

TEST REPORT

UL 588 STANDARD FOR Seasonal and Holiday Decorative Products CSA C22.2 No. 37 Standard for Decorative lighting products

Report Reference No. GZES250500861731

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Testing Laboratory SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou

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Applicant's name Boluo County Yuanzhou Town Jianyida Hardware Factory

Address Tuguaxu Village, Yuanzhou Town, Boluo County, Huizhou,

Guangdong, China

Test specification:

Standard.....: UL 588 (19th ed., Rev. Dec. 5, 2024)

CSA C22.2 No. 37 (8th ed., Dated Feb. 2025)

Test procedure SGS-CSTC

Non-standard test method.....: N/A

Test Report Form No. TR UL588 AMAZON

Test Report Form(s) Originator: SGS-CSTC

Master TRF Dated 2019-04

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Test item description: Christmas products

Trade Mark: N/A

Manufacturer: Same as applicant Factory: Same as applicant

JYD24009, JYD24010, JYD24013, JYD24014, JYD24017, JYD24018, JYD24019, JYD24021, JYD25001, JYD24022, JYD25023, JYD25024, JYD25025, JYD25026, JYD25027, JYD25028, JYD25029, JYD25030, JYD25031, JYD25032, JYD25033, JYD25034, JYD25035, JYD25036, JYD25037, JYD25038, JYD25039, JYD25040, JYD25041, JYD25042, JYD25043, JYD25044, JYD25045, JYD25046, JYD25047, JYD25048, JYD25049, JYD25050, JYD25051, JYD25052,

JYD25048, JYD25049, JYD25050, JYD25051, JYD25052, JYD25053, JYD25054, JYD25055, JYD25056, JYD25057, JYD25058, JYD25059, JYD25060, JYD25061, JYD25062, JYD25063, JYD25064, JYD25065, JYD25066, JYD25067. The models may have suffix represents different colour or for business

purpose that still comply with the requirements in this report.

indoor and outdoor use.

Electrical Ratings...... See Annex II for detail

Remarks / special functions: N/A



Critical components information:

Only following safety critical components were evaluated and/or tested, and were confirmed to comply with the standard requirements mentioned in this test report. Use of components not listed here may lead to non-compliance test results, and it's the sole responsibilities of the manufacturer to make sure all products should be produced in consistent way and only approved components can be used.

Item No.	Component name	Manufacturer/ trademark	Type/ model	Technical data	Standard	Mark(s) of conformity
1	Direct Plug-in Power Supply	Dongguan Guanqing Electronics Co., Ltd	AED06H- 0350350V LSO8	Class 2 direct plug-in power supply, raintight. Input: 120Vac, 50/60Hz, 0.2A; Output: DC 3.5V, 0.35A.	UL1310, CSA C22.2 No. 223	cETLus
			AED06H- 0350500V LSO8	Class 2 direct plug-in power supply, raintight. Input: 120Vac, 50/60Hz, 0.2A; Output: DC 3.5V, 0.5A.		
			AED06H- 0351000V LSO8	Class 2 direct plug-in power supply, raintight. Input: 120Vac, 50/60Hz, 0.2A;		
			AED09- 02900200 GQIP44	Output: DC 3.5V, 1.0A. Class 2 direct plug-in power supply, raintight. Input: 100-240Vac, 50/60Hz, 0.25A; Output: DC 29V, 0.2A.		
			AED06FH- 2900200V LSO8	Class 2 direct plug-in power supply, raintight. Input: 120Vac, 50/60Hz, 0.2A; Output: DC 29V, 0.2A.		
			AED09- 02900300 GQIP44	Class 2 direct plug-in power supply, raintight. Input: 100-240Vac, 50/60Hz, 0.25A; Output: DC 29V, 0.3A.		
			AED12FH- 2900400V LSO8	Class 2 direct plug-in power supply, raintight. Input: 120Vac, 50/60Hz, 0.6A; Output: DC 29V, 0.4A.		
2	Connector	Dongguan City Pinjun Industrial Co., Ltd.	PVC	Formed of PVC material, provided with two contacts of copper alloy material, the PVC material complies with the Downward burning rate test and decorative part flammability test.	UL 588, CSA C22.2 No.37	Tested with appliance
3	Wire	Various	ATXW	ATXW, min. 26AWG, 50 °C, VW-1, 30 V, with a minimum of 1/64-inch (0.4-mm) thick insulation.	UL62, CSA C22.2 No.49	cULus
4	Splitter	Dongguan City Kailang Industrial Co., Ltd	PVC	Optional. Overall size and shape may vary. Formed of material which complies with the PVC material complies with the Downward burning rate test and decorative part flammability test.	UL588, CSA C22.2 No. 37	Tested with appliance





Item No.	Component name	Manufacturer/ trademark	Type/ model	Technical data	Standard	Mark(s) of conformity
5	White LEDs	Various	Various	1.8-3.2V, 20mA, 5 mm diameter.	UL588, CSA C22.2 No. 37	Tested with appliance
6	RGB LED	Various	Various	1.8-2.25V, 20mA for red color; 3.0-4.0V, 20mA for green and blue color. 5 mm diameter.	UL588, CSA C22.2 No. 37	Tested with appliance
7	Separator	Dongguan City Kailang Industrial Co., Ltd	EVA	EVA materials with 1.0 mm thick, formed of materials complies with the Downward burning rate test and decorative part flammability test.	UL588, CSA C22.2 No. 37	Tested with appliance
8	Tubing	Dongguan City Kailang Industrial Co., Ltd	PE	PE materials with 0.3 mm thick, formed of materials complies with the Downward burning rate test and decorative part flammability test.	UL588, CSA C22.2 No. 37	Tested with appliance
9	Steel Stake	Various	Various	Steel material, nominal diameter of 2.7 mm.	UL588, CSA C22.2 No. 37	Tested with appliance
10	Metal Frame	Various	Various	Shaped as shown, some-part construction, secured together by physical fit and plastic tie. Each part constructed of min. 2.0mm diameter painted steel tube welded together.	UL588, CSA C22.2 No. 37	Tested with appliance
11	Decorative part	Dongguan City Kailang Industrial Co., Ltd	Fabric	Made of materials complies with the Downward burning rate test and decorative part flammability test.	UL588, CSA C22.2 No. 37	Tested with appliance
12	Cord Tag (not shown)	Various	Various	Marking and Labeling System identified as meeting UL 817 or UL 588 requirements suitable for outdoor use and ATXW wire. The tag shall be a flag-type tag with an adhesive back. The tag is to be wrapped once tightly around and adhered to the wire. The ends of the tag are to adhere to each other and project as a flag. Markings are printed in black on a white background.	UL 817 or UL 588	UR



Marking:

This follow representative of marking is required for all models except model no. and electrical ratings which refer to page 2 of this report. The power supply cat. number and manufacture according to CRITICAL COMPONENTS of this report.:

CAUTION:

(1) For temporary (90 days max) installation and use only (2) For Indoor and Outdoor use (3) To reduce the likelihood of excessive heat and possible damage, use only decorative lamp accessories packaged with this product (4) To reduce the risk of fire or electric shock, do not attempt to replace lamps or modify wring or product (5) This is an electric product - not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it (6) To reduce the risk of fire and electric shock, use only the power supply Model manufactured by provided with this product (7) Do not place near standing areas of water, such as ponds and pools. (8) To reduce the risk of fire, do not connect to a receptacle controlled by a dimmer. Connection to a receptacle controlled by a dimmer may also lead to product failure.

Model/ Modèle: JYD24001 120 V, 60 Hz, 0.2 A, 12 W

Date code

ATTENTION:

(1) Pour installation et usage temporaires (90 jours ou moins) seulement (2) Intérieur et Extérieur (3) Afin de réduire les risques de surchauffe et de dommages, n'utiliser que les accessoires décoratifs fournis avec ce produit ou portant une étiquette qui permet une telle utilisation (4) Afin de réduire les risques d'incendie et d'électrocution, ne pas tenter de remplacer les lampes ou de modifier le câblage ou le produit (5) Ce produit fonctionne à l'électricité - ce n'est pas un jouet! Pour éviter tout risque d'incendie, de brûlures, de blessures et d'électrocution, éviter de jouer avec ce produit et le garder hors de la portée des enfants (6) Afin de réduire les risques de surchauffe et d'électrocution, n'utiliser que le modèle de bloc d'alimentation fabriqué par fourni avec ce produit (7)Ne pas placer à proximité de plans d'eau, comme les étangs et les piscines (8) Pour réduire le risque d'incendie, ne pas connecter à un récipient contrôlé par un dimmer. La connexion à un récipient contrôlé par un dimmer peut également conduire à une défaillance du produit.

Boluo County Yuanzhou Town Jianyida Hardware Factory

Marking A

CAUTION: CONNECT ONLY OTHER SECTIONS OF THIS SCULPTURE ATTENTION: NE CONNECTER QUE LES SECTIONS DE CETTE SCULPTURE

Marking B

For Indoor and Outdoor Use Pour usage intérieur et extérieur

Marking C

Note:

- 1. Marking A shall be located on a tag attached to the product power supply lead within 6 inches (152.4 mm) of the direct plug-in power supply.
- Marking B shall be marked within 76 mm of the face of the load fitting or special connector and shall be visible during interconnection..
- 3. The marking C or equivalent shall be located on the individual carton or container in which a product is packaged, where readily visible without opening the package, and appear on the outside front cover. The letters shall be printed on a high contrast background.
- 4. The height of lettering of all the markings shall be as follows:

Upper case letters shall not be less than 1/12 inch (2.1 mm) in height.

Lower case letters shall not be less than 1/16 inch (1.6 mm) in height.

The words "CAUTION" shall be in letters not less than 3/16 inch (4.8 mm) in height.



Instructions

The instructions shall be provided as an instruction manual, on a stuffer sheet, or on an outside surface of the smallest unit package of the product, including below information:

- 1. Model number;
- 2. Instructions Pertaining to the Risk of Fire, Electric Shock, or Injury to Persons

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic precautions should always be followed including the following: a) "READ AND FOLLOW ALL SAFETY INSTRUCTIONS."

- b) "Do not use seasonal products outdoors unless marked suitable for indoor and outdoor use. When products are used in outdoor applications, connect the product to a Ground Fault Circuit Interrupting (GFCI) outlet. If one is not provided, contact a qualified electrician for proper installation."
- c) "This seasonal use product is not intended for permanent installation or use."
- d) "Do not mount or place near gas or electric heaters, fireplaces, candles or other similar sources of heat."
- e) "Do not secure the wiring of the product with staples or nails, or place on sharp hooks or nails."
- f) "Do not let lamps rest on the supply cord or on any wire."
- g) "Unplug the product when leaving the house, or when retiring for the night, or if left unattended."
- h) "This is an electric product not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it."
- i) "Do not use this product for other than its intended use."
- j) "Do not hang ornaments or other objects from cord, wire, or light string."
- k) "Do not close doors or windows on the product or extension cords as this may damage the wire insulation."
- I) "Do not cover the product with cloth, paper or any material not part of the product when in use."
- m) "Read and follow all instructions that are on the product or provided with the product."

SAVE THESE INSTRUCTIONS

Use and Care Instructions

- a) "When the product is placed on a live tree, the tree should be well maintained and fresh. Do not place on live trees in which the needles are brown or break off easily. Keep the live tree holder filled with water."
- b) "If the product is placed on a tree, the tree should be well secured and stable."
- c) "Before using or reusing, inspect product carefully. Discard any products that have cut, damaged, or frayed wire insulation or cords, cracks in the lampholders or enclosures, loose connections, or exposed copper wire."
- d) "When storing the product, carefully remove the product from wherever it is placed, including trees, branches, or bushes, to avoid any undue strain or stress on the product conductors, connections, and wires."
- e) "When not in use, store neatly in a cool, dry location protected from sunlight."

User servicing instructions

CAUTION: Risk of fire, personal injury, or electric shock.

- 1)Use this product only with the included AC power adaptor.
- 2)If the AC power adaptor is broken or cracked, discard product."

CAUTION — To reduce the risk of fire or electric shock, do not attempt to replace lamps or modify wiring or product. To reduce the risk of fire and electric shock: a) do not install on trees having needles, leaves, or branch coverings of metal or materials which look like metal; and b) do not mount or support wires in a manner that can cut or damage wire insulation.

3. Assembly, operation, maintenance, and storage instructions.



Note:

- 1. Both English and French instructions shall be provided.
- 2. The Important safety instructions shall be in the first part of the instructions manual and shall include all instructions related to personal injury, risk of fire, or electrical shock and precede all other operating and servicing instructions and shall be separate from all other instructions.
- 3. The lettering of the instructions shall comply with the following minimum letter height requirements:
 - 1) a minimum height of 2.1 mm for letters that are uppercase;
 - 2) a minimum height of 1.6 mm for letters that are lowercase; and
 - 3) a minimum height of 4.8 mm for the following phrases or words: "IMPORTANT SAFETY INSTRUCTIONS"; "READ AND FOLLOW ALL SAFETY INSTRUCTIONS"; "SAVE THESE INSTRUCTIONS"; "WARNING"; and "CAUTION".



Summary of testing:

This test report shows that submitted sample(s) have been evaluated and tested to comply with applicable standard requirements in Seasonal and Holiday Decorative Products –UL 588 (19th ed., Rev. Dec. 5, 2024) and Decorative lighting products–CSA C22.2 No. 37 (8th ed., Dated Feb. 2025).

