TEST REPORT

Reference No.	:	WTF20F09071284L
Applicant	:	Jiangmenshijincan Trade Limited Company
Address	:	Waihaijinxishuijingling Three Floor No.1 Jianghai Jiangmen Guangdong
Manufacturer	:	The same as above
Address	:	The same as above
Product Name	:	Holiday Lamp
Model No	:	See model list on page 2-4
Technical data	:	See model list on page 2-4
Standards	:	Seasonal & Holiday Decorative Products UL 588:2015 Ed.19+R:09Jan2018
Test Category	:	Entrusted Test
Date of Receipt sample	:	2020-09-29
Date of Test	:	2020-09-29 to 2020-10-26
Date of Issue	:	2020-10-27
Test Result	:	**Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

Address: No.13-19, 2/F., 2nd Building, Sunlink International Machinery City, Chencun, Shunde District, Foshan, Guangdong, China

Tel :+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Compiled by:

Bonn Ding / Project Engineer

Approved by:

Oden Yang / Manager

Test item description……: Lighting Chains

Trade Mark ……: LANFU

Model/Type reference……: See model list on page 2-4
Ratings……: See model list on page 2-4

Description:
The products covered by this report are Decorative outfits for indoor use.

Marking:

Model No: BT-1216WW
ASIN/UPC EAN: B08BLT28HQ

Input: 120Vac, 60Hz, 0.3A ;
Max. 12W

For damp location.

Class 2 Power supply :
Output: 24Vdc, Max. 500mA

Jiangmenshijincan Trade Limited Company

On the luminaire surface

Remark: the marking label for other models are identical as above, except model name and some parameters.

General remarks:
"(see remark #)" refers to a remark appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report a point is used as the decimal separator.

General product information:
1. Every series are with the same construction ,except the ratings and colour. Unless other specified, all tests were performed on model BT-1216WW, the results complied with the requirements of the standards mentioned on page one.
2. For details see below model list.

Model List

Item	Model	ASIN/UPC EAN	Rated voltage (VDC)	Rated frequency (Hz)	MAX. Rated power (W)	Location use
1	BT-400WH-CA	B08BLSMW5W	120V	60Hz	7.2W	Damp
2	BT-400WW-CA	B08BLS8FSP	120V	60Hz	7.2W	Damp
3	BT-400RGBY-CA	B08BLSLWTX	120V	60Hz	7.2W	Damp
4	BT-400PP-CA	--	120V	60Hz	7.2W	Damp
5	BT-400orange-CA	--	120V	60Hz	7.2W	Damp
6	BT-1216WH-CA	B08BLT35W9	120V	60Hz	12W	Damp

7	BT-1216WW-CA	B08BLT28HQ	120V	60Hz	12W	Damp
8	BT-1216RGBY-CA	B08BLVHZ4Q	120V	60Hz	12W	Damp
9	BT-1216PP-CA	--	120V	60Hz	12W	Damp
10	BT-1216orange-CA	--	120V	60Hz	12W	Damp
11	BT-320WWMU-CA	--	120V	60Hz	7.2W	Damp
12	BT-320WWMU-VC-CA	--	120V	60Hz	7.2W	Damp
13	BT-60WW-CA	--	120V	60Hz	6W	Damp
14	SD01102-CA	--	120V	60Hz	6W	Damp
15	BT-400WH	B08BLSMW5W	120V	60Hz	7.2W	Damp
16	BT-400WW	B08BLS8FSP	120V	60Hz	7.2W	Damp
17	BT-400RGBY	B08BLSLWTX	120V	60Hz	7.2W	Damp
18	BT-400PP	--	120V	60Hz	7.2W	Damp
19	BT-400orange	--	120V	60Hz	7.2W	Damp
20	BT-1216WH	B08BLT35W9	120V	60Hz	12W	Damp
21	BT-1216WW	B08BLT28HQ	120V	60Hz	12W	Damp
22	BT-1216RGBY	B08BLVHZ4Q	120V	60Hz	12W	Damp
23	SD02000	B088T5KXL5	120V	60Hz	6w	Damp
24	BT-1216PP	--	120V	60Hz	12W	Damp
25	BT-1216orange	--	120V	60Hz	12W	Damp
26	BT-320WWMU	--	120V	60Hz	7.2W	Damp
27	BT-320WWMU-VC	--	120V	60Hz	7.2W	Damp
28	BT-300WW	--	120V	60Hz	7.2W	Damp
29	BT-300WH	--	120V	60Hz	7.2W	Damp
30	BT-300RGBY	--	120V	60Hz	7.2W	Damp
31	BT-300PP	--	120V	60Hz	7.2W	Damp
32	BT-300orange	--	120V	60Hz	7.2W	Damp
33	CL-300WW	--	120V	60Hz	7.2W	Damp
34	CL-300WH	--	120V	60Hz	7.2W	Damp
35	CL-300RGBY	--	120V	60Hz	7.2W	Damp
36	CL-300PP	--	120V	60Hz	7.2W	Damp
37	PT-LD8020	--	120V	60Hz	6W	Damp
38	SD01102	B08FBHNVS4	120V	60Hz	6W	Damp
39	WS-001-2	--	120V	60Hz	6W	Damp
40	WS-002-2	--	120V	60Hz	6W	Damp
41	WS-003-2	--	120V	60Hz	6W	Damp
42	WS-004-2	--	120V	60Hz	6W	Damp
44	WS-005-2	--	120V	60Hz	6W	Damp

