

TEST REPORT UL 588 STANDARD FOR SAFETY Seasonal and Holiday Decorative Products		
Report Number.....: D230919016 Date of issue.....: 2023-09-08 Total number of pages 25		
Testing Laboratory.....: Dongguan Hongnuo Product Testing Service Co., Ltd Address.....: No. 8, Jinqianling Wujie, Huangjiang, Dongguan, Guangdong, China		
Applicant's name.....: Heyuan Limei Tree and Light Technology Co., Ltd. Address.....: No.01 National Road, Longling Industrial Park, Yuancheng District, Heyuan City		
Test specification: This test report form is based on the following requirements: Standard.....: Seasonal and Holiday Decorative Products [UL 588] Test procedure.....: Safety report Non-standard test method.....: N/A		
Test sample.....: Christmas tree Trade Mark.....:  Manufacturer.....: Same as applicant Model/Type reference.....: BFG40T-674T-200L, BFG50T-1122T-350L, BFG60T-1600T-500L, BFG65T-1824T-650L, BFG70T-2296T-750L, BFG75T-2456T-850L, BFG80T-3258T-900L, BFG90T-4206T-1100L Ratings.....: 100-120V~50/60Hz, 3.1A(MAX)		
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☒	Testing Laboratory:	Dongguan Hongnuo Product Testing Service Co., Ltd
Testing location/ address.....:		No. 8, Jinqianling Wujie, Huangjiang, Dongguan, Guangdong, China
Tested by (name, function, signature).....:		Jesse Hu 
Approved by (name, function, signature)....:		Victor Meng 

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.





Christmas tree

MODEL: BFG60T-1874T-500L
INPUT:100-120V~50/60Hz, 3.1A(MAX)
CONFORMS TO UL STD.588
MANUFACTURER: Heyuan Limei Tree
and Light Technology Co.,Ltd.
PRODUCING DATE: 2023/03
MADE IN CHINA

CAUTION

Seasonal light warning:
This seasonal product is not
intended for permanent
installation.

Products with decorations:
"CAUTION To reduce the
likelihood of excessive
heat and possible damage,
use only decorative lamp
accessories packaged
with this product."



Christmas tree

MODEL: BFG65T-2226T-650L
INPUT:100-120V~50/60Hz, 3.1A(MAX)
CONFORMS TO UL STD.588
MANUFACTURER: Heyuan Limei Tree
and Light Technology Co.,Ltd.
PRODUCING DATE: 2023/03
MADE IN CHINA

CAUTION

Seasonal light warning:
This seasonal product is not
intended for permanent
installation.

Products with decorations:
"CAUTION To reduce the
likelihood of excessive
heat and possible damage,
use only decorative lamp
accessories packaged
with this product."





Christmas tree

MODEL: BFG70T-2818T-750L
 INPUT: 100-120V~50/60Hz, 3.1A(MAX)
 CONFORMS TO UL STD.588
 MANUFACTURER: Heyuan Limei Tree
 and Light Technology Co.,Ltd.
 PRODUCING DATE: 2023/03
 MADE IN CHINA

CAUTION

Seasonal light warning:
 This seasonal product is not
 intended for permanent
 installation.

Products with decorations:
 "CAUTION To reduce the
 likelihood of excessive
 heat and possible damage,
 use only decorative lamp
 accessories packaged
 with this product."



Christmas tree

MODEL: BFG75T-3026T-850L
 INPUT: 100-120V~50/60Hz, 3.1A(MAX)
 CONFORMS TO UL STD.588
 MANUFACTURER: Heyuan Limei Tree
 and Light Technology Co.,Ltd.
 PRODUCING DATE: 2023/03
 MADE IN CHINA

CAUTION

Seasonal light warning:
 This seasonal product is not
 intended for permanent
 installation.

Products with decorations:
 "CAUTION To reduce the
 likelihood of excessive
 heat and possible damage,
 use only decorative lamp
 accessories packaged
 with this product."





Christmas tree

MODEL: BFG80T-3258T-900L
 INPUT:100-120V~50/60Hz, 3.1A(MAX)
 CONFORMS TO UL STD.588
 MANUFACTURER: Heyuan Limei Tree
 and Light Technology Co.,Ltd.
 PRODUCING DATE: 2023/03
 MADE IN CHINA

CAUTION

Seasonal light warning:
 This seasonal product is not
 intended for permanent
 installation.