When determining the test conclusion, the Measurement Uncertainty of test has been considered.

Attachment: none

Amendment history: None

Tests performed (name of test and test clause) by project GZES2402003314LM, GZES2503004464LM:

Tests performed (name of test and test clause) by project GZES2505008617LM:

UL 588 (19th ed., <u>Section</u> 42 43 49 50	Rev. Dec. 5, 2024) <u>Test Description</u> Input Test Temperature test Component Power Measurement Test Downward Burning Rate Test
CSA C22.2 No. 37 <u>Section</u> 5.8.4 5.8.5 5.8.11 5.8.15	Y (8th Edition, dated. Feb. 2025) Test Description Test Voltage And Input Rating Temperature Test Decorative Part Flammability Test Circuit Power Limit Measurement Test



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...... 12-May-2024, 16-June-2025

General remarks:

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

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"(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 point is used as the decimal separator.

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	UL	588	1
Clause	Requirement - Test	Result - Remark	Verdict
INTROD	UCTION		
1	Scope	Seasonal decorative light sculpture.	Info
2	Glossary		Info
3	Components		Р
4	Units of Measurement		Info
5	References		Info
CONST	RUCTION – All Products		
6	General	All models are provided with direct plug-in class 2 power supply with available output of less than 15W, power wire of all models, ATXW, 26 AWG, rated VW-1, 30V, 50°C.	Р
7	Overcurrent Protection	Provided with direct plug-in class 2 power supply, no overcurrent protection is required.	Р
8	Materials	All decorative materials comply with the Downward burning rate test.	Р
9	Mechanical Assembly	All parts are proper secured. Supplied by class 2 power supply with maximum output less than 15W, no fire or electrical shock enclosure is required for live parts.	N/A
10	Enclosures	Supplied by class 2 power supply with maximum output less than 15W, no fire or electrical shock enclosure is required for live parts. The wire connector, separator and tubing comply with Downward burning rate test.	Р
11	Enclosure openings	Not applicable as no enclosure is required.	N/A
12	Accessibility of Live Parts	Not applicable as all models are supplied by class 2 power supply with maximum output 29VDC.	N/A
13	Supply Connections		Р
13.1	General	Direct plug-in class 2 power supply	Р
13.2	Cords	Class 2 circuit with maximum available power of less than 15W, the power	Р



	UL 588		
Clause	Requirement - Test	Result - Remark	Verdic
		wire is ATXW, 26 AWG, rated VW-1, 30V, 50°C.	
13.3	Wiring devices	No such component.	N/A
13.4	Polarization	Non-polarized plug of the direct plug-in class 2 power supply.	Р
13.5	Grounding	No grounding provided.	N/A
14	Terminals and Conductive Parts		Р
15	Strain Relief	Not required for class 2 circuit.	N/A
16	Spacings	Not required for class 2 circuit.	N/A
17	Splices	The splices are completed by soldering and cover by separator and tubing.	Р
18	Class 2 Circuits	Class 2 power supplies comply with UL 1310.	Р
18A	Class 2 Circuits and Battery-Operated Products	Class 2 power supplies comply with UL 1310.	Р
18A.2	Class 2 circuits	Class 2 power supplies comply with UL 1310.	Р
18A.3	Battery circuits	No battery.	Р
18A.4	Other components of a Class 2 or battery- operated product	Class 2 circuit with maximum available power of less than 15W, the power wire is ATXW, 26 AWG, rated VW-1, 30V, 50°C.	Р
18A.5	Ratings and markings		Р
19	Switches	No such components.	N/A
20	Printed Wiring Boards		N/A
21	Bushings	No such components.	N/A
22	Lampholders	The non-replaceable LEDs are soldered to the wire.	Р
23	Lamps	Non-replaceable LEDs.	N/A
24	Lamping	Non-replaceable LEDs.	N/A
25	Fuseholders and Fused Attachment Plugs	No such components.	N/A
26	Devices Employing Insulation-Piercing Terminals	No such components.	N/A
27	Outdoor-Use Products	Approved power supply suitable for outdoor use.	N/A
SERIES	-CONNECTED STRINGS		
28	General		Р
28.1	A series-connected string shall accommodate only one type of lamp with a minimum of 8 miniature-	Non-replaceable LEDs	Р



	UL 588	T	
Clause	Requirement - Test	Result - Remark	Verdic
	base lamps or 10 push-in or midget-base lamps.		
	Type is defined as the same voltage, current rating, and connection.		N/A
28.2	The maximum current draw for a series-connected string shall be 0.60 A.		Р
28.3	Series-connected string intended for use with individual-flashing lamps that operate by means of a self-contained thermostatically-operated shunting device.		N/A
28.4	Current-limiting ballast lamps is to be rated for at least 60 V and the two in series, alone, are to limit the current to less than or equal to 0.60 A.		N/A
28.5	Series-connected strings employing miniature screw-base lamps are limited to indoor-use only and shall be marked in accordance with 125.1.3.		N/A
28.6	Series-connected strings intended for installation on the ribs or internal mechanism of a patio umbrella shall additionally comply with the cycling test.		N/A
29	PARALLEL-CONNECTED STRINGS		N/A
30	DECORATIVE LIGHTING HARNESSES		N/A
DECOR	ATIVE OUTFITS	1	<u>'</u>
31	General		Р
31.1	Comply with all the requirements applicable to series-connected strings.		Р
	Comply with all the requirements applicable to parallel strings.		N/A
31.2	Decorative outfit employ medium base lamp		N/A
31.3	Mechanical assembly		N/A
31.4	A decorative outfit with one or more switched lampholders shall accommodate only candelabrabase or larger lamps and shall be for indoor use only.		N/A
31.5	A medium screw lampholder shall only be used in a decorative outfit employing parallel-connected lampholders		N/A
	maximum 6 medium screw lampholders		N/A
	not exceed 1.75 A		N/A
31.6	Enclosure		N/A
31.7	Maximum 3 inches (76.2 mm) of cord between each secured lampholder or wire.		N/A
	Space between the suspended wire and the frame shall not exceed 1/2 inch (12.7 mm).		N/A
32	Motorized Devices		N/A
33	Light Sculptures		Р
33.1	Frame of a light sculpture		Р
33.2	Sufficient free length of wire		Р
		 	-



	UL 588	Report No.: GZES25	
Clause	Requirement - Test	Result - Remark	Verdic
	in the instruction manual		
34	DIRECT PLUG-IN UNITS	Approved power supply.	N/A
35	ORNAMENTS		N/A
36A	BATTERY OPERATED PRODUCTS		N/A
PERFO	RMANCE		
ALL PR	ODUCTS EXCEPT ORNAMENTS		
40	Leakage Current Test		N/A
41	Leakage Current Following Humidity Conditioning		N/A
42	Input Test		Р
43	Temperature Test		Р
44	Mounting Position Test		N/A
45	Dielectric Voltage-Withstand Test		N/A
46	Strain Relief Test		N/A
47	Wire Push-Back Relief Test		N/A
48	Abnormal Operation Test		N/A
49	Component Power Measurement Test		Р
50	Downward Burning Rate Test		Р
51	Conductivity of Decorative Parts Test		N/A
52	Routine Flexing Test		N/A
53	Slip-Ring Endurance Test		N/A
54	Temperature Tests for Devices Employing Insulation-Piercing Terminals		_
54.1	General		N/A
54.2	Temperature Test		N/A
54.3	Thermal cycling		N/A
54.4	Strain relief/terminal temperatures		N/A
55	Abnormal Tests for Controllers		
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		N/A
PRODU	CT EMPLOYING POLYMERIC ENCLOSURES		
57	General		N/A
58	Enclosure Mold Stress Relief Test		N/A
59	Drop Test		N/A



60 61 62 63	Requirement - Test Impact Test Cold Impact Test Resistance to Crushing Test	Result - Remark	Verdict N/A
61 62	Cold Impact Test		N/A
62	·		
	Desistance to Crushing Test		N/A
63	Resistance to Crushing Test		N/A
00	Adhesive Test		N/A
PRODUC	CTS EMPLOYING OVERCURRENT PROTECTIVE D	DEVICES	
64	General		N/A
65	Calibration Test		N/A
66	Fault Current Test		N/A
67	Fuseholder Temperature Test		N/A
68	Fusheholder Crush Test		N/A
69	Fushholder Cover Test		N/A
PRODUC	CTS EMPLOYING CORD-CONNECTED WIRING DE	EVICES OR POWER INLE	TS
70	General		N/A
71	Strain Relief Test		N/A
72	Reliability of Conductor Connection Test		N/A
73	Security of Blades Test		N/A
74	Security of Input Contacts Test		N/A
75	Security of Insulation Test		N/A
76	Accessibility Test		N/A
PRODUC	CTS EMPLOYING SERIES-CONNECTED LAMPHO	LDERS	
77	General		N/A
78	Oven Test		N/A
79	Lampholder Strain Relief Tests		N/A
80	Secureness Lampholder Contacts Test		N/A
81	Lampholder Millivolt Drop Test		N/A
82	Rope Strength Test		N/A
83	Crush Test		N/A
84	Cascade Lamp Burnout Simulation Test		N/A
85	Cascading Lamp Temperature Test		N/A
86	Cycling Test		N/A
87	Input Test		N/A
PRODUC	CTS INTENDED FOR OUTDOOR USE		
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



	UL 588	1	<u> </u>
Clause	Requirement - Test	Result - Remark	Verdic
93	Gasket Adhesion Test		N/A
94	Ultraviolet (UV) Light Exposure and Water Immersion Tests		N/A
DECOR	ATIVE LIGHTING STRINGS		
95	Flexing Test		N/A
96	Decorative Lighting String Intended for Use on a Patio Umbrella		N/A
97	Temperature Test After Flexing		N/A
TREE S	TANDS	·	
98	General		N/A
99	Stability Test		N/A
100	Overflow Test		N/A
DIRECT	PLUG-IN UNITS		
101	General		N/A
ELECT	RONICALLY-OPERATED ORNAMENTS		
102	General		N/A
103	Leakage Current Test		N/A
104	Temperature Test at 200mA (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
112	Voltage Drop Test		N/A
NON-EL	ECTRONICALLY-OPERATED ORNAMENTS		
114	General		N/A
115	Temperature Test 200mA (Non-Electronically-Operated)		N/A
116	Cascade Lamp Burnout Simulation Test		N/A
MANUF	ACTURING AND PRODUCTION TESTS		
117	Production-Line Dielectric Voltage-withstand Test		N/A
118	Lamping Test		Р
119	Polarization Continuity Test		N/A
120	Grounding Continuity Test		N/A



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Clause	Requirement - Test	Result - Remark	Verdict			
RATING	s					
121	Details		_			
121.1	Rated 120V, 60Hz	120V, 60Hz	Р			
121.2	Product employing a non-polarized attachment plug shall not have a current rating that exceeds 0.60 A.		Р			
121.3	Product other than a lighting string employing a polarized attachment plug shall not have a current rating that exceeds 3.6 A.		N/A			
121.4	Parallel-connected product without a load fitting and with a current rating that exceeds 1.75 A shall be marked in accordance with 125.5.1.		N/A			
121.5	Series- or series-parallel-connected decorative lighting string or decorative outfit without a load fitting, employing a polarized attachment plug, and with a current rating that exceeds 0.6 A shall be marked in accordance with 125.5.2.		N/A			
121.6	A decorative outfit accessory shall not have a current rating exceeding the maximum current rating shown in Table 13.1 for the size of the cord employed		N/A			
MARKIN	NGS					
122	General					
122.1	a) Upper case letters shall not be less than 2.1mm in height		Р			
	b) Lower case letters shall not be less than 1.6mm in height		Р			
	c) The words "CAUTION" and "WARNING" shall be in letters not less than 4.8 in height		Р			
122.2	The required shall be legible and		Р			
	a) For tags and labels, the letters shall be black on a white background.		Р			
	b) For other media, the letters shall be on a high contrast background. Colors such as black on red, black on green, yellow on green, the reverse of any of these combinations, and other low contrast markings are not permitted.		Р			
122.3	A required marking shall be durable, legible, and permanent. A marking shall be considered permanent if it is:		Р			
	a) Die-stamped into the unit,		N/A			
	b) Molded as part of the unit, or		N/A			



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Clause	Requirement - Test	Result - Remark	Verdict
	c) Indelibly stamped or printed on a tag or pressure sensitive adhesive-backed label		Р
	An adhesive-backed label shall comply with the requirements in the Standard for Marking		Р
	and be for the temperature, type of surface, and environment, such as indoor or outdoor, for which it is intended.		Р
122.4	If a required marking is located on a tag, the tag shall be a flag-type tag with an adhesive back.		Р
	The tag is to be wrapped once tightly around and adhered to the power-supply cord. The ends of the tag are to adhere to each other and project as a flag		Р
122.5	At the end of the markings on the first side of the tag, the tag shall be marked: "See other side." Before the remainder of the required markings on the second side of the tag, the tag shall be marked: "Continued from other side."		P
122.6	For markings located on a tag, the word "CAUTION" may appear only once at the beginning of the marking, followed by a numbered list of the remaining text of each required marking.		Р
123	Product markings		_
123.1	A fuseholder, fused attachment plug, fused current tap, or other device which contains a replaceable fuse or fuses, shall be permanently marked on the device with the following: "Use only 125-volt fuse, amp. max."		N/A
	The marking shall be visible during fuse replacement.		N/A
124	Product/ Cord tag markings		_
124.1	General		_
124.1.1	The markings specified in this section shall be located on a tag attached to the product within 152.4 mm of the face of the attachment plug, current tap, direct plug-in unit, or power inlet, or on the product		Р
124.1.2	a) The manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product may be identified;		Р
	b) A distinctive catalog number;		Р
	c) The rated input voltage, either as "120 V" or "120 Volts"		Р
	d) The rated input current in "A" or "Amps" and "Watts"		Р
	e) The rated frequency in Hz or Hertz; and		Р
	f) The month and year of manufacture		Р

