61558-1 and 19 of IEC 61558-2-6		N/A
	HF transformer comply with 19 of IEC 61558-2-16		N/A
L.10	Components		
	Protective devices comply with 20.6 – 20.11 of IEC 61558-1		N/A
L.11	Creepage distances and clearances		
	1. Insulation between input and output circuits, basic insulation:		
	a) measured values > specified values (mm) .....:		N/A
	b) measured values > specified values (mm) .....:		N/A
	c) measured values > specified values (mm) .....:		N/A
	2. Insulation between input and output circuits, double or reinforced insulation:		
	a) measured values > specified values (mm) .....:		N/A
	b) measured values > specified values (mm) .....:		N/A
	c) measured values > specified values (mm) .....:		N/A
	3. Insulation between adjacent input circuits		
	- measured values > specified values (mm) .....:		N/A
	3. Insulation between adjacent output circuits		

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Clause	Requirement + Test	Result - Remark	Verdict
	- measured values > specified values (mm) .....:		N/A
	4. Insulation between terminals for external connection:		
	- measured values > specified values (mm) .....:		N/A
	5. Basic or supplementary insulation:		
	a) measured values > specified values (mm) .....:		N/A
	b) measured values > specified values (mm) .....:		N/A
	c) measured values > specified values (mm) .....:		N/A
	d) measured values > specified values (mm) .....:		N/A
	e) measured values > specified values (mm) .....:		N/A
	6. Reinforced insulation or insulation:		
	Between body and output circuit: measured values > specified values (mm) .....:		N/A
	Between body and output circuit if provision against transient voltages: measured values > specified values (mm) .....:		N/A
	7. Distance through insulation:		
	a) measured values > specified values (mm) .....:		N/A
	b) measured values > specified values (mm) .....:		N/A
	c) measured values > specified values (mm) .....:		N/A

Remarks

Overview

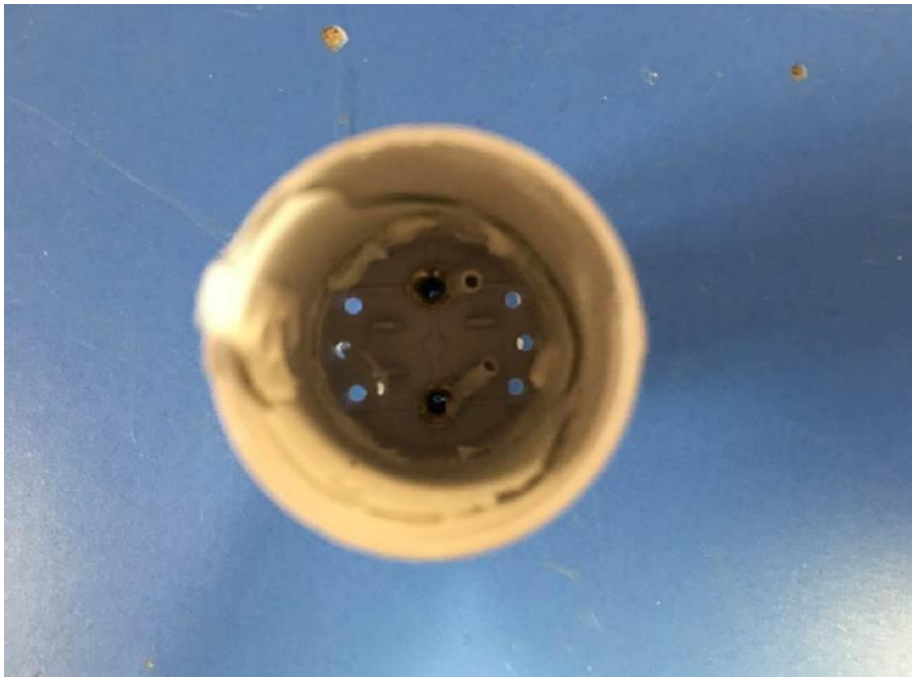
For LLX-2FT-8W

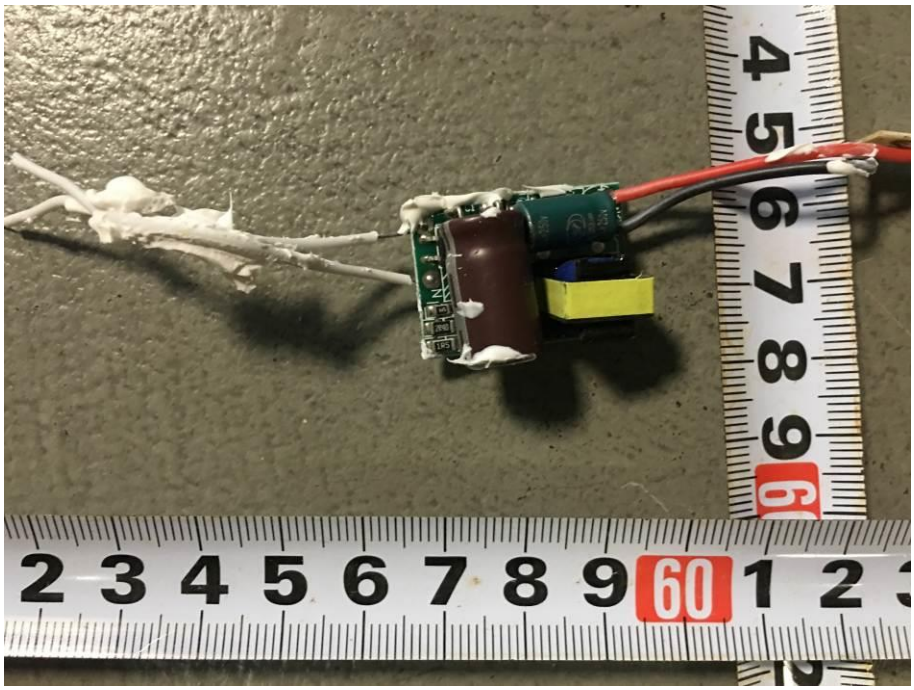
(All series models have similar construction except size of shape and number of LED)





Remarks





Remarks