Products with decorations:
 "CAUTION To reduce the
 likelihood of excessive
 heat and possible damage,
 use only decorative lamp
 accessories packaged
 with this product."



Christmas tree

MODEL: BFG90T-4206T-1100L
 INPUT:100-120V~50/60Hz, 3.1A(MAX)
 CONFORMS TO UL STD.588
 MANUFACTURER: Heyuan Limei Tree
 and Light Technology Co.,Ltd.
 PRODUCING DATE: 2023/03
 MADE IN CHINA

CAUTION

Seasonal light warning:
 This seasonal product is not
 intended for permanent
 installation.

Products with decorations:
 "CAUTION To reduce the
 likelihood of excessive
 heat and possible damage,
 use only decorative lamp
 accessories packaged
 with this product."



List of Attachments (including a total number of pages in each attachment):

NA

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.....:** 2023-08-28**Date (s) of performance of tests.....:** 2023-08-28 to 2023-09-04

General product information:

- The product is with a length of flexible cord assembled with an attachment plug for power-supply cord connection.
- The product is for indoor use and provided with manual.
- The product is a factory-assembled lighting assembly employing push-in lampholders connected in parallel across the line and neutral blades of the attachment plug or current tap.
- A decorative lighting harness is employed in a decorative outfit (Christmas tree) and it is provided with overcurrent protection.
- Model list

Model	Input Rating	Number of bulbs	Size	Photo
BFG40T-674T-200L	100-120V~50/60Hz, 3.1A(MAX)	200	H: 125cm φ: 108cm	
BFG50T-1122T-350L	100-120V~50/60Hz, 3.1A(MAX)	350	H: 155cm φ: 115cm	
BFG60T-1600T-500L	100-120V~50/60Hz, 3.1A(MAX)	500	H: 185cm φ: 142cm	
BFG65T-1824T-650L	100-120V~50/60Hz, 3.1A(MAX)	650	H: 200cm φ: 156cm	
BFG70T-2296T-750L	100-120V~50/60Hz, 3.1A(MAX)	750	H: 215cm φ: 166cm	
BFG75T-2456T-850L	100-120V~50/60Hz, 3.1A(MAX)	850	H: 230cm φ: 176cm	
BFG80T-3258T-900L	100-120V~50/60Hz, 3.1A(MAX)	900	H: 245cm φ: 186cm	
BFG90T-4206T-1100L	100-120V~50/60Hz, 3.1A(MAX)	1100	H: 275cm φ: 196cm	

INTRODUCTION			
1	Scope		P
2	Glossary		P
3	Components		P
4	Units of Measurement		P
5	References		P

CONSTRUCTION			
ALL PRODUCTS			
6	General		P
7	Overcurrent Protection		P
8	Materials		P
9	Mechanical Assembly		N/A
10	Enclosures		N/A
10.1	General		N/A
10.2	Metallic enclosures		N/A
10.3	Polymeric enclosure		N/A
11	Enclosure Openings		N/A
12	Accessibility of Live Parts		P
13	Supply Connections		P
13.1	General		P
13.2	Cords		P
13.3	Wiring devices		P
13.4	Polarization		P
13.5	Grounding		N/A
14	Terminals and Conductive Parts		P
15	Strain Relief		N/A
16	Spacings		P
17	Splices		N/A
18	Class 2 Circuits		N/A
19	Switches		N/A
20	Printed Wiring Boards		N/A
21	Bushings		N/A
22	Lampholders		P
22.1	General		P
22.2	Series-connected		P
22.3	Parallel-connected		N/A
23	Lamps		P

24	Lamping		N/A
25	Fuseholders and Fused Attachment Plugs		P
26	Devices Employing Insulation-Piercing Terminals		N/A
27	Outdoor-Use Products		N/A
SERIES-CONNECTED STRINGS			P
28	General		P
PARALLEL-CONNECTED STRINGS			N/A
29	General		N/A
DECORATIVE LIGHTING HARNESSSES			N/A
30	General		N/A
DECORATIVE OUTFITS			P
31	General		P
32	Motorized Devices.		N/A
33	Light Sculptures		N/A
DIRECT PLUG-IN UNITS			N/A
34	General		N/A
ORNAMENTS			N/A
35	General		N/A
BATTERY OPERATED PRODUCTS			N/A
36	General		N/A