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Clause	Requirement - Test	Result - Remark	Verdic
124.1.3	If a manufacturer produces or assembles a seasonal product at more than one factory, each finished product shall have a distinctive marking, which may be in code, by means of which it may be identified as the product of a particular factory.		N/A
125	Cord Tag Markings		_
125.1	General		_
125.1.1	The markings specified in this section shall be located on a tag attached to the product within 6 152.4 mm of the face of the attachment plug, current tap, direct plug-in unit, or power inlet.		Р
	For a product that employs two cords or input leads, the tag shall be located on both cords or input leads.		N/A
	For a product that does not employ a cord or input leads, the markings in this section shall instead be located on the product		N/A
125.1.2	A seasonal product shall be marked "For temporary (90 days max) installation and use only" or "This seasonal product is not intended for permanent installation."		Р
125.1.3	A seasonal product intended for indoor use only shall be marked "For indoor use only."		N/A
125.1.4	A seasonal product intended for both indoor and outdoor use shall be marked "For indoor and outdoor use."		Р
125.1.5	A seasonal product which contains lamps accessible to the user shall be marked with the word "CAUTION" and the following or the equivalent: "To reduce the likelihood of excessive heat and possible damage, use only decorative lamp accessories packaged with this product."		Р
125.1.6	A product rated at the maximum conductor current shown in Table 13.1 shall be marked with the following: "CAUTION – Do not connect to another lighting string, decorative outfit, or seasonal product."		N/A
125.2	Products employing replaceable fuses		_
125.2.1	A seasonal product which employs replaceable fuses shall be marked "Always unplug this product before installing or replacing fuses."		N/A
125.3	Products employing lamps		
125.3.1	A seasonal product which employs replaceable lamps shall be marked "Always unplug this product before installing or replacing lamps."		N/A
125.3.2	A seasonal product which employs candelabra- or intermediate-base lamps shall be marked "CAUTION: Replace only with same type Watt Max UL Classified lamps."		N/A



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Clause	Requirement - Test	Result - Remark	Verdict
125.3.3	A decorative outfit which employs a medium screw lampholder shall be marked with the word "CAUTION" and the following: "(To reduce the) risk of fire(.) use only type lamp(s), watts max(imum)."		N/A
125.3.4	A seasonal product which employs push-in or midget or miniature screw base lamps employing lamp shunts shall be marked with instructions for the proper method of replacing a burned-out lamp as follows: "CAUTION – To reduce the risk of overheating, replace burned-out lamps promptly. Usevolt, watt lamps only."		N/A
125.3.5	A midget push-in type series, series-parallel connected lighting string that employs a construction that allows the string to operate without the lamps in place shall be marked as follows: "CAUTION – DO NOT OPERATE WITH BULBS MISSING FROM SOCKETS. MISSING BULBS SHOULD BE REPLACED PROMPTLY."		N/A
125.3.6	A decorative outfit which employs less than 8 miniature lamps (see Exception No. 2 to 31.1), a decorative outfit or series connected string with less than 20 push-in or midget-screw lampholders, or a series-connected product employing lamps not provided with lamp shunts, shall be marked as follows: "CAUTION – Replace lamps only with volt, watt spare lamps provided with this product." The blanks shall be filled in with the voltage and wattage of the replacement lamps.		N/A
125.3.7	A series-connected lighting string which employs non-replaceable lamps shall be marked as follows: "CAUTION – To reduce the risk of fire or electric shock, do not attempt to replace lamps or modify string."		P
125.3.8	A seasonal product which employs both push-in individually-flashing lamps and steady illuminating lamps in accordance with the exception to 28.3 shall be marked as follows: "CAUTION – This product contains lamps of two different sizes. To reduce the risk of overheating do not replace steady illuminating lamps with flashing lamps. Use volt lamps only."		N/A
125.3.9	A series-connected lighting string which employs replaceable individual-flashing lamps, and non-replaceable steady illuminating lamps shall be marked as follows: "CAUTION – This product contains two different types of lamps. To reduce the risk of fire or electric shock do not attempt to replace the steady lamps (that are non-replaceable) and or modify string. Replace burned-out individual flashing lamps promptly with individually flashing lamps only. Use volt lamps only." The blank shall be filled in with the voltage value of the replacement lamp.		N/A



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Clause	Requirement - Test	Result - Remark	Verdict
125.3.1 0	A seasonal product which employs two different size lamps in accordance with Exception No. 3 in 28.1, shall be marked as follows: "CAUTION – This product contains lamps of two different sizes. To reduce the risk of overheating, replace burned-out lamps promptly. Use volt watt lamps only for the smaller lamps and volt watt lamps only for the larger lamps."		N/A
125.3.1 1	Products employing glass LED lamps complying with SA11A.1 shall be marked "CAUTION – RISK OF ELECTRIC SHOCK. Do not use if outer lamp envelope is damaged or broken."		N/A
125.4	Products employing load fittings		N/A
125.4.1	A series- or series-parallel-connected decorative-lighting string or a decorative outfit consisting of a string with decorative covers which employs a non-polarized load fitting shall be marked within 3 inches (76.2 mm) of the face of the load fitting with the word "CAUTION" and the following: "This lighting string is rated Watts (Amps), do not overload. Connect other lighting strings or decorative outfits end-to-end up to a maximum of 216 Watts (1.8 Amps) total." Additional instructions shall be provided with the user servicing instructions to further explain the wattage, where to find the wattage rating on the product and where to find the current rating on products that do not contain a wattage rating.		N/A
125.4.2	A series- or series-parallel-connected decorative-lighting string or a decorative outfit consisting of a series-connected string with decorative covers, which employs a nonstandard multi-pin connector, shall be marked within 3 inches (76.2 mm) of the face of the load fitting with the word "CAUTION" and the following:		N/A
	a) "This lighting string is rated Watts (Amps), do not overload. Connect end-to-end only lighting strings or decorative outfits of the same model number from the same manufacturer for a total of 216 Watts (1.8 Amps)."		N/A
	b) "Do not replace or modify any connectors on this product, discard product if connector is damaged."		N/A
	c) "Make sure connectors are fully inserted and any connector rings are twisted until completely secured such that the ring can no longer be turned and the two portions of the connector are completely assembled."		N/A





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125.4.3	A lighting string or a decorative outfit consisting of a lighting string with decorative covers that employs a polarized load fitting shall be marked within 3 inches (76.2 mm) of the face of the load fitting with the word "CAUTION" and the following: "This lighting string is rated Watts (Amps), do not overload. Connect other lighting strings or decorative outfits end-to-end up to a maximum of Watts (Amps) total." The first blank shall be filled in with the rated wattage of the product. The second blank shall be filled in with the rated amperage of the product. The third blank shall be filled in with the conductor wattage based on 120 V times the maximum conductor current described in Table 13.1. The fourth blank shall be filled in with the maximum total current in Amps described in Table 13.1. Additional instructions shall be provided with the user servicing instructions to further explain the wattage, where to find the wattage rating on products that do not contain a wattage rating.		N/A
125.4.4	A parallel-connected decorative-outfit provided with one or more load fittings shall be marked, where visible to the user, with the following: "CAUTION – This product is ratedWatts (Amps) Do not overload. Connect other lighting strings or decorative outfits end-to end up to a maximum ofWatts (Amps) total. Do not interconnect different types of products." The first blank shall be filled in with the rated wattage of the product. The second blank shall be filled in with the rated amperage of the product. The third blank shall be filled in with the conductor wattage based on 120 V times the maximum conductor current described in Table 13.1. The fourth blank shall be filled in with the maximum total current in Amps described in Table 13.1.		N/A
	The marking shall be located either adjacent to the load fittings or on a tag located within 3 inches (76.2 mm) of the load fittings.		N/A
125.4.5	A series- or series-parallel-connected decorative outfit provided with one or more non-polarized load fittings shall be marked, where visible to the user, with the following: "CAUTION – This lighting string is rated Watts (Amps), do not overload. Connect end-to-end a maximum of 216 Watts (1.8 Amps) total. Do not interconnect different types of products."		N/A



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Clause	Requirement - Test	Result - Remark	Verdict
	The marking shall be located either adjacent to the load fittings or on a tag located within 3 inches (76.2 mm) of the load fittings. Additional instructions shall be provided with the user servicing instructions to further explain the wattage, where to find the wattage rating on the product and where to find the current rating on products that do not contain a wattage rating.		N/A
125.4.6	A decorative outfit accessory provided with a load fitting shall be marked where readily visible to the user as follows: "CAUTION: Do not overload – Maximum total load shall not exceed Watts (Amps)."		N/A
	Additional instructions shall be provided with the user servicing instructions to further explain the wattage, where to find the wattage rating on the product and where to find the current rating on products that do not contain a wattage rating.		N/A
125.4.7	A series- or series-parallel-connected decorative outfit provided with one or more polarized load fittings shall be marked, where visible to the user, with the following: "CAUTION – This lighting string is rated Watts (Amps), do not overload. Connect end-to-end a maximum of 432 Watts (3.6 Amps) total. Do not interconnect different types of products."		N/A
	The marking shall be located either adjacent to the load fittings or on a tag located within 3 inches (76.2 mm) of the load fittings.		N/A
	Additional instructions shall be provided with the user servicing instructions to further explain the wattage, where to find the wattage rating on the product and where to find the current rating on products that do not contain a wattage rating.		N/A
125.5	Products without load fittings		N/A
125.5.1	A product with an input current in excess of 1.8 A or which employs more than 30 parallel-connected lampholders, shall be marked with the following: "CAUTION – Do not connect to another lighting string, decorative outfit, or seasonal product."		N/A
125.5.2	A series- or series-parallel-connected decorative lighting string or decorative outfit which employs a polarized plug and no load fitting shall be marked with the following: "CAUTION – Do not connect to another lighting string, decorative outfit, or seasonal product."		N/A
125.6	Decorative-lighting strings		
125.6.1	A decorative-lighting string shall be marked with the type of string, either series-connected or parallel-connected.		N/A
125.7	Decorative outfits		



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Clause	Requirement - Test	Result - Remark	Verdict
125.7.1	A decorative outfit shall be marked with the word "CAUTION" and the following: "This is an electric product - not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it."		P
125.8	Tree stands		_
125.8.1	A motorized tree stand shall be marked with the recommended tree height and total load weight.		N/A
125.8.2	A tree stand not provided with a well to hold water shall be marked: "CAUTION – Use only with an artificial tree. This stand does not contain a well for water."		N/A
125.8.3	A motorized tree stand which employs load fittings intended for connection to specific lamp type lighting strings shall be marked adjacent to the load fitting with the following: "Connect only type light strings."		N/A
125.8.4	A motorized tree stand which employs load fittings not intended for connection to specific lamp type lighting strings shall be marked adjacent to the load fitting with the following: "CAUTION – Do not overload – Max total load shall not exceed 8 A."		N/A
125.9	Ornaments		N/A
125.10A	Battery-operated products		N/A
125.11A	Class 2 products		Р
125.11A .1	In addition to the applicable markings described in 125.1, 125.3, 125.6, 125.7, and 125.9, a Class 2 product shall be provided with the markings described in this section		Р
125.11A .2	A product that is provided with a detachable Class 2 power supply shall be marked near the connection, "CAUTION: To reduce the risk of fire and electric shock, use only the power supply Model mfd. by that was provided with this product."		P
125.11A .3	A product that is provided with a Class 2 power supply shall be marked near the connection, "CAUTION: To reduce the risk of fire, do not connect to a receptacle controlled by a dimmer. Connection to a receptacle controlled by a dimmer may also lead to product failure."		P
125.12	Bubble lights		N/A
126	Carton/Stuffer Sheet/Product/Cord Tag Markings		_
126.1	General		—



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Clause	Requirement - Test	Result - Remark	Verdict
126.1.1	The markings specified in this Section shall be located on the product or a tag attached to the product, on the carton in which a product is packaged, or on a stuffer sheet or instruction manual provided with the product.		P
126.2	Products employing power inlets		_
126.2.1	A seasonal product which employs a power inlet for use with a cord set or detachable power-supply cord shall include the following instructions:		N/A
	a) CAUTION - To reduce the risk of electric shock, use only with the power-supply cord provided or with a cord set intended for outdoor use.		N/A
	b) Do not use a cracked, frayed, or damaged cord. Inspect the cord periodically.		N/A
	c) Do not abuse cord - Do not carry product by the cord or yank or pull it to disconnect from the outlet.		N/A
	d) Disconnect the product from the outlet when not in use.		N/A
126.3	Products employing skeleton-type lampholders		N/A
126.4	Decorative-lighting strings		_
126.4.1	A decorative-lighting string shall include the following instructions: "CAUTION" and the following: "To reduce the risk of fire and electric shock:		N/A
	a) Do not install on trees having needles, leaves or branch coverings of metal or materials which look like metal, and		
	b) Do not mount or support strings in a manner that can cut or damage wire insulation."		
126.5	Ornaments		N/A
127	Carton Markings		_
127.1	General		_
127.1.1	The markings specified in this Section shall be located on the individual carton or container in which a product is packaged, where readily visible without opening the package.		P
	a) When packaged in a carton, the marking shall appear on the outside front cover.		Р
	b) When packaged in a bag, the marking shall appear on two opposing sides of the bag.		N/A
	c) When packaged in a bag attached to a piece of cardboard, the marking shall appear on both sides of the cardboard.		N/A