BT-XXXXYY-ZZ can represent any model No.1.X=0~9; 2.YY=WW,WH; 3.ZZ=US,CA,MX
BT-XXXXRGBY-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
BT-XXXXorange-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
BT-XXXYY-ZZ can represent any model No.1.X=0~9; 2.YY=WW,WH; 3.ZZ=US,CA,MX
BT-XXXRGBY-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
BT-XXXXorange-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
CL-XXXYY-ZZ can represent any model No.1.X=0~9; 2.YY=WW,WH; 3.ZZ=US,CA,MX
CL-XXXRGBY-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
CL-XXXorange-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
CL-XXXXYY-ZZ can represent any model No.1.X=0~9; 2.YY=WW,WH; 3.ZZ=US,CA,MX
CL-XXXXRGBY-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX
CL-XXXXorange-ZZ can represent any model No.1.X=0~9; 2.ZZ=US,CA,MX

General remarks:

"(see remark #)" refers to a remark appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report a point is used as the decimal separator.

Possible test case verdicts::

- test object does meet the requirement……..……: P (Pass)
- test object does not meet the requirement……: F (Fail)

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.

The follwing tests were performed：

Test Description	UL 588:2015 Ed.19+R:09Jan 2018	UL 8750:2015 Ed. 2+R:28Apr2020	Verdict	Remarks
Input Test	42	8.2	P	/
Leakage Current Test	40	/	P	/
Temperature Test	43	8.3	P	/
Dielectric Voltage-Withstand Test	45	8.6	P	/
Strain Relief Test	46	/	P	/
Abnormal Operation Test	48	/	P	/
Downward Burning Rate Test	50	/	P	/
Routine Flexing Test	52	/	P	/
Fault Current Test	66	/	P	/
Reliability of Conductor Connections Test	72	/	P	/
Accessibility Test	76	/	P	/

	ANNEX 1 components				P
object/part No.	Code	manufacturer/ trademark	type/model	technical data and securement means	mark(s) of conformity
Direct plug-in power supply	B	NINGBO GOLDEN POWER ELECTRONIC CO., LTD.	GP-SW240DC0500-IP44(US)	INPUT: 120VAC, 60Hz 0.3A OUTPUT: 24VDC, 500mA, 12W	UL E334265
DC Connector	B	TORAY INDUSTRIES INC	CM3004-V0(rr)	PA66. V-0	UL E41797
Input wire to timer & Output wire of timer & Lead wire to LED	B	KENIC ELECTRIC MFG CO., LTD.	SPT-02W	2 x 20AWG, rated min. 300V, 105°C	UL E167861
Plastic enclosure of timer	B	SICHUAN LONGHUA FILM CO LTD	PP-BK-20	PC; V-0,80°C	UL E254551
PCB	B	KINGBOARD LAMINATES HOLDINGS LTD	KB-5150	V-0; 130°C	UL E123995
LED	B	ZHE JIANG FEITIAN LIGHTING SCIENCE AND TECHNOLOGY CO.,LTD.	FTV-5F WW S	IF=20mA; VF=2.8-3.6V	NR