PERFORMANCE

GENERALP

37	Cheesecloth Indicators		P
38	Test Sequences		P

ALL PRODUCTS EXCEPT ORNAMENTS

39	General		N/A
40	Leakage Current Test		P
41	Leakage Current Following Humidity Conditioning		P
42	Input Test		P
43	Temperature Test		P
44	Mounting Position Test		P
45	Dielectric Voltage-Withstand Test		P
46	Strain Relief Test		P
47	Wire Push-Back Relief Test		N/A
48	Abnormal Operation Test		N/A
49	Component Power Measurement Test		N/A
50	Downward Burning Rate Test		P
51	Conductivity of Decorative Parts Test		P
52	Routine Flexing Test		N/A

53	Slip-Ring Endurance Test		N/A
54	Temperature Tests for Devices Employing Insulation-Piercing Terminals		N/A
54.1	General		N/A
54.2	Temperature test		N/A
54.3	Thermal cycling		N/A
54.4	Strain relief/terminal temperature		N/A
55	Abnormal Tests for Controllers		N/A
55.1	General		N/A
55.2	Abnormal operation test		N/A
55.3	Overload test		N/A
56	Tests for Permanence of Cord Tag		P
56.1	General		P
56.2	Test conditions		P
56.3	Test method		P
PRODUCTS EMPLOYING POLYMERIC ENCLOSURES			N/A
57	General		N/A
58	Enclosure Mold Stress Relief Test		N/A
59	Drop Test		N/A
60	Impact Test		N/A
61	Cold Impact Test		N/A
62	Resistance to Crushing Test		N/A
63	Adhesive Test		N/A
PRODUCTS EMPLOYING OVERCURRENT PROTECTIVE DEVICES			P
64	General		P
65	Calibration Test		P
66	Fault Current Test		P
67	Fuseholder Temperature Test		P
68	Fuseholder Crush Test		P
69	Fuseholder Cover Test		P
PRODUCTS EMPLOYING CORD-CONNECTED WIRING DEVICES OR POWER INLETS			P
70	General		P
71	Strain Relief Test		P
72	Reliability of Conductor Connections Test		P
73	Security of Blades Test		P
74	Security of Input Contacts Test		P
75	Security of Insulation Test		P
76	Accessibility Test		P
PRODUCTS EMPLOYING SERIES-CONNECTED LAMPHOLDERS			P
77	General		P

78	Oven Test		P
79	Lampholder Strain Relief Tests		P
79.1	Lead pull test		P
79.2	Secureness of leads test		P
80	Secureness of Lampholder Contacts Test		P
81	Lampholder Millivolt Drop Test		P
82	Rope Strength Test		P
83	Crush Test		P
84	Cascade Lamp Burnout Simulation Test.		N/A
PRODUCTS PROVIDED WITH SELF-SHORTING CONTACTS			N/A
85	Cascading Lamp Temperature Test		N/A
86	Cycling Test		N/A
87	Input Test		N/A
PRODUCTS INTENDED FOR OUTDOOR USE			N/A
88	General		N/A
89	Rain Test		N/A
90	Rain Test For Series-Connected Lighting Strings		N/A
91	Standing Water Immersion Test		N/A
92	Gasket Test		N/A
93	Gasket Adhesion Test		N/A
94	Ultraviolet (UV) Light Exposure and Water Immersion Tests		N/A
94.1	General		N/A
94.2	UV conditioning		N/A
94.3	Water immersion		N/A
DECORATIVE LIGHTING STRINGS			P
95	Flexing Test		P
96	Decorative Lighting String Intended for Use on a Patio Umbrella		N/A
97	Temperature Test After Flexing		P
TREE STANDS			P
98	General		P
99	Stability Test		P
100	Overflow Test		N/A
DIRECT PLUG-IN UNITS			N/A
101	General		N/A
ELECTRONICALLY-OPERATED ORNAMENTS			N/A
102	General		N/A
103	Leakage Current Test		N/A
104	Temperature Test at 200 mA (Electronically-Operated)		N/A
105	Dielectric Voltage-Withstand Test		N/A