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Clause	Requirement - Test	Result - Remark	Verdict
	d) When packaged in a transparent polymeric covering attached to cardboard, the marking shall appear on the front of the package, on the cardboard.		N/A
127.1.2	The carton or container in which a seasonal product intended for indoor use only is packaged shall be marked with the following or the equivalent: For Indoor Use Only or Indoor Use."		N/A
127.1.3	The carton or container in which a seasonal product intended for both indoor and outdoor use is packaged shall be marked with the following or the equivalent: "For Indoor and Outdoor Use, Indoor and Outdoor."		Р
INCTOLIC	CTION MANUAL		
128	General		
128.1	A decorative-lighting string, decorative outfit, and ornament shall be provided with legible instructions pertaining to:		_
	a) The risk of fire, electric shock, or injury to persons that may be associated with the use of the product,		P
	b) Operation of the product, and		Р
	c) User-maintenance and storage.		Р
128.2	The instructions indicated in Sections 129 – 131 shall be provided as an instruction manual, on a stuffer sheet, or on an outside surface of the smallest unit package of the product.		Р
128.3	The instruction manual shall include the model or catalog number of the product or products which it covers.		Р
129	Instructions Pertaining to the Risk of Fire, Electric Shock, or Injury to Persons		
129.1	General		
129.1.1	Instructions pertaining to a risk of fire, electric shock, or injury to persons shall state precautions that should be taken to reduce such risks.		Р
129.1.2	Instructions pertaining to the risk of fire, electric shock, or injury to persons shall be:		Р
	a) In the first part of the manual,		Р
	b) Before all other instructions, including the operating instructions, and		Р
	c) Separate in format from other instructions related to assembly, operation, maintenance, and storage.		Р



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129.1.3	The instructions may include illustrations to identify the important safety features specified in 129.2.1.		Р
129.1.4	The height of the lettering in the text and illustrations of the instructions specified in 129.2.1 shall be as follows:		_
	a) Upper case letters shall not be less than 1/12 inch (2.1 mm) in height.		Р
	b) Lower case letters shall not be less than 1/16 inch (1.6 mm) in height.		Р
	c) The phrases "IMPORTANT SAFETY INSTRUCTIONS," "READ AND FOLLOW ALL SAFETY INSTRUCTIONS," and "SAVE THESE INSTRUCTIONS" shall be in letters not less than 3/16 inch (4.8 mm) in height.		Р
129.1.5	Unless otherwise indicated, the text of the safety instructions shall be verbatim to, or in equally definitive terminology as, 129.2.1, except where specific conflict of the application to a product exists.		Р
	The items may be numbered. The phrases "READ AND FOLLOW ALL SAFETY INSTRUCTIONS" and "SAVE THESE INSTRUCTIONS" shall be first and last, respectively, in a list of items. Other important safety instruction items considered appropriate by the manufacturer may be inserted.		P
129.2	Decorative-lighting strings, decorative outfits, and ornaments		_
129.2.1	The following instructions shall be provided with a decorative-lighting string, decorative outfit, or ornament:		Р
	IMPORTANT SAFETY INSTRUCTIONS		Р
	a) "READ AND FOLLOW ALL SAFETY INSTRUCTIONS."		Р
	b) "Do not use seasonal products outdoors unless marked suitable for indoor and outdoor use. When products are used in outdoor applications, connect the product to a Ground Fault Circuit Interrupting (GFCI) outlet. If one is not provided, contact a qualified electrician for proper installation."		Р
	c) "This seasonal use product is not intended for permanent installation or use."		Р
	d) "Do not mount or place near gas or electric heaters, fireplaces, candles or other similar sources of heat."		Р
	e) "Do not secure the wiring of the product with staples or nails, or place on sharp hooks or nails."		Р
	f) "Do not let lamps rest on the supply cord or on any wire."		Р



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Clause	Requirement - Test	Result - Remark	Verdict
	g) "Unplug the product when leaving the house, when retiring for the night, or if left unattended." The text "or if the left unattended" is optional.		P
	h) "This is an electric product – not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it."		Р
	i) "Do not use this product for other than its intended use."		Р
	j) "Do not hang ornaments or other objects from cord, wire, or light string."		Р
	k) "Do not close doors or windows on the product or extension cords as this may damage the wire insulation."		Р
	I) "Do not cover the product with cloth, paper or any material not part of the product when in use."		Р
	m) "This product has a polarized plug (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not use with an extension cord unless plug can be fully inserted. Do not alter or replace the plug." It is acceptable to omit this item if the product does not employ a polarized plug.		N/A
	n) "This product is equipped with push-in type lamps. Do not twist lamps." It is acceptable to omit this item if the product does not contain push-in type lamps.		N/A
	o) "This product employs overload protection (fuse). A blown fuse indicates an overload or short-circuit situation. If the fuse blows, unplug the product from the outlet. Also unplug any additional strings or products that may be attached to the product. Replace the fuse as per the user servicing instructions (follow product marking for proper fuse rating) and check the product. If the replacement fuse blows, a short-circuit may be present and the product should be discarded." It is acceptable to omit this item for an ornament or if the fuse is not replaceable.		N/A
	p) "Read and follow all instructions that are on the product or provided with the product."		Р
	q) "SAVE THESE INSTRUCTIONS"		Р
130	Use and Care Instructions		



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130.1	The instruction manual shall contain specific instructions concerning the use and care of the product. These instructions shall be preceded by the heading "Use and Care Instructions." The instructions shall include, but are not limited to, the following:		Р
	a) "When the product is placed on a live tree, the tree should be well maintained and fresh. Do not place on live trees in which the needles are brown or break off easily. Keep the tree holder filled with water." This item may be omitted if the product is not intended for placement on a tree or next to a tree.		Р
	b) "If the product is placed on a tree, the tree should be well secured and stable." This item may be omitted if the product is not intended for placement on a tree or next to a tree.		P
	c) "Before using or reusing, inspect product carefully. Discard any products that have cut, damaged, or frayed wire insulation or cords, cracks in the lampholders or enclosures, loose connections, or exposed copper wire."		P
	d) "When storing the product, carefully remove the product from wherever it is placed, including trees, branches, or bushes, to avoid any undue strain or stress on the product conductors, connections, and wires."		Ф
	e) "When not in use, store neatly in a cool, dry location protected from sunlight."		Р
130.2	The markings in 130.1 (a) and (b) may be omitted for those decorative-lighting strings that are obviously not intended for use during the Christmas holiday season, such as a string with Halloween or Easter figures such as pumpkins or eggs.		N/A
131	User Servicing Instructions		_
131.1	The instruction manual shall contain specific instructions concerning user servicing. These instructions shall be preceded by the heading "User Servicing Instructions." The instructions shall include, but are not limited to, those described in 131.2 – 131.7		N/A
131.2	For products that employ replaceable fuses, the instruction manual shall have specific instructions concerning how to physically replace the fuse		N/A
	The instructions shall include, but are not limited to the following statements, or the equivalent, to successfully replace the fuse and shall include illustrations to assist the user:		N/A





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Clause	Requirement - Test	Result - Remark	Verdict	
	a) "Grasp plug and remove from the receptacle or other outlet device. Do not unplug by pulling on cord."		N/A	
	b) "Open fuse cover." The manufacturer shall indicate the specific way to open the cover, such as, "Slide open fuse access cover on top of attachment plug towards blades," or "Push on tabs located next to the blades."		N/A	
	c) "Remove fuse carefully." The manufacturer shall indicate the appropriate way to remove the fuse, such as whether to push the fuse from the other side or turn fuseholder over to remove fuse.		N/A	
	d) "Risk of fire. Replace fuse only with Amp, 125 Volt fuse (provided with product)." The blank shall be filled in with the current rating of the fuse. Words located in parenthesis are applicable only if the replacement fuse is provided with the product.		N/A	
	e) "Close fuse cover." The manufacturer shall indicate the specific way to close the cover, such as, "Slide closed the fuse access cover on top of attachment plug," or "Push cover closed so that all tabs latch."		N/A	
131.3	A product employing a fused attachment plug shall include the following instructions: "Risk of fire. Do not replace attachment plug. Contains a safety device (fuse) that should not be removed. Discard product if the attachment plug is damaged."		N/A	
th ir th lii e	For products that employ series-connected lamps, the instruction manual shall have specific instructions concerning how to physically replace the lamp. The instructions shall include, but are not limited to the following statements, or the equivalent, to successfully replace the lamp and shall include illustrations to assist the user:		N/A	
	a) "Grasp plug and remove from the receptacle or other outlet device. Do not unplug by pulling on cord."		N/A	
	b) The manufacturer shall indicate the specific way to remove the lamp, such as, "Pull lamp and plastic base straight out of lampholder" or "Unscrew lamp counter-clockwise."		N/A	



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	c) "Replace lamp with only Volt, Watt type lamp (provided with product)." The blanks shall be filled in with the voltage and wattage of the lamp and type of lamp, such as super bright, regular brightness, energy saving, or LED. Words located in parentheses are applicable only if the replacement lamp is provided with the product. Typically, super-bright lamps are rated above 0.42 Watts, regular brightness lamps are rated between		N/A
	0.32 – 0.40 Watts, and energy saving lamps are rated approximately 0.25 Watts.		
	d) For push-in lamps, the manufacturer shall indicate how to exchange the lamp base on the new lamp with the old one if the new lamp base does not fit.		N/A
131.5	In addition to being located on a tag attached to the product, the appropriate markings specified in 125.3.2 – 125.3.4, as related to the lamp type employed, shall also be included in the relamping information provided in the instruction manual.		N/A
131.6	A decorative outfit which employs less than 8 miniature or 10 push-in or midget-screw lampholders (see Exception No. 2 to 31.1), or a series-connected product employing lamps not provided with lamp shunts, shall include the following in the instruction manual: "CAUTION – Risk of fire. This product does not contain lamp shunts, which allow the product to operate if one lamp burns out. Do not replace lamps with other than the spare lamps provided with this product." or		N/A
	"CAUTION – Risk of fire. This product does not contain lamp shunts, which allow the product to operate if one lamp burns out. Do not replace lamps with other than the spare lamps provided with this product." or		N/A
	"CAUTION – Risk of fire. This product does not contain shunts inside the lamps. Do not replace lamps with other than the spare lamps provided with this product."		N/A
131.7	An ornament shall include the following or the equivalent in the instruction manual: "Disconnect the lighting string or decorative outfit from the outlet before removing a lamp and replacing it with the ornament".		N/A
131.8	A midget push-in type series, series-parallel connected lighting string that employs a construction that allows the string to operate without the lamps in place shall not include the following statements or equivalent in the instruction manual or shown on any part(s) of the product and packaging:		N/A



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Clause	Requirement - Test	Result - Remark	Verdic
	a) Picture or drawing depicting lamp(s) removed and the string in the lit condition; or		N/A
	b) Wording that implies the string can be still energized even with lamp(s) removed.		N/A
131.9	A midget push-in type series, series-parallel connected lighting string that employs a construction that allows the string to operate without the lamps in place and uses a "fuse lamp" shall include instructions that identifies the location of the replaceable "fuse lamps" in the lighting strings and instructs the consumer how to properly replace the fuse lamp. In addition, the following shall be included: "WARNING – Risk of fire: This product employs overload protection (fuse lamp) in each series light circuit to provide overload protection in addition to the fuse(s) located in the plug. Do not replace the fuse lamp contained in this set with any other type of lamp, use only spare fuse lamps provided with this product."		N/A
SUPPL EMENT SA	SEASONAL-LIGHTING LAMPS		N/A
SUPPL EMENT SB	SEASONAL-LIGHTING LAMPHOLDERS		N/A
SUPPL EMENT SC	IN-LINE FUSEHOLDERS WITH INSULATION- PIERCING TERMINALS FOR SEASONAL PRODUCTS		N/A
SUPPL EMENT SD	STRING LIGHTS FOR ALL-YEAR USE		N/A