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

ANNEX 2	Temperature measurements, thermal tests of Section 43	P

	Type reference.....:	BT-1216WW	—
	Lamp used.....:	LED	—
	Lamp control gear used.....:	--	—
	Mounting position of luminaire.....:	Acc. to user manual	—
	Supply wattage (W).....:	11.89W	P
	Input current (V).....:	120VAC	P
	Frequency.....:	60Hz	N
	Table: measured temperatures corrected for ta = 25 °C:		P

Temperature measurements, (°C)

Part	Ambient	Clause 52 – normal				--	
		--	test data	--	limit	--	--
Direct plug-in power supply	25.0	--	29.8	--	Ref	--	--
DC Connector	25.0	--	30.2	--	Ref	--	--
Lead wire to LED	25.0	--	32.8	--	105	--	--
Input wire to controller	25.0	--	29.6	--	105	--	--
Plastic enclosure of controller	25.0	--	33.1	--	80	--	--
PCB	25.0	--	35.8	--	130	--	--
LED	25.0	--	33.6	--	Ref	--	--

====== End of Report ======

Photo Documentation

Model: BT-1216WW



Photo 1



Photo 2

Photo Documentation

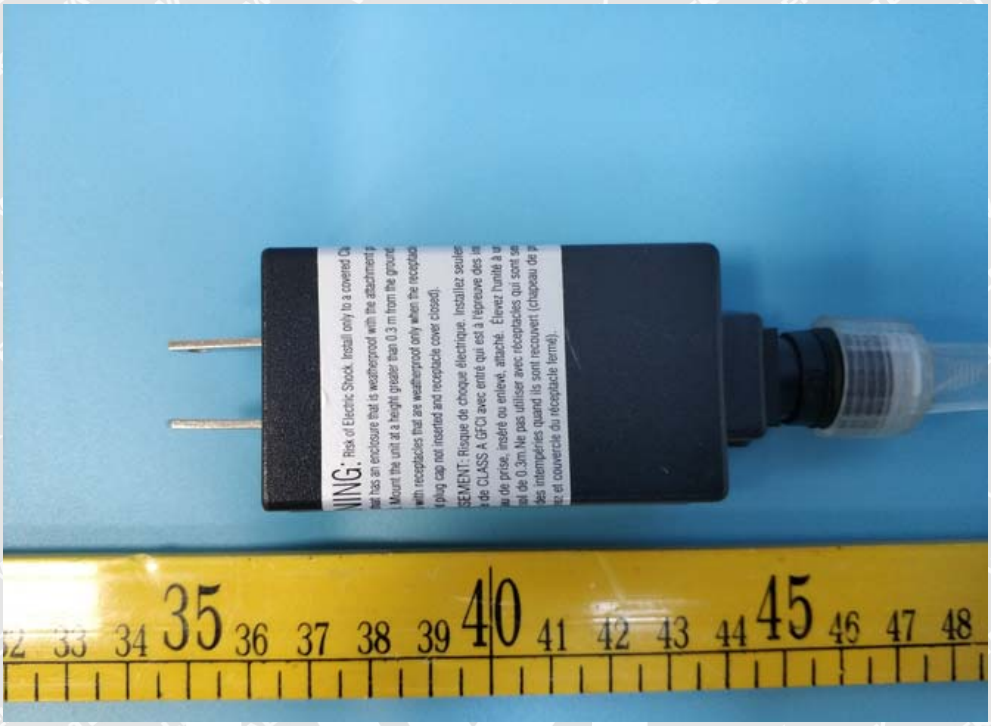


Photo 3



Photo 4

Photo Documentation



Photo 5



Photo 6

====== End of Photo ======