106	Enclosure Mold Stress Relief Test		N/A
107	Strain Relief Test		N/A
108	Drop Test		N/A
109	High Current Abnormal Test		N/A
110	High Current Inrush Test		N/A
111	Series Cascade Burnout Test		N/A
112	Abnormal Operation Test		N/A
113	Voltage Drop Test		N/A
NON-ELECTRONICALLY-OPERATED ORNAMENTS			N/A
114	General		N/A
115	Temperature Test at 200 mA (Non-Electronically-Operated)		N/A
116	Cascade Lamp Burnout Simulation Test		N/A
MANUFACTURING AND PRODUCTION TESTS			N/A
117	Production-Line Dielectric Voltage-Withstand Test		N/A
118	Lamping Test		N/A
119	Polarization Continuity Test		N/A
120	Grounding Continuity Test		N/A
RATINGS			P
121	Details		P
MARKINGS			P
122	General		P
123	Product Markings		P
124	Product/Cord Tag Markings		P
124.1	General		P
125	Cord Tag Markings		P
125.1	General		P
125.2	Products employing replaceable fuses		P
125.3	Products employing lamps		P
125.4	Products employing load fittings		P
125.5	Products without load fittings		N/A
125.6	Decorative-lighting strings		N/A
125.7	Decorative outfits		N/A
125.8	Tree stands		P
125.9	Ornaments		N/A
125.10	Products employing batteries		N/A
125.11	Battery supply polarity identification		N/A
125.12	Bubble lights		N/A
125.13	Class 2 circuits		N/A
126	Carton/Stuffer Sheet/Product/Cord Tag Markings		P

126.1	General		P
126.2	Products employing power inlets		N/A
126.3	Products employing skeleton-type lampholders		N/A
126.4	Decorative-lighting strings		N/A
126.5	Ornaments		N/A
127	Carton Markings		P
127.1	General		P
INSTRUCTION MANUAL			P
128	General		P
129	Instructions Pertaining to the Risk of Fire, Electric Shock, or Injury to Persons		P
129.1	General		P
129.2	Decorative-lighting strings, decorative outfits, and ornaments		P
130	Use and Care Instructions		P
131	User Servicing Instructions		P
SUPPLEMENT SA – SEASONAL-LIGHTING LAMPS			N/A
INTRODUCTION.			N/A
SA1	Scope		N/A
CONSTRUCTION			N/A
SA2	Screw-Base Lamps		N/A
SA2.1	General		N/A
SA2.2	Lamps intended for parallel connection		N/A
SA3	Bubble Lights		N/A
SA4	LED Lamps		N/A
SA5	Outdoor Use LED Lamps		N/A
PERFORMANCE			N/A
LAMPS INTENDED FOR SERIES CONNECTION			N/A
SA6	Maximum Lamp Wattage Test		N/A
LAMPS INTENDED FOR PARALLEL CONNECTION			N/A
SA7	Lamp Screw Base Conformity Test		N/A
SA8	Envelope-to-Base Securement Test		N/A
SA9	Lamp-Envelope Temperature Test.		N/A
BUBBLE LIGHTS			N/A
SA10	General		N/A
SA11	Identification Test		N/A
GLASS LED LAMPS			N/A
SA11A	General		N/A
PRODUCTION LINE TESTS			
SA12	General		N/A
MARKINGS			N/A

SA13	General		N/A
SUPPLEMENT SB – SEASONAL-LIGHTING LAMPHOLDERS			N/A
INTRODUCTION			N/A
SB1	Scope		N/A
SB2	Glossary		N/A
CONSTRUCTION			N/A
SB3	General		N/A
SB4	Depth of Lamp Base Cavity		N/A
SB5	Body Material		N/A
SB6	Metal Screw Shells		N/A
SB7	Skeleton-Type Lampholders		N/A
SB8	Insulation-Piercing Terminals		N/A
SB9	Outdoor-Use Lampholders		N/A
PERFORMANCE			N/A
ALL LAMPHOLDERS			N/A
SB10	General.		N/A
SB11	Dielectric Voltage-Withstand Test		N/A
SB12	Mold Stress Relief Test		N/A
SB13	Screwthread Conformity Test		N/A
SB14	Mechanical Strength of Lampholder Threads Tests.		N/A
SB14.1	Pull test		N/A
SB14.2	Torque test.		N/A
SB15	Secureness of Leads Test		N/A
SB16	Lead Pull Test		N/A
SB17	Crush Test		N/A
SB18	Temperature Tests for Seasonal Lampholders with Insulation-Piercing Terminals		N/A
SB18.1	General		N/A
SB18.2	Temperature test		N/A
SB18.3	Thermal cycling		N/A
SB18.4	Strain relief/terminal temperature		N/A
OUTDOOR-USE LAMPHOLDERS			N/A
SB19	General		N/A
SB20	Rain Test		N/A
SB21	Leakage Current Test		N/A
SB22	Leakage Current Following Humidity Conditioning		N/A
SB23	Ultraviolet (UV) Light Exposure and Water Immersion Tests		N/A
SB23.1	General		N/A
SB23.2	UV conditioning		N/A
SB23.3	Water immersion		N/A