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Clause	Requirement - Test	Result - Remark	Verdic
1	Scope	Seasonal decorative light sculpture supply by class 2 power supply.	Info
2	Reference Publications		Info
3	Definitions		Info
4	General		Info
5	General Requirements		_
5.1	Mechanical construction		Р
5.1.1	General		Р
5.1.1.1	Each part of the product shall comply with its applicable construction requirements.		Р
5.1.1.2	No edge, point, or burrs of an uninsulated live part can contact with the insulation of wire		Р
5.1.1.3	Insulation on which current-carrying parts are mounted shall be of cold-moulded or polymeric materials or of an equivalent insulating material.		Р
5.1.1.4	Hard fiber shall not for the sole support of live parts.		N/A
5.1.2	Decorative parts	All materials except power supply and wire comply with flammability test.	Р
5.1.3	Mechanical assembly		Р
5.1.3.1	All uninsulated live parts shall be located in an enclosure	Not require as supplied by class 2 power supply.	N/A
5.1.3.2	Clause 5.1.4 shall apply to all enclosures employed by controllers, splices compartment, or direct- plug-in units.		N/A
5.1.3.3	All parts of a product shall be securely attached.	All part are securely attached.	Р
5.1.3.4	Adhesive used to secure parts of the enclosure shall comply with adhesive test of Clause 5.9.7.		N/A
5.1.3.5	Enclosure shall not necessary to open or remove when it is used as intended. If screw is used, screw shall be special not open by normal screwdriver		N/A
5.1.3.6	Switch or control forms part of an enclosure, the part shall comply with drop test of Clause 5.9.3 and impact test of Clause 5.9.4, and shall be secured in place by mechanical means.		N/A
5.1.4	Enclosures	Not require as supplied by class 2 power supply.	N/A
5.2	Electrical construction	Wire located in LVLE circuit, maximum available power less than 15W.	Р
5.2.2	Overcurrent protection	Not required as supplied by class 2 circuit.	N/A
5.2.3	Accessibility of live parts	Not required as supplied by class 2 circuit.	N/A
5.2.4	Supply connections	Direct plug-in means	Р



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Clause	Requirement - Test	Result - Remark	Verdict
5.2.5	Flexible cords and conductors	Wire employed in a Class 2 circuit with a maximum available power of less than 15 W.	Р
5.2.6	Wiring devices		N/A
5.2.7	Polarization	Direct plug-in means	N/A
5.2.8	Terminals and conductive parts	Copper, copper alloy	Р
5.2.9	Spacings	Not required as supplied by class 2 power supply.	N/A
5.2.10	Splices	Splices are soldered or completed by connector.	Р
5.2.11	LVLE circuits	Power supply with class output which comply with CAN/CSA-C22.2 No. 223.	Р
5.2.12	Switches		N/A
5.2.13	Printed circuit boards		N/A
5.2.14	Lamps	Non replaceable LED lamp.	Р
5.2.15	Lamping		N/A
5.2.16	Fuseholders and fused attachment plugs		N/A
5.2.17	Devices employing insulation-piercing terminals		N/A
5.3	Outdoor locations	Supplied by class 2 power supply suitable for outdoor use.	N/A
5.4	Commercial use product		N/A
5.5	Motorized devices		N/A
5.6	Direct plug-in units — Supplementary requirements	Approved class 2 power supply need not re-evaluated.	N/A
5.7	Products with batteries		N/A
5.8	Tests for all products excluding ornaments and rope lighting systems		N/A
5.9	Additional tests for products with polymeric enclosures		N/A
5.10	Tests for products employing overcurrent protective devices		N/A
5.11	Additional tests for wiring devices		N/A
5.12	Additional tests for products intended for outdoor locations	Supplied by class 2 power supply suitable for outdoor use.	N/A
5.13	Additional tests for direct plug-in units	Approved class 2 power supply need not re-evaluated.	N/A
5.14	Test apparatus		N/A
5.15	Manufacturing and production test		N/A
5.16	Ratings		Р

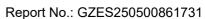


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Clause	Requirement - Test	Result - Remark	Verdict
5.16.1	Each product that uses a CSA configuration plug shall be rated 120 V, 60 Hz.		Р
5.16.2	Ornaments shall be rated at the lamp voltage of the series-connected string it is intended to be used in.		N/A
5.17	Marking		
5.17.1	General		Р
5.17.1.1	Required markings shall comply with the letter heights indicated below:		Р
	a) a minimum height of 2.1 mm (0.0827 in) for letters that are upper case;		
	b) a minimum height of 1.6 mm (0.062 in) for letters that are lower case; and		
	c) a minimum height of 4.8 mm (0.189 in) for all letters of any signal words which include "WARNING" and "CAUTION".		
5.17.1.2	The markings shall be easy to read		Р
5.17.1.3	The markings shall be legible, permanent, and easy to read		Р
5.17.1.4	Flag-style tag		Р
5.17.1.5	The first side of the flag tag shall be marked at the end of the first set of markings with "See other side" and "Continued from other side" on the second side.		N/A
5.17.1.6	Several markings may be with the same signal word, such as "CAUTION" or "WARNING"		Р
5.17.1.7	In addition to the mandatory markings provided on the product, a QR code may be provided on the product which leads the user to a web-based location where the same markings and instructions are duplicated.		Р
5.17.1.8	All safety, caution, and warning markings shall be in English and French		Р
5.17.2	Product markings		N/A
5.17.2.1	Markings indicated in Clause 5.17.2 shall be located on the product		N/A
5.17.2.2	Any device with a replaceable fuse shall be marked "Use only 125-volt fuse, amp. max."		N/A
5.17.3	Product and cord tag markings		Р
5.17.3.1	Markings shall be located no more than 152.4 mm (6 in) from the face of the attachment plug, current tap, direct plug-in unit, or on the product.		Р
5.17.3.2	The following markings shall be on all products:		
a)	Identification of the company responsible for the product.		Р
b)	Model no.		Р
c)-f)	Input rating, voltage, amperage, wattage and frequency		Р





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Clause	Requirement - Test	Result - Remark	Verdict
g)	Date code		Р
h)	Factory identification if produced in more than one location.		N/A
5.17.4	Cord tag markings		Р
5.17.4.1	Markings shall be located no more than 152.4 mm (6 in) from the face of the attachment plug, current tap, direct plug-in unit, or on the product on a cord tag.		Р
5.17.4.1.2	Marked "For temporary (90 days max) installation and use only" or "This decorative product is not intended for permanent installation."		Р
5.17.4.1.3	A commercial use product shall be marked "Suitable for year round use".		N/A
5.17.4.1.4	Products shall be marked with the word "indoor" if intended for only indoor use.		N/A
5.17.4.1.5	Products shall be marked with the words "indoor" and "outdoor" if intended for both indoor and outdoor use.		Р
5.17.4.1.6	"CAUTION: To reduce the likelihood of excessive heat and possible damage, use only decorative lamp accessories packaged with this product or marked for use with this product" or equivalent.		P
5.17.4.1.7	"CAUTION: This is an electric product — not a toy! To avoid risk of fire, burns, personal injury and electric shock it should not be played with or placed where small children can reach it."		Р
5.17.4.2	Products with a replaceable fuse shall include a marking to instruct the user to disconnect power before replacing the fuse.		N/A
5.17.4.3	Products employing lamps		_
5.17.4.3.1	Products with a replaceable lamp shall include a marking to instruct the user to disconnect power before replacing the lamp.		N/A
5.17.4.3.2	A product which employs candelabra, GU24, or intermediate-base lamps shall be marked: "CAUTION: Replace only with same type W		N/A
5.17.4.3.3	Maxlamp". A series-connected product which employs replaceable incandescent lamps shall be marked: "CAUTION – To reduce the risk of overheating, replace burned-out lamps promptly. Use V, W lamps only."		N/A
5.17.4.3.4	A series-connected product which employs replaceable LED lamps: "CAUTION – To reduce the risk of overheating, replace burned-out lamps promptly. Use V, MA lamps only."		N/A





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Clause	Requirement - Test	Result - Remark	Verdict
5.17.4.3.5	A decorative lighting product which employs non-replaceable lamps shall be marked as follows:		Р
	"CAUTION – To reduce the risk of fire or electric shock, do not attempt to replace lamps or modify wiring or product."		
5.17.4.3.6	A decorative lighting product which employs replaceable incandescent lamps both individually-flashing and steady illuminating shall be marked as follows: "CAUTION – This product contains lamps of two different sizes. To reduce the risk of overheating do not replace steady illuminating lamps with flashing lamps. Use V, W flashing lamps and V, W steady lamps only."		N/A
5.17.4.3.7	A series-connected product which employs incandescent replaceable individual-flashing lamps, and non-replaceable steady illuminating lamps shall be marked as follows:		N/A
	"CAUTION – This product contains two different types of lamps. To reduce the risk of fire or electric shock do not attempt to replace the steady lamps (that are non-replaceable) and or modify string. Replace burned-out individual flashing lamps promptly with individually flashing lamps only. Use		
5.17.4.3.8	A product which employs lamps with glass envelopes shall be marked as follows: "CAUTION — RISK OF ELECTRIC SHOCK. Do not use if outer lamp envelope is damaged or		N/A
5.17.4.4	Products employing load fittings or special connectors		Р
5.17.4.4.1	For products employing a load fitting and a 3 Amp overcurrent protection device, the product shall be marked within 76 mm (3 in) of the face of the load fitting with the following:		N/A
	"CAUTION – Do not overload. This product is rated W, Connect other decorative lighting products of the same type end-to-end up to a maximum of 216 Watts total."		
5.17.4.4.2	For products employing a load fitting and a 5 Amp overcurrent protection device, the product shall be marked within 76 mm (3 in) of the face of the load fitting with the following: "CAUTION – Do not overload. This product is rated W, Connect other decorative lighting products of the same type end-to-end up to a maximum of 432 Watts total."		N/A



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Clause	Requirement - Test	Result - Remark	Verdict
5.17.4.4.3	For products employing a load fitting and a 7 Amp overcurrent protection device, the product shall be marked within 76 mm (3 in) of the face of the load fitting with the following: "CAUTION – Do not overload. This product is rated W, Connect other decorative lighting products of the same type end-to-end up to a maximum of 600 Watts total."		N/A
5.17.4.4.4	For LVLE products employing a special connector, the product shall be marked within 76 mm (3 in) of the face of the load fitting with the following: "CAUTION — Do not overload. Connect up to of the same exact product end to end. Do not connect different products together."		N/A
5.17.4.4.5	For USB products employing a special connector, the product shall be marked within 76 mm (3 in) of the face of the load fitting with the following: "CAUTION — Do not overload. Connect up to of the same exact product end to end. Do not connect different products together."		N/A
5.17.4.4.6	For battery-operated products employing a special connector, the product shall be marked within 76 mm of the face of the load fitting with the following: "CAUTION — Do not overload. Connect up to of the same exact product end to end. Do not connect different products together."		N/A
5.17.4.4.7	For the purpose of Clauses 5.17.4.4.1 to 5.17.4.4.3, the input wattage rating shall be determined by multiplying 120 by the rated input current of the product.		N/A
5.17.4.4.8	For sectional light sculpture, the product shall be marked within 76 mm (3 in) of the face of the load fitting or special connector with the following marking which shall be visible during interconnection of its sections: "CAUTION: CONNECT ONLY OTHER SECTIONS OF THIS SCULPTURE."		Р
5.17.4.5	Tree stands		N/A
	The following markings shall be provided on motorized tree stands:		N/A
a)	The maximum tree height (based on testing) as "WARNING: Do not use with trees over m (ft)" or the equivalent.		N/A
b)	The maximum load weight (based on testing) as "WARNING: The fully decorated tree weight shall not exceed kg (lb)" or equivalent.		N/A
5.17.4.5.2	Tree stands not intended to have a reservoir to hold water shall employ the following marking: "CAUTION: Use only with an artificial tree. This stand does not contain a reservoir for water."		N/A
5.17.4.6	Ornaments		N/A





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5.17.4.6.1	The following marking shall be employed on an ornament "Disconnect the lighting string or decorative outfit from the outlet before removing a lamp and replacing it with the ornament." or equivalent.		N/A
5.17.4.6.2	Ornaments that are intended only for use with incandescent lighting strings in accordance with Clause 7.3.2.2.1 shall be marked "NOT FOR USE WITH LED LIGHTING STRINGS".		N/A
5.17.4.6.3	Ornaments that are intended only for use with LED lighting strings in accordance with Clause 7.3.2.2.2 shall be marked "NOT FOR USE WITH INCANDESCENT LIGHTING STRINGS".		N/A
5.17.4.7	A product with a LVLE power supply that is detachable shall be marked near the connection: "CAUTION: To reduce the risk of fire and electric shock, use only the power supply Model manufactured by that was provided with this product".		P
5.17.4.8	A product intended for outdoor use shall be marked "Do not place near standing areas of water, such as ponds and pools".		Р
5.17.4.9	A product employing fuse lamps shall be marked: "WARNING – Risk of fire: Do not replace, repair, or remove the fuse lamp contained in this product. Discard product if fuse lamp is defective, broken, or burnt out".		N/A
5.17.4.10	Product employing batteries		N/A
5.17.4.10. 1	A product employing replaceable batteries shall be plainly marked where visible during battery replacement to indicate the correct orientation and polarity of the batteries. The marking shall be a) a pictorial representation showing the proper orientation and polarity of the battery supply; or b) the words "positive" and "negative" or the signs "+" for positive and "-" for negative.		N/A
5.17.4.10. 2	A product employing rechargeable batteries intended to be replaced by the user shall be marked "CAUTION: Replace battery with (manufacturer, chemistry, voltage rating, mAH rating, and battery designation) only." A product with non-rechargeable batteries		N/A
	intended to be replaced by the user shall be marked with words or pictorial symbols for the type and size of batteries.		
5.17.4.10. 3	If providing the marking of Clause 5.17.4.10.2 on the product is not practical, the marking may be provided on a tag that will remain with the product unless removed by the user.		N/A