MARKINGS			N/A
SB24	General		N/A
SUPPLEMENT SC – IN-LINE FUSEHOLDERS WITH INSULATION-PIERCING TERMINALS FOR SEASONAL PRODUCTS			N/A
INTRODUCTION			N/A
SC1	Scope		N/A
CONSTRUCTION			N/A
SC2	General		N/A
PERFORMANCE			N/A
SC3	General		N/A
SC4	Temperature Tests for Devices Employing Insulation-Piercing Terminals		N/A
SC5	Drop Test		N/A
SC6	Temperature Test		N/A
SC7	Dielectric Voltage-Withstand Test		N/A
SC8	Calibration Test		N/A
SC9	Fault Current Test		N/A
SC10	Dielectric Voltage-Withstand Test (Repeated)		N/A
SC11	Crush Test		N/A
SC12	Abnormal Pin Protrusion Test		N/A
SC13	Flexing Test.		N/A
SC14	Dielectric Voltage-Withstand Test (Repeated)		N/A
SC15	SC15 Temperature Test After Flexing		N/A
SC16	SC16 Opening Force Test		N/A
SC17	Strain Relief Test		N/A
SC18	Reliability of Conductor Connections Test		N/A
SC19	Security of Insulation Test		N/A
SC20	Fuseholder Cover Test		N/A
SC21	Outdoor-Use In-Line Fuseholders		N/A
SC22	Tests for Permanence of Cord Tag		N/A
MANUFACTURING AND PRODUCTION-LINE TESTS			N/A
SC23	Opening Force Test		N/A
SC24	Open/Close Test		N/A
SC25	Abnormal Pin Protrusion Test		N/A
MARKINGS			N/A
SC26	General.		N/A
SUPPLEMENT SD – STRING LIGHTS FOR ALL-YEAR USE			N/A
INTRODUCTION			N/A
SD1	Scope		N/A
SD2	Definitions		N/A
CONSTRUCTION			N/A

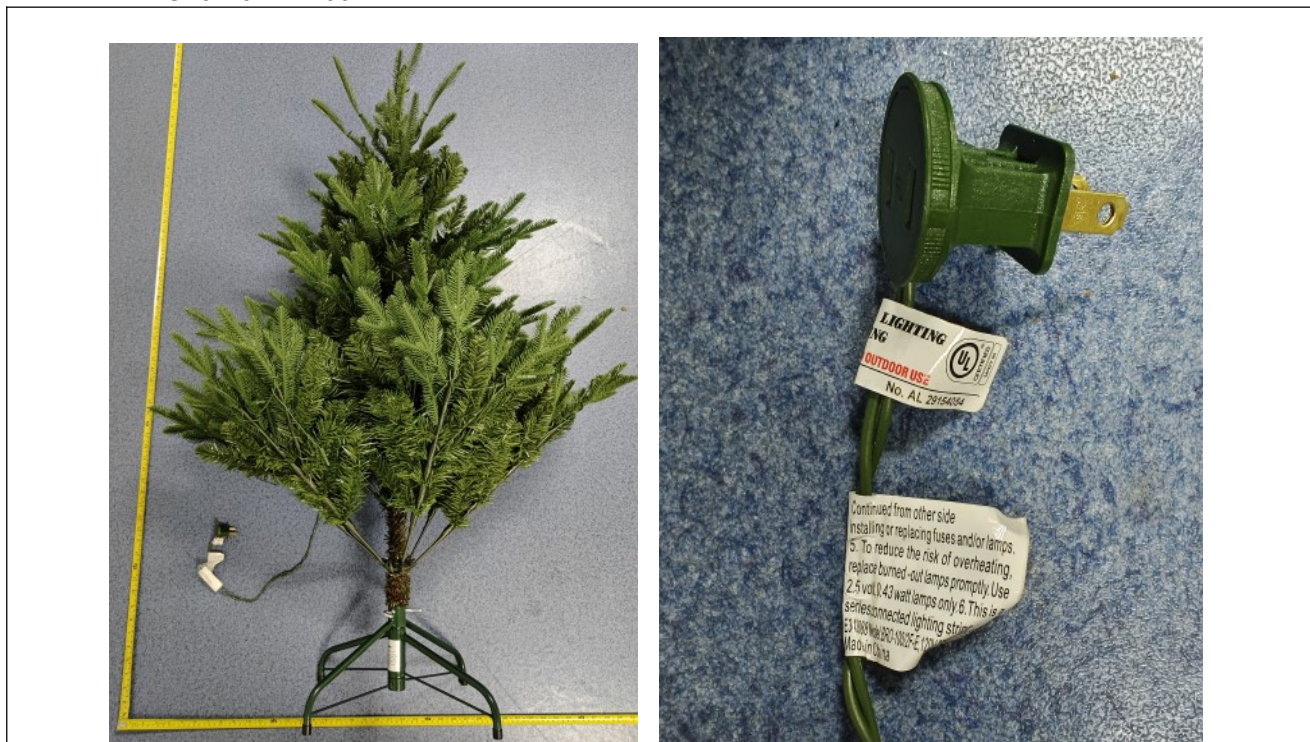
SD3	General		N/A
SD4	Overcurrent Protection		N/A
SD5	Supply Connections		N/A
SD6	General Requirements		N/A
PERFORMANCE			N/A
SD7	General		N/A
SD8	Strain Relief Test		N/A
SD9	Flexing Test		N/A
SD10	Conditioning Test Prior to Rain Test		N/A
SD11	Abnormal Operation Test		N/A
MARKINGS			N/A
SD12	General		N/A
INSTRUCTION MANUAL			N/A
SD13	General		N/A
CARTON MARKINGS			N/A
SD14	General		N/A
SUPPLEMENT SE – COMMERCIAL USE LIGHTING STRINGERS AND ASSEMBLIES			N/A
INTRODUCTION			N/A
SE1	Scope		N/A
SE2	Definitions		N/A
CONSTRUCTION			N/A
SE3	General		N/A
SE4	Supply Connections		N/A
PERFORMANCE			N/A
SE5	General		N/A
SE6	Strain Relief Temperature Test for Commercial Seasonal Lighting Assemblies		N/A
MARKINGS			N/A
SE7	General		N/A
SE8	Cord Tag Markings		N/A
SE9	Carton Markings		N/A
INSTRUCTION MANUAL			N/A
SE10	General		N/A
APPENDIX A			N/A
Standards for Components			N/A

ANNEX 1		TABLE: Critical components information					P
Object / part No.	Code	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
--	--	--	--	--	--	--	
Note: all components accord with standard requirements							

Photo documentation

Details of: Outlook

Remark: BFG40T-674T-200L



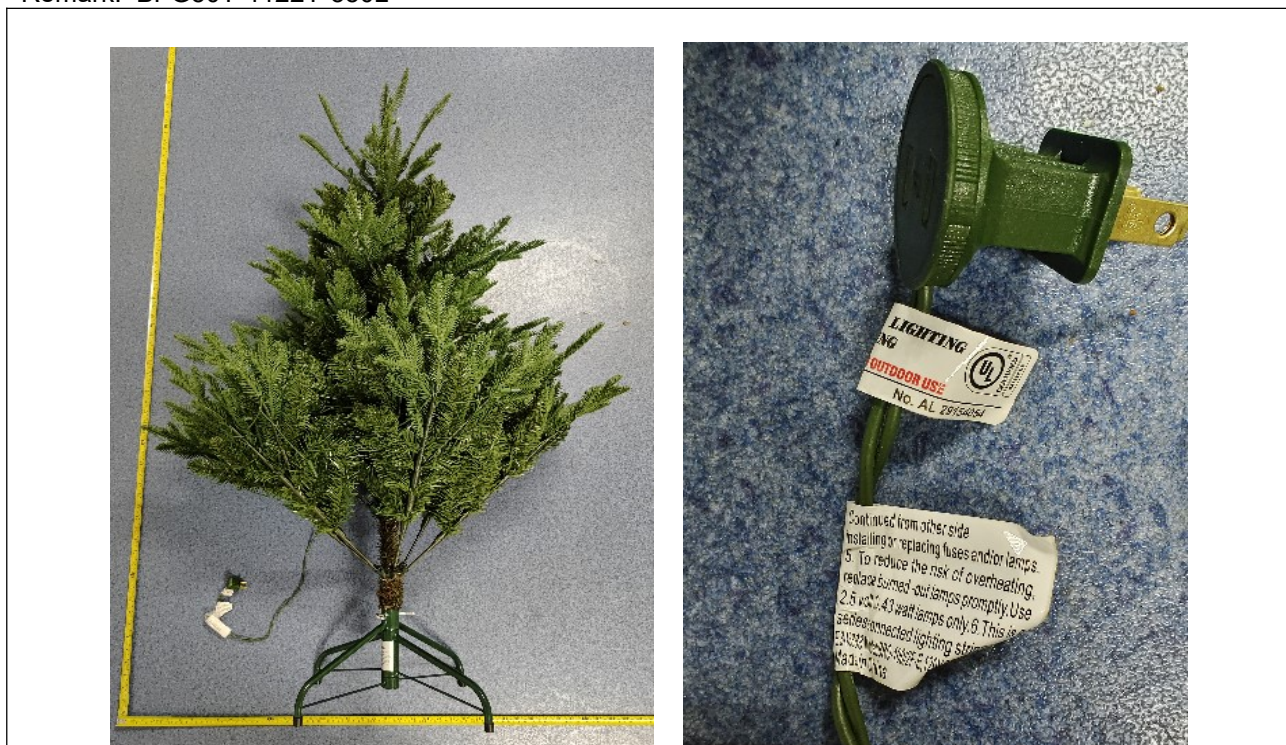
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Remark: BFG40T-674T-200L