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Clause	Requirement - Test	Result - Remark	Verdict	
5.17.4.10. 4	A product employing replaceable batteries shall be plainly marked where visible during battery replacement with the following:		N/A	
	a) battery size designation;			
	b) the quantity of batteries required; and			
	c) the rated voltage of batteries			
5.17.4.10. 5	A rechargeable battery included with the product shall be marked with the following:		N/A	
	a) manufacturer;			
	b) chemistry;			
	c) voltage rating;			
	d) mAH rating; and			
	e) battery designation			
5.17.4.10. 6	For products with rechargeable battery and a USB input port, the rating in volts and amps of the proper USB power supply: "CAUTION: Use only with USB power supply rated 5 V, A."		N/A	
5.17.5	Carton/stuffer sheet/product/cord tag markings		Р	
5.17.5.1	Markings in this Clause shall be located on the retail carton, instruction sheet, or other stuffer sheet, or cord tag.		Р	
5.17.5.2	All products shall include the following instructions: "CAUTION"		Р	
	"To reduce the risk of fire and electric shock:		Р	
	a) Do not install on trees having needles, leaves or branch coverings of metal or materials which look like metal, and			
	b) Do not mount or support wires in a manner that can cut or damage wire insulation."			
5.17.5.3	Products that use skeleton-type lampholders shall employ the following marking:		N/A	
	"CAUTION — To reduce the risk of fire do not reposition either lampholder contact" or equivalent.			
5.17.5.4	Decorative covers sold separately and as part of a light string shall be marked "WARNING — Risk of Fire. These decorative covers are only intended for use with lighting string model no manufactured by"		N/A	
5.17.5.5	Ornaments		N/A	
5.17.5.5.1	Ornaments shall be provided with the following marking or equivalent where the blank indicates the approved voltage or voltage range for the ornament: "For use with a series-connected string or decorative outfit which employs voltage push-in type lamps only".		N/A	



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5.17.5.5.2	An electronic ornament shall include the following information: "Connect no more than three ornaments to each lighting string or decorative outfit." or equivalent, or comply with the requirements of the voltage drop test for electronically-operated ornaments, in Clause 7.3.2.10.		N/A
5.17.5.6	A series-connected product that employs a construction that allows the lamps in the same series circuit to operate without the lamps in place shall be marked as follows: "CAUTION — Do not operate with lamps missing from sockets. Missing lamps should be replaced promptly."		N/A
5.17.6	Retail packaging		Р
5.17.6.1	The retail packaging shall be marked with the following or equivalent as appropriate: a) "For indoor use only"; and b) "For indoor and outdoor use".	For indoor and outdoor use or equivalent.	Р
5.17.6.2	The marking shall comply with Clause 5.17.1.2b) and be on a high colour contrast background unless located on a poly bag.		Р
5.17.6.3 5.17.6.4	The retail packaging markings shall be placed a) on the front panel when in a retail box or container; b) on opposite sides of the bag when packaged only in a bag; c) on both sides of the header card when packaged in a bag attached to a header card; or d) on the front of the card for a blister card or other packaging that is a transparent or translucent material holding the product to a card.		P N/A
5.17.6.4	The retail packaging marking shall not be required for products without packaging rated for outdoor use.		N/A
5.18	Instruction manual		Р
5.18.1	General		Р



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Clause	Requirement - Test	Result - Remark	Verdict
5.18.1.1	All products covered by this Standard shall include instructions that are easily readable and contain the following:		Р
	a) warnings, cautions, or other notices indicating the risk of personal injury, risk of fire, or electric shock risk that arises with the use of the product;		
	b) how to use the product;c) how to install and assemble the product (if required);		
	d) how to replace lamps, fuses, and other serviceable parts that require maintenance;		
	e) proper storage methods;		
	f) other information that the manufacture determines necessary; and		
	g) the item, article, model, or catalog number of the product		
5.18.1.2	An instruction manual shall be provided for instructions in Clauses 5.18.2 to 5.18.4		Р
5.18.1.3	All markings in Clause 5.18 preceded by the word "CAUTION" or "WARNING" shall additionally be placed at the end of the instruction manual		Р
5.18.1.4	Several markings with the same signal word, such as "CAUTION" or "WARNING", may be combined into a marking		Р
5.18.2	Safety Instructions		Р
5.18.2.1	General		Р
5.18.2.1.1	Safety instructions shall be provided in the instruction manual to reduce the risk of personal injury, risk of fire, or electric shock		Р
5.18.2.1.2	The lettering of the instructions, including the text in illustrations specified in Clause 5.18.2.2, shall comply with the minimum letter height requirements		Р
5.18.2.2	Important safety instructions		Р
5.18.2.2.1	The following instructions shall be provided with all products except for those indicated in Annexes D and F		Р
5.18.2.2.2	The instructions in Table 5.12 shall be in the first part of the instructions manual and shall include all instructions related to personal injury, risk of fire, or electrical shock and precede all other operating and servicing instructions and shall be separate from all other instructions		Р
5.18.2.2.3	The phrase "READ AND FOLLOW ALL SAFETY INSTRUCTIONS" shall precede all the notices indicated in Table 5.12 and the phrase "SAVE THESE INSTRUCTIONS" shall be last. The safety instructions shown in Table 5.12 shall be in the text as indicated or in equivalent wording, unless		P
	an instruction conflicts with the product.		



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5.18.3.1	The use and care instructions from Table 5.13 shall be provided at a minimum. Each instruction from Table 5.13 shall start with "Use and Care Instruction" heading		Р
5.18.3.2	A product with series-connected lamps that uses a shunt external to the bulb or bulb/adaptor combination and utilizes a "fuse lamp" that is not intended to be replaced shall include information and warnings in the "Use and Care" section of the instruction manual regarding the special nature of the fuse lamp		P
5.18.4	User servicing instructions		Р
5.18.4.1	Servicing instructions shall be provided to indicate items such as fuse replacement, lamp replacement, or any other serviceable parts that do not introduce other risks		N/A
5.18.4.2.1	If the product contains replaceable fuses, directions shall be included in the instruction manual in a numbered list with the method of how to safely replace the fuse along with illustrations to aid in the replacement of the fuse. The heading "To Replace a Fuse" or equivalent shall be at the start of instructions		N/A
5.18.4.2.2	For products containing a replaceable fuse, the following instruction shall be provided: "Risk of fire. Replace fuse only with Amp, 125 Volt fuse"		N/A
5.18.4.2.3	For products containing a replaceable fuse in the attachment plug the following instruction shall be provided: "Risk of fire. Do not replace attachment plug. Contains a safety device (fuse) that shall not be removed. Discard product if attachment plug is damaged"		N/A
5.18.4.2.4	If the product contains replaceable series- connected lamps, directions shall be included in the instruction manual in a numbered list with the method of how to safely replace the lamps along with illustrations to aid in the replacement of the lamp. The heading "To Replace a Lamp" shall be provided at the start of instructions.		N/A
5.18.4.3.1	For products with series-connected replaceable lamps, the replacement lamp rating information shall be provided		N/A
5.18.4.3.2	For products with incandescent series-connected replaceable lamps with exchangeable bases, the method of exchanging the base on the new and old lamps shall be provided		N/A
5.18.4.3.3	For products of series-connected replaceable lamps that use a combination of steady and individual flashing lamps, instructions shall be provided that the two types of lamps shall not be exchanged and that the bases from one lamp shall not be used on the other type of lamp		N/A



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5.18.4.3.4	The appropriate markings of Clause 5.17.4.3 shall additionally be located in the "Lamp Replacement" section of the instruction manual		N/A
5.18.4.3.5	A series-connected decorative lighting product employing lamps not provided with lamp shunts that do not contain external lamp shunts, shall include the following in the instruction manual: "CAUTION — Risk of fire. This product does not contain lamp shunts, which allow the product to operate if one lamp burns out. Replace lamps only with the spare lamps provided with this product."		N/A
5.18.4.3.6	A product with series-connected lamps that uses a shunt external to the bulb or bulb/adaptor combination and uses bulbs without a shunt internal to the bulb shall contain the following or equivalent instruction: "CAUTION — Risk of fire. This product does not contain shunts inside the lamps. Replace lamps only with the spare lamps provided with this product."		N/A
5.18.4.3.7	The following or equivalent text shall be provided in the instructions of an ornament: "Prior to replacing a lamp with this ornament, disconnect power by unplugging the light string or decorative product from the outlet."		N/A
5.18.4.3.8	The "User Servicing Instruction" section of the instruction manual regarding the special nature of the fuse lamp and proper replacement for a product with series-connected lamps that uses a shunt external to the bulb or bulb/adaptor combination and a replaceable "fuse lamp"		N/A
5.18.4.4	A product utilizing a direct plug-in unit shall provide the following cautionary markings in the instruction manual: "CAUTION: Risk of fire, personal injury, or electric shock. 1) Use this product only with the included AC power adaptor. 2) If the AC power adaptor is broken or cracked, discard product."		Р
5.18.4.5	Instructions for products employing batteries		N/A
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Clause	Requirement - Test	Result - Remark	Verdict
5.18.4.5.1	A product with replaceable batteries shall provide in the instructions the following information:		N/A
	a) the battery size/designation;		
	b) how to replace the batteries;		
	c) to "Clean the battery contacts and also those of the device prior to battery installation";		
	d) when replacing multiple batteries, to replace the batteries as a set of new batteries;		
	e) operation of the product (switches, controls, and the like);		
	f) how to dispose of a used battery; and		
	g) battery charging (if rechargeable).		
5.18.4.5.2	The instructions for a product that contain batteries shall state the wording "Do not incinerate" or equivalent and that battery disposal should be in compliance with local regulations. The instructions shall include information regarding avoiding throwing the batteries in the garbage and the associated health risks to children of ingesting batteries (particularly button or coin batteries).		N/A
5.18.4.5.3	The instructions for a product that is not intended for use with rechargeable batteries shall include the wording "CAUTION: Do not use rechargeable batteries in this product		N/A
5.18.4.5.4	The instructions for a product with replaceable batteries shall include the following additional cautionary markings with "CAUTION:" as a heading: a) "Do not expose product to moisture."* b) "Do Not Mix Old and New Batteries."† c) "Do Not Mix Alkaline, Standard (Carbon-Zinc), Lithium, or Rechargeable (Nickel-Cadmium or Other Types) Batteries."† d) "Remove batteries when not used for an extended period of time, or when depleted". * When only rated for indoor use.		N/A
	† Only used if the product contains more than one battery		
5.18.4.5.5	The instructions for a product containing rechargeable batteries shall include the wording "The product contains rechargeable batteries; remove the batteries from the product before disposal."		N/A
5.18.5	Instructions for externally shunted products		N/A



	CSA C22.2 No. 37		
Clause	Requirement - Test	Result - Remark	Verdict
	A product with series-connected lamps that does not comply with the external shunt input test of Clause 6.4.4.3, shall not include the following on the packaging, product, or instructions or any other marketing literature:		N/A
	a) text, illustrations, photos, drawings, or pictures showing that the light string or product will remain in the lit condition when a lamp(s) is removed; or b) phrases or text that denotes that with the lamp(s) removed that the light string or product		
- 40.0	can still be used.		N 1/A
5.18.6	Instructions to connect multiple products		N/A
	The instruction manual shall contain specific instructions on how to connect additional products. These instructions shall be preceded by the heading "Connecting Sets End to End" or other equivalent wording. The instructions shall include, but are not limited to, the one described below:		N/A
	"When multiple products are connected together, do not exceed the lowest of the indicated maximum wattage on the cord tag near the connected product's receptacle."		
6	Decorative lighting strings		Р
6.1	Lampholders	Non-replaceable lamp used in LVLE circuit	Р
6.1.1.1	E5, E10, Non-replaceable or push-in type lampholder shall only be used in series-connected circuits or parallel-connected LVLE circuits		N/A
6.1.1.2	E12, E17, GU24 shall only be used in line voltage parallel-connected circuits		N/A
6.1.1.3	E26 or larger lampholder shall not be used in this standard		N/A
6.1.1.4	The opening in the lampholder through which the conductors or cord are routed shall be free of sharp edges, burrs, or fins.		N/A
6.1.2	Series-connected lampholders		Р
6.1.2.1.1	The lampholder suitable for use with midget screw base, miniature screw-base, non-replaceable, or push-in lamps shall	Non-replaceable lamp used in LVLE circuit	N/A
	a) comply with the lampholder crush test, Clause 6.4.3.5;		N/A
	b) have a temperature rating as required by the temperature test; and		N/A
	c) if the material is thermoplastic		N/A
	i) shall comply with the requirements in Clause 5.1.4.3.7; and		
0.4.0.1.5	ii) shall comply with the oven test, Clause 6.4.2.		
6.1.2.1.2	ANSI C81.63 shall be used to determine compliance of the screw shell of a midget- or miniature-screw lampholder.		N/A