Details of: Outlook

Remark: BFG50T-1122T-350L



Details of: Outlook

Remark: BFG50T-1122T-350L



Details of: Outlook

Remark: BFG60T-1600T-500L



Details of: Outlook

Remark: BFG60T-1600T-500L



Details of: Outlook

Remark: BFG65T-1824T-650L



Details of: Outlook

Remark: BFG65T-1824T-650L



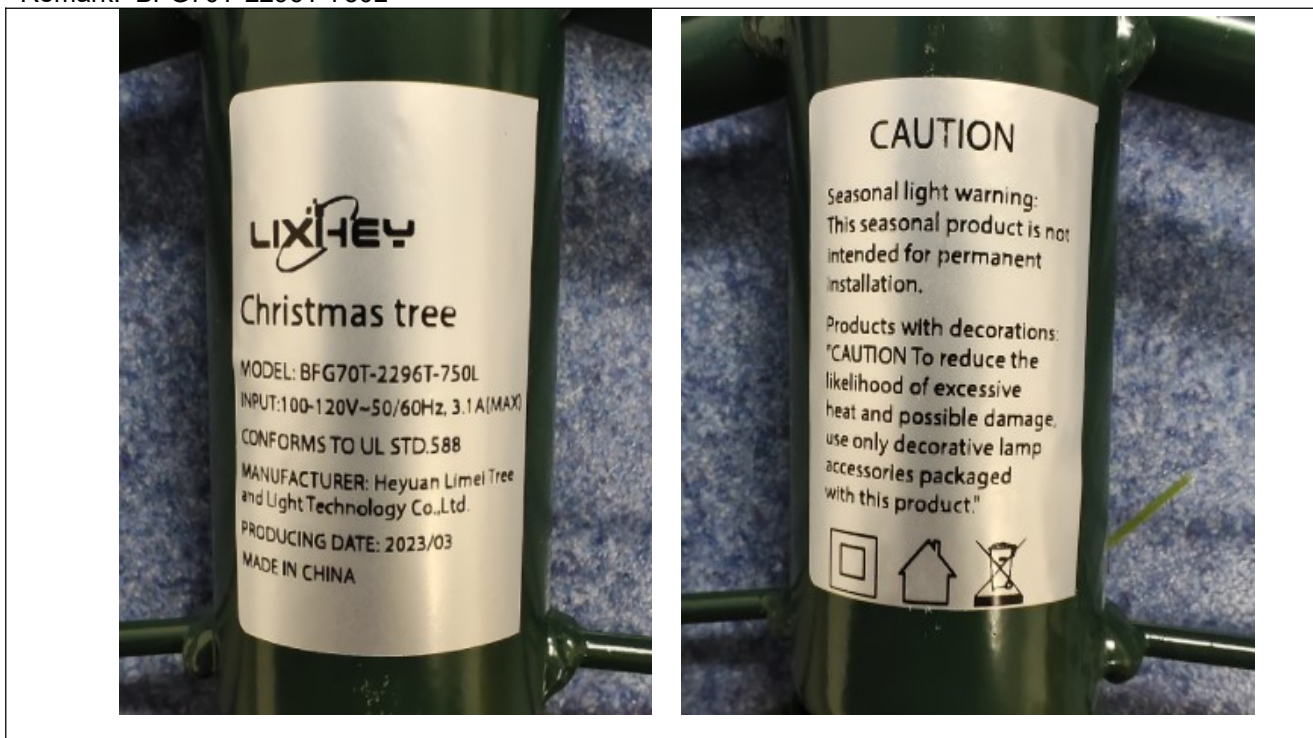
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Remark: BFG70T-2296T-750L