	CSA C22.2 No. 37			
Clause	Requirement - Test	Result - Remark	Verdict	
6.1.2.1.3	To reduce the likelihood of loosening, twisting, or straining against electrical connections, a screw shell be fastened in place.		N/A	
6.1.2.1.4	Contacts of a series-connected lampholder shall comply with the secureness of lampholder contacts test of Clause 6.4.3.3, and shall be secured by positive means in the lampholder body to reduce the likelihood of their displacement.		N/A	
6.1.2.1.5	Three-wire lampholder not located in a LVLE circuit, shall have the electrical connections between two of the leads mechanically secured before being placed in the lampholder.		N/A	
6.1.2.2	Miniature screw-base (E10) lampholder		N/A	
	A miniature screw-base (E10) lampholder shall a) accommodate a screw-base that has 0.55 threads per millimetre and a nominal diameter of 9.5 mm; b) have a depth between 11.9 and 13.5 mm measured from the plane of the rim of the insulating body to the highest point of the fully depressed centre contact;		N/A	
	c) have a minimum spacing of 0.8 mm between parts of opposite polarity and live parts and accessible metal parts; and			
	d) prevent the articulate probe from contacting the lamp screw-base when the lamp which complies with Table 6.1 is fully seated in the lampholder.			
6.1.2.3	Midget screw-base (E5) lampholder		N/A	
	A midget screw-base (E5) lampholder shall		N/A	
	a) accommodate a screw-base that has 1 thread per millimetre and a nominal diameter of 4.8 mm;			
	b) have a minimum depth of 9.1 mm measured from the plane of the rim of the insulating body to the highest point of the fully depressed centre contact;			
	c) have a minimum spacing of 0.8 mm between parts of opposite polarity and live parts and grounded metal parts; and			
	d) prevent the articulate probe from contacting the lamp screw-base when the lamp complying with Table 6.1 is fully seated in the lampholder.			
6.1.2.4	Push-in lampholder		N/A	
6.1.2.4.1	The spacings at a push-in lampholder (limit: 0.8mm)		N/A	
6.1.2.4.2	The lamp shall be provided with a base, which secures the lamp into the lampholder by push-in friction fit, or by a latching mechanism.		N/A	
6.1.2.4.3	The lamp base and lampholder shall be constructed of the same material.		N/A	
6.1.2.5	Lampholders for non-replaceable lamps	Used in LVLE circuit suitable for outdoor use	N/A	



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Clause	Requirement - Test	Result - Remark	Verdict
	The spacings at non-replaceable lampholder (limit: 0.8mm)		N/A
6.1.2.6	Outdoor locations	Used in LVLE circuit suitable for outdoor use	N/A
6.1.2.6.1	A series-connected lampholder in a product for outdoor locations shall have contacts or a screw shell made of a minimum of 80% copper.		N/A
6.1.2.6.2	Lampholder body shall be UV rated		N/A
6.1.3	Parallel-connected lampholders		N/A
6.1.3.1	Parallel-connected lampholders shall comply with the requirements in Annex B		N/A
6.1.3.2	The screw shell of a lampholder directly supplied by the branch circuit shall be connected to the neutral grounded conductor		N/A
6.1.3.3	Lampholders employed in a product intended for outdoor use shall also comply with Clauses 6.1.2.6.1 and 6.1.2.6.2.		N/A
6.2	Series-connected strings — Supplementary requirements		N/A
6.2.1	A series-connected string shall accommodate a minimum of 8 miniature-base lamps or 10 push-in or midget-base lamps and shall not exceed the maximum current rating in Table 5.3A.		N/A
6.2.2	Serial connected strings with cord connectors shall not exceed 50% of the maximum current rating in Table 5.3A.		N/A
6.2.3	Half of the lamps shall be of the steady illuminating type in a series-connected string employing individual-flashing lamps.		N/A
6.2.4	Series-connected strings using miniature screw-base lamps shall be for indoor-use only.		N/A
6.3	Parallel-connected strings		N/A
6.3.1	A parallel-connected string shall a) employ only intermediate- or candelabra-screw lampholders; b) have a minimum of two lampholders:		N/A
	b) have a minimum of two lampholders;c) not exceed the maximum current rating in Table 5.3B;		
	d) employ switchless lampholders; and e) have lamps rated at a maximum of 7 W (0.058		
	A at 120 V).		_
6.3.2	Parallel-connected strings with cord connectors shall not exceed 50% of the maximum current rating in Table 5.3B.		N/A
6.3.3	The conductors of a parallel-connected string shall terminate in a lampholder, cord connector, or an enclosure which complies with the requirements for polymeric enclosures in Clause 5.1.4.3		N/A
6.4	Additional tests for products with series- connected lampholders		N/A
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Clause	Requirement - Test	Result - Remark	Verdic
6.4.1	General		N/A
6.4.2	Oven Test		N/A
6.4.3	Lampholder strain relief tests		N/A
6.4.3.1	Lead pull test		N/A
6.4.3.2	Lampholder conductor connection test		N/A
6.4.3.3	Lampholder contact security test		N/A
6.4.3.4	Strengthening member test		N/A
6.4.3.5	Lampholder crush test		N/A
6.4.3.6	Simulated lamp burnout test		N/A
6.4.4	Lamp temperature test for external shunted sets		N/A
6.4.5	Mechanical contact make and break test		N/A
6.4.6	External shunt input test		N/A
6.4.7	Series-connected lighting string rain test		N/A
6.4.8	Needle flame test		N/A
6.5	Additional tests for decorative lighting strings		N/A
6.5.1	Flexing		N/A
6.5.2	Temperature after flexing test		N/A
7	Decorative lighting outfits (silhouettes)		Р
7.1	General requirements		Р
7.1.1	Wiring device, switch, or lampholder, shall be prevented from any turning		Р
7.1.2	A wiring device, switch, lampholder, or over- current protective device shall be located within an Enclosure in such a manner as to not be accessible or exposed to tampering, or subject to damage during normal use.		N/A
7.1.3	Actuating means of a switch		N/A
7.1.4	The enclosure of an open-winding motor or transformer, splices, or wiring		N/A
7.1.5	Lampholders constructed of polymeric materials shall comply with Clause 5.1.4.3.7 and clause 6.1		N/A
7.1.6	An ornament shall be provided with a means for connection to the push-in lampholder		N/A
7.1.7	An ornament shall be provided with strain relief		N/A
7.1.8	For an outdoor-use decorative outfit provided with both lampholders and a decorative part such as a shade, diffuser, blow moulded figure, or the like, the decorative part shall be provided with a minimum 1/4 in (6.4 mm) diameter drain hole.		N/A
	A drain hole is not required for decorative covers used on series-connected strings with no more than two lampholders per cover.		
7.2	Additional requirements for decorative outfits		Р



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Clause	Requirement - Test	Result - Remark	Verdict
7.2.1.2	Maximum input current of a decorative outfit		Р
7.2.1.3	When a switched lampholder is employed in a decorative outfit, the product shall be suitable only for indoor use and the lampholder shall be sized to fit candelabra base or larger lamps.		N/A
7.2.1.4	Conductors of a decorative outfit shall be terminated in a lampholder, wiring device, or in an enclosure of a material in compliance with the requirements for polymeric enclosures		Р
7.2.1.5	For a rigid frame series-connected decorative outfit using a 20 AWG or less single conductor construction, the wires, lampholders, or combination of wires and lampholders, shall be secured to the frame every 76.2 mm (3 in) and shall have a maximum distance between the wire and frame of 12.7mm (1/2 in).		N/A
7.2.2	Light sculptures	LVLE circuit.	Р
7.2.2.1	All light sculptures shall be factory pre-wired and assembled or be a sectional light sculpture.		N/A
7.2.2.2- 7.2.2.4	Sectional light sculpture		N/A
7.2.2.5	A light sculpture that is animated, or intended to be folded or collapsed for storage, shall be provided with conductors of sufficient free length and the ability to move freely without stress to avoid damage to the conductor or insulation.		N/A
7.2.2.6	Electrical lighting components of a non-LVLE circuit shall be secured to the frame of light sculpture by dedicated polymeric clips		N/A
7.2.2.7	An outdoor ground-supported light sculpture		N/A
7.2.2.8	An animated light sculpture		N/A
7.2.3	Frame		Р
7.2.3.1	The frame of a light sculpture shall be polymeric material or metal coated with plastic		N/A
7.2.3.1	A frame of non-metallic material shall comply with the downward decorative part flammability test		N/A
7.2.3.4	Polymeric frame is employed		N/A
7.2.3.5	Type and thickness of insulating material used on a metallic frame shall be controlled.		N/A
7.2.3.6	A light sculpture employing metal frame shall be subjected to the leakage current test of Clause 5.8.2 and dielectric voltage-withstand test of Clause 5.8.7.		N/A
7.2.3.7	light sculpture supplied by a LVLE power supply.		Р
7.2.4	Flexing test for motorized devices		N/A
7.2.5	Slip-ring endurance test		N/A
7.2.6	Additional tests for motorized devices		N/A
7.3	Additional requirements for ornaments		N/A



	CSA C22.2 No. 37						
Clause	Requirement - Test	Result - Remark	Verdict				
8	Artificial trees and tree stands		N/A				
Annex A	Lamps for decorative lighting products		N/A				
Annex B	Parallel connected lampholders for decorative lighting products		N/A				
Annex C	Printed circuit boards		N/A				
Annex D	Flexible light cable systems (rope lights)		N/A				
Annex E	Markings — French translations		Р				
Annex F	String lights for year-round use		N/A				



Photo No. 1 and 2



Disassembled view for representative



Electrical parts view for representative





Internal view of splitter



Wire connector for representative





LED view for representative

Mounting hardware



Note: the quantity and shape may be various.



ANNEX II: Electrical ratings and product information

Model no.	Photo	Electrical ratings	Lamp numbers	Power supply	Product size W, D, H	with/wit hout stake
JYD24 001	J ôŸ	120V, 60Hz, 0.2A,12W	200	AED09- 02900200GQI P44	19*21*54" 16*16*36" 16*19*42"	With
	Figure	120V, 60Hz, 0.2A,12W	160 (90+70)	AED09- 02900200GQI P44	25.5*10.5*48" 35*12*22.5"	With
JYD24 002		120V, 60Hz, 0.2A,12W	160 (90+70)	AED09- 02900200GQI P44	25.5*10.5*48" 35*12*22.5"	With
		120V, 60Hz, 0.2A,12W	160 (90+70)	AED09- 02900200GQI P44	25.5*10.5*48" 35*12*22.5"	With
		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	26.5*11*54" 28*11*47" 17*6.5*29"	With
JYD24 004		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	26.5*11*54" 28*11*47" 17*6.5*29"	With
	AAT	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	26.5*11*54" 28*11*47" 17*6.5*29"	With
	A AMERICAN PROPERTY OF THE PARTY OF THE PART	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*15*58" 26.5*10.5*44" 18*7*29"	With
JYD24 007		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*15*58" 26.5*10.5*44" 18*7*29"	With
		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	30*13*56" 26*10*47" 17*8*28"	With



1		1	I	Report No	GZES250500867	1/31
JYD24 008		120V, 60Hz, 0.2A,12W	245 (115+95+ 35)	AED09- 02900200GQI P44	28*15.5*56" 27*11*46" 24*8*20"	With
JYD24		120V, 60Hz, 0.2A,12W	120	AED09- 02900200GQI P44	35*13*60"	With
009		120V, 60Hz, 0.2A,12W	120	AED09- 02900200GQI P44	35*13*60"	With
		120V, 60Hz, 0.2A,12W	125 (90+35)	AED09- 02900200GQI P44	38*11*36" 25*8*24"	With
JYD24 010		120V, 60Hz, 0.2A,12W	125 (90+35)	AED09- 02900200GQI P44	38*11*36" 25*8*24"	With
	MAN	120V, 60Hz, 0.2A,12W	125 (90+35)	AED09- 02900200GQI P44	38*11*36" 25*8*24"	With
JYD24		120V, 60Hz, 0.2A,12W	140 (70+50+2 0)	AED09- 02900200GQI P44	30*10*20" 24*8.5*16" 12*6.5*7"	With
013		120V, 60Hz, 0.2A,12W	140 (70+50+2 0)	AED09- 02900200GQI P44	30*10*20" 24*8.5*16" 12*6.5*7"	With
JYD24		120V, 60Hz, 0.2A,12W	140 (100+40)	AED09- 02900200GQI P44	29.5*15.5*28" 10*10*15.5"	With
014		120V, 60Hz, 0.2A,12W	140 (100+40)	AED09- 02900200GQI P44	29.5*15.5*28" 10*10*15.5"	With
JYD24 017	No. of the second secon	120V, 60Hz, 0.2A,12W	105	AED09- 02900200GQI P44	27*15*56"	With





JYD24 018	120V, 60Hz, 0.2A,12W	200	AED09- 02900200GQI P44	48*18.5*102"	With
JYD24	120V, 60Hz, 0.25A, 15W	360 (150+120 +90)	AED09- 02900300GQI P44	31*13*60" 31*13*53" 23*10*36"	With
019	120V, 60Hz, 0.25A, 15W	360 (150+120 +90)	AED09- 02900300GQI P44	31*13*60" 31*13*53" 23*10*36"	With
JYD24 021	120V, 60Hz, 0.2A,12W	165 (90+75)	AED09- 02900200GQI P44	72*11*71" 19*7.5*33" 22.5*7.5*33" 18*7*18"	With
	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	25*12*57" 26*10.5*47" 17*7.25*28"	With
JYD24 022	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	25*12*57" 26*10.5*47" 17*7.25*28"	With
	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	25*12*57" 26*10.5*47" 17*7.25*28"	With
JYD25 023	120V, 60Hz, 0.2A,6W	140 (50+50+4 0)	AED06H- 0351000VLSO 8	48*5.5*48"	Without

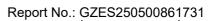


		120V, 60Hz, 0.2A,6W	140 (50+50+4 0)	AED06H- 0351000VLSO 8	48*5.5*48"	Without
		120V, 60Hz, 0.2A,6W	140 (50+50+4 0)	AED06H- 0351000VLSO 8	48*5.5*48""	Without
		120V, 60Hz, 0.2A,6W	115 (42+42+3 1)	AED06H- 0351000VLSO 8	82*56*16.5"	With
JYD25 024		120V, 60Hz, 0.2A,6W	115 (42+42+3 1)	AED06H- 0351000VLSO 8	82*56*16.5"	With
	The second second	120V, 60Hz, 0.2A,6W	115 (42+42+3 1)	AED06H- 0351000VLSO 8	82*56*16.5"	With
JYD25 025		120V, 60Hz, 0.2A,6W	90 (64+26)	AED06H- 0351000VLSO 8	50*24*H15"	With
JYD25		120V, 60Hz, 0.2A,12W	85 (55+30)	AED09- 02900200GQI P44	38*13*35" 24*6*25"	With
026		120V, 60Hz, 0.2A,12W	85 (55+30)	AED09- 02900200GQI P44	38*13*35" 24*6*25"	With



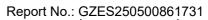


		120V, 60Hz, 0.2A,12W	85 (55+30)	AED09- 02900200GQI P44	38*13*35" 24*6*25"	With
		120V, 60Hz, 0.25A, 15W	340(150+1 20+70)	AED09- 02900300GQI P44	36*13*78" 39*14*63" 24*10*42"	With
JYD25 027	TANK.	120V, 60Hz, 0.25A, 15W	340(150+1 20+70)	AED09- 02900300GQI P44	36*13*78" 39*14*63" 24*10*42"	With
		120V, 60Hz, 0.25A, 15W	340(150+1 20+70)	AED09- 02900300GQI P44	36*13*78" 39*14*63" 24*10*42"	With
		120V, 60Hz, 0.2A,12W	160 (67+58+3 5)	AED09- 02900200GQI P44	28*9*60" 30*9*52" 19*7*36"	With
JYD25 028		120V, 60Hz, 0.2A,12W	160 (67+58+3 5)	AED09- 02900200GQI P44	28*9*60" 30*9*52" 19*7*36"	With
		120V, 60Hz, 0.2A,12W	160 (67+58+3 5)	AED09- 02900200GQI P44	28*9*60" 30*9*52" 19*7*36"	With
JYD25 029		120V, 60Hz, 0.2A,12W	245(105+7 0+35+35)	AED09- 02900200GQI P44	29*15*58" 26.5*10.5*44" 18*7*30" 24*8*20"	With





1	ı		İ	report No	GZE323030000	1731
		120V, 60Hz, 0.2A,12W	245(105+7 0+35+35)	AED09- 02900200GQI P44	29*15*58" 26.5*10.5*44" 18*7*30" 24*8*20"	With
		120V, 60Hz, 0.2A,12W	245(105+7 0+35+35)	AED09- 02900200GQI P44	29*15*58" 26.5*10.5*44" 18*7*30" 24*8*20"	With
JYD25 030		120V, 60Hz, 0.2A,12W	60	AED09- 02900200GQI P44	11*11*61.5"	With
JYD25 031		120V, 60Hz, 0.2A,12W	130 (70+30+3 0)	AED09- 02900200GQI P44	40*8*48"	With
JYD25 032		120V, 60Hz, 0.25A, 15W	340 (150+120 +70)	AED09- 02900300GQI P44	37*12*80" 35*13*60" 25*9*40"	With
JYD25 033		120V, 60Hz, 0.2A,12W	115	AED09- 02900200GQI P44	24*11*48"	With
JYD25 034		120V, 60Hz, 0.2A,12W	75	AED09- 02900200GQI P44	22*4.5*36"	Without
JYD25 035		120V, 60Hz, 0.2A,12W	105	AED09- 02900200GQI P44	30*5*48"	Without





1	<u> </u>		Ì	report No	GZE323030000	1751
JYD25 036		120V, 60Hz, 0.2A,12W	135	AED09- 02900200GQI P44	32*15*60"	With
JYD25 037		120V, 60Hz, 0.2A,12W	160 (42+73+4 5	AED09- 02900200GQI P44	J:18.5*10*28" O:24*10*36" Y:24*10*28"	With
		120V, 60Hz, 0.2A,4W	45 (38+7RG B)	AED06H- 0350500VLSO 8	23*9*26"	With
JYD25		120V, 60Hz, 0.2A,4W	45 (38+7RG B)	AED06H- 0350500VLSO 8	23*9*26"	With
038		120V, 60Hz, 0.2A,4W	45 (38+7RG B)	AED06H- 0350500VLSO 8	23*9*26"	With
		120V, 60Hz, 0.2A,4W	45 (38+7RG B)	AED06H- 0350500VLSO 8	23*9*26"	With
JYD25 039	A A A	120V, 60Hz, 0.2A,12W	160 (67+58+3 5)	AED09- 02900200GQI P44	28.5*8*60" 28.5*8*48" 18.5*7*34"	With
JYD25 040		120V, 60Hz, 0.2A,12W	130	AED09- 02900200GQI P44	24*37*60"	With

Report No.: GZES250500861731 128 AED06H-120V, 60Hz, (44+44+4 0351000VLSO 36*4.5*36" Without 0.2A,6W 8 0) 128 AED06H-JYD25 120V, 60Hz, (44+44+4 Without 0351000VLSO 36*4.5*36" 041 0.2A,6W 0) 128 AED06H-120V, 60Hz, (44+44+4 0351000VLSO 36*4.5*36" Without 0.2A,6W 0) 8 158 AED06H-120V, 60Hz, (56+56+4 0351000VLSO 48*5.5*48" Without 0.2A,6W 8 6) 158 AED06H-JYD25 120V, 60Hz, (56+56+4 0351000VLSO 48*5.5*48" Without 042 0.2A,6W 6) 158 AED06H-120V, 60Hz, (56+56+4 0351000VLSO 48*5.5*48" Without 0.2A,6W 6) 185 AED09-120V, 60Hz, 27*27*35" (100+85 02900200GQI With 0.2A,12W 22.5*22.5*30" P44) JYD25 043

	Pag	ie	61	of	67
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120V, 60Hz,

0.2A,12W

185

(100+85

)

AED09-

02900200GQI

P44

27*27*35"

22.5*22.5*30"

With



1			Ì	ı	 	
		120V, 60Hz, 0.2A,12W	185 (100+85)	120V, 60Hz, 0.2A,12W	27*27*35" 22.5*22.5*30"	With
		120V, 60Hz, 0.2A,12W	185 (100+85)	120V, 60Hz, 0.2A,12W	27*27*35" 22.5*22.5*30"	With
		120V, 60Hz, 0.2A,6W	91 (30+30+3 1)	AED06H- 0351000VLSO 8	36*4.5*36"	Without
JYD25 044		120V, 60Hz, 0.2A,6W	91 (30+30+3 1)	AED06H- 0351000VLSO 8	36*4.5*36"	Without
		120V, 60Hz, 0.2A,6W	91 (30+30+3 1)	AED06H- 0351000VLSO 8	36*4.5*36"	Without
JYD25 045		120V, 60Hz, 0.2A,2W	35	AED06H- 0350350VLSO 8	35*17*9" 24*14*6"	Without
JYD25 046	**	120V, 60Hz, 0.2A,6W	90 (27+27+3 6)	AED06H- 0351000VLSO 8	52*4*44"	Without
JYD25 047	****	120V, 60Hz, 0.2A,6W	45+35	AED06H- 0351000VLSO 8	22*8*32" 22*8*26.5"	With



ı			I	report No	GZES25050086°	1/31
		120V, 60Hz, 0.2A,6W	45+35	AED06H- 0351000VLSO 8	22*8*32" 22*8*26.5"	With
JYD25		120V, 60Hz, 0.2A,12W	245 (108+87+ 50)	AED09- 02900200GQI P44	24*10*54" 24*10*44" 17*8*30.5"	With
048		120V, 60Hz, 0.2A,12W	245 (108+87+ 50)	AED09- 02900200GQI P44	24*10*54" 24*10*44" 17*8*30.5"	With
	Mercy Christian with a stands	120V, 60Hz, 0.2A,12W	110+90	AED06FH- 2900200VLSO 8	32*32*36" 22*22*31"	With
JYD25	Mary Caroling	120V, 60Hz, 0.2A,12W	110+90	AED06FH- 2900200VLSO 8	32*32*36" 22*22*31"	With
049	Chagan Chaga	120V, 60Hz, 0.2A,12W	110+90	AED06FH- 2900200VLSO 8	32*32*36" 22*22*31"	With
	Christing Christing	120V, 60Hz, 0.2A,12W	110+90	AED06FH- 2900200VLSO 8	32*32*36" 22*22*31"	With



			i	Report No	GZES25050086	1/31
JYD25 050		120V, 60Hz, 0.2A,12W	110+90+90	AED06FH- 2900200VLSO 8	32*32*36" 22*22*31" 22*22*31"	With
JYD25 051	Only Only of	120V, 60Hz, 0.6A,18W	110+110+9 0+90	AED12FH- 2900400VLSO 8	32*32*36" 32*32*36" 22*22*31" 22*22*31"	With
JYD25 052		120V, 60Hz, 0.2A,6W	80(32+48	AED06H- 0351000VLSO 8	23*10*41"	With
JYD25 053		120V, 60Hz, 0.2A,2W	30	AED06H- 0350350VLSO 8	36*21*8" 36*21*7"	With
JYD25		120V, 60Hz, 0.2A,6W	90(27+27+ 36)	AED06H- 0351000VLSO 8	55*4*46"	Without
054		120V, 60Hz, 0.2A,6W	90(27+27+ 36)	AED06H- 0351000VLSO 8	55*4*46"	Without
JYD25 055		120V, 60Hz, 0.2A,4W	40(17+23)	AED06H- 0350500VLSO 8	28*13*36"	With





1 1			Report No.: GZES250500861731				
JYD25 056		120V, 60Hz, 0.2A,6W	50+25	AED06H- 0351000VLSO 8	19*19*36" 12*12*23"	With	
JYD25 057	TOY	120V, 60Hz, 0.2A,6W	135 (39+54+4 2)	AED06H- 0351000VLSO 8	J:16.5*10*28. 5" O:22.5*10*26 " Y:22*10*28.5	With	
JYD25 058		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*12*58" 26*12*46" 16*7*29"	With	
		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*12*58" 26*12*46" 16*7*29"	With	
		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*12*58" 26*12*46" 16*7*29"	With	
		120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*12*58" 26*12*46" 16*7*29"	With	
JYD25 059		120V, 60Hz, 0.2A,6W	160 (90+70)	AED06H- 0351000VLSO 8	26*11*52" 34*12*23"	With	
JYD25 060	AN'INA	120V, 60Hz, 0.2A,6W	70 (30+25+1 5)	AED06H- 0351000VLSO 8	16*18*28" 12*8*23" 8*3*13"	With	





ı			Report No.: GZES250500861731			
		120V, 60Hz, 0.2A,6W	70 (30+25+1 5)	AED06H- 0351000VLSO 8	16*18*28" 12*8*23" 8*3*13"	With
	The state of the s	120V, 60Hz, 0.2A,6W	70 (30+25+1 5)	AED06H- 0351000VLSO 8	16*18*28" 12*8*23" 8*3*13"	With
JYD25 061		120V, 60Hz, 0.2A,12W	155 (105+50)	AED09- 02900200GQI P44	58*15*60" 39*7*34"	With
JYD25 062		120V, 60Hz, 0.2A,6W	170	AED06H- 0351000VLSO 8	L: 23*19*54" M: 20*18*42" S:19*16*35"	With
JYD25 063	jöş	120V, 60Hz, 0.2A,6W	135 (60+50+2 5)	AED06H- 0351000VLSO 8	19*19*38" 19*19*38" 14*14*25"	With
		120V, 60Hz, 0.2A,12W	145(60+50 +35)	AED09- 02900200GQI P44	22.5*8*48" 22.5*8*40" 15.5*4.5*28"	With
JYD25 064		120V, 60Hz, 0.2A,12W	145(60+50 +35)	AED09- 02900200GQI P44	22.5*8*48" 22.5*8*40" 15.5*4.5*28"	With
		120V, 60Hz, 0.2A,12W	145(60+50 +35)	AED09- 02900200GQI P44	22.5*8*48" 22.5*8*40" 15.5*4.5*28"	With



1	,		İ	1 Report No.:	GZL323030000	1701
JYD25 065		120V, 60Hz, 0.2A,12W	145(60+50 +35)	AED09- 02900200GQI P44	22*6*48" 22*7*40" 15*5*27"	With
JYD25 066		120V, 60Hz, 0.2A,12W	160 (67+58+3 5)	AED09- 02900200GQI P44	29*10*63" 30*9*52" 18*7.5*34"	With
JYD25 067	PATT.	120V, 60Hz, 0.2A,6W	90 (64+26)	AED06H- 0351000VLSO 8	52*24*15"	With
		120V, 60Hz, 0.2A,6W	90 (64+26)	AED06H- 0351000VLSO 8	52*24*15"	With
JYD25 068		120V, 60Hz, 0.25A, 15W	270 (100+85+ 85) 闪泡 5:1	AED09- 02900300GQI P44	27*27*35" 22.5*22.5*30" 22.5*22.5*30"	With
JYD25 069	Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes Janes	120V, 60Hz, 0.2A,12W	210 (105+70+ 35)	AED09- 02900200GQI P44	29*12*58" 26*12*46" 16*7*29"	With
JYD25 070		120V, 60Hz, 0.2A,6W	150 (70+45+3 5)	AED06H- 0351000VLSO 8	22*8*32" 22*8*26.5" 34*8*45"	With

---End of report---