Details of: Outlook

Remark: BFG70T-2296T-750L



Details of: Outlook

Remark: BFG75T-2456T-850L



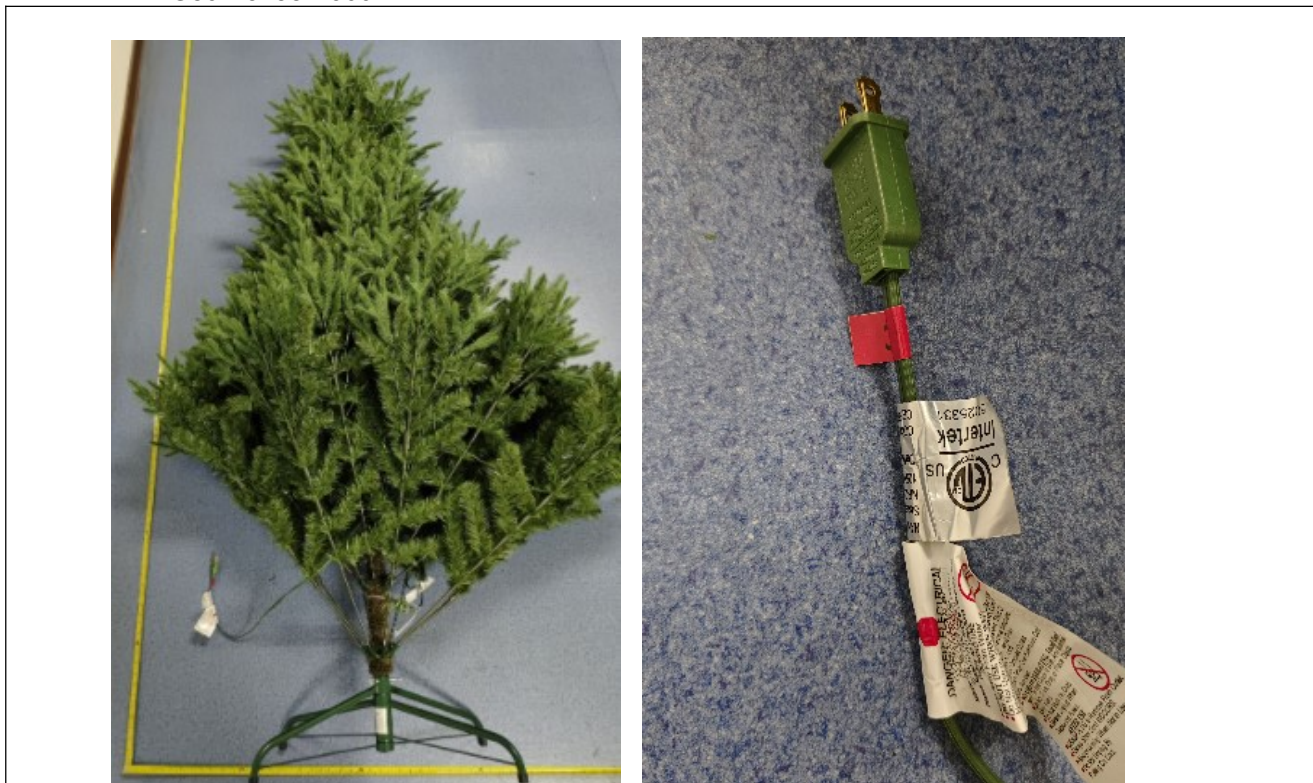
Details of: Outlook

Remark: BFG75T-2456T-850L



Details of: Outlook

Remark: BFG80T-3258T-900L



Details of: Outlook

Remark: BFG80T-3258T-900L



Details of: Outlook

Remark: BFG90T-4206T-1100L



Details of: Outlook

Remark: BFG90T-4206T-1100L



END OF REPORT