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Inspections at your plant will be conducted by the Inspection Center in your vicinity. More information on Follow-up Service Inspections can be found at <https://www.ul.com/resources/follow-up-services-additional-resources>.

PLEASE NOTE: YOU ARE NOT AUTHORIZED TO SHIP ANY PRODUCTS BEARING ANY UL MARKS UNTIL THE INITIAL PRODUCTION INSPECTION HAS BEEN SUCCESSFULLY CONDUCTED BY THE UL FIELD REPRESENTATIVE.

An Initial Production Inspection (IPI) is an inspection that must be conducted prior to the first shipment of products bearing the UL Mark. This is to ensure that products being manufactured are in accordance with UL's requirements including the Follow-Up Service Procedure. After the UL Representative has verified compliance of your product(s), authorization will be granted for shipment of product(s) bearing the appropriate UL Marks as denoted in the Procedure.

Marks as needed may be obtained from UL Label Centers. To find a Label Center in your vicinity, visit <https://marks.ul.com/about/ul-listing-and-classification-marks/labels/label-centers>.

Please note, Follow-Up Procedure Revisions or Report Revisions do not include Authorization Pages, Indices, Section General, and/or Appendices unless revisions were required or requested.

Should you have any questions, after reviewing the material, or need to report any inaccuracies, please reach out to your UL representative or find UL contact details for your local Customer Service Department at <https://www.ul.com/about/locations>.

Please find attached the related material

For your convenience, the below describes the related updates:

For revised/new documentation, please reference 2020-12-18 in the page headings.

E516529-Vol1-AuthorizationPage
E516529-vol1-Index
E516529-20201218-Description
Figure-1-Total
Illustration-3-Total

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Times change, Trust Remains™



File E516529

Vol 1

Authorization Page 1

Issued: 2020-12-21

Revised: 2020-12-22

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

OUTFITS, DECORATIVE, LOW VOLTAGE
(DGXZ)

Manufacturer:	SEE ADDENDUM FOR MANUFACTURER LOCATIONS
Applicant:	████████████████████ ██ ██ ████████████████████ CN
	2372996 (Party Site) SAME AS APPLICANT

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following web-site: <http://www.ul.com/fus>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at <http://www.ul.com/aboutul/locations/>, select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: <http://services.ul.com/fus-service-terms>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body.

Bruce A. Mahrenholz
Director
Conformity Assessment Programs (CPO)
UL LLC

LOCATION

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] CN

Factory ID: None

UL Contracting Party for above site is: UL GmbH

INDEX

Model No.	Sec. No.	USL/CNL
Low Voltage Decorative Outfits, non-replaceable lamps, Models HG Series, for Indoor and Outdoor Use.	1	USL

File E516529
Project 4789547327

December 18, 2020

REPORT

on

OUTFITS, DECORATIVE, LOW VOLTAGE

Linhai Hengguang Lighting Ltd.
Zhejiang, China

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DESCRIPTION

PRODUCT COVERED:

Low Voltage Decorative outfits, Models HG series, for indoor and outdoor use.

ELECTRICAL RATINGS:

All products are rated 120 V, 60 Hz. See Table 1 for additional ratings.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD ENGINEER'S USE):

These products are for use with a maximum input voltage rating of 120 V, 60 Hz, and are for temporary use, which is a period of installation and use not exceeding 90 days.

These products have been evaluated to the Standard for Safety of Seasonal and Holiday Decorative Products, UL 588, 19th Edition.

These products consist of Listed DHAC low voltage decorative lighting strings employing non-replaceable lamps with decorative covers.

NOMENCLATURE:

<u>HG-12V30C</u>	<u>08</u>
A	B

Where:

A: Cat. No. of Lighting String.

B: Cat. No. of covers. See Table 2 for details.

Table 1

Model No.	Cat. No. of Lighting String	No. of Lamps	Input Current, A	Input Power, W
HG-6V*#C02	HG-6V*#C	30-240	0.117	7.7
HG-12V*#C02	HG-12V*#C	30-200	0.126	7.5
HG-29V*#C02	HG-29V*#C	30-300	0.072	4.2
HG-29V*#02	HG-29V*#			
HG-29V*#C02	HG-29V*#C	310-600	0.118	7.3
HG-29V*#02	HG-29V*#			
HG-29V*#C02	HG-29V*#C	610-1000	0.153	10.4
HG-29V*#02	HG-29V*#			
HG-29V*#C02	HG-29V*#C	1010-2000	0.22	14.0
HG-29V*#02	HG-29V*#			

Notes for Table 1:

1. "*" in the Model No./Cat. No. shall be replaced by the "No. of Lamps".
2. "#" in the Model No./Cat. No. may be "B", "C", "W" or blank.
"B" represents icicle light feature; "C" represents curtain light feature; "W" represents net light feature; blank represents straight light feature.
3. "C" may be replaced by blank. "C" for string with controller or blank for string without controller.
4. "02" may be replaced by other Cat. No. of covers listed in Table 2.

Table 2

Cat. No. of Cover	Overall Dimensions, cm	Material	Ventilating Type	Ill. No.
02	3.9 x 3.9 x 0.8	Plastic	Enclosed	3
03	4.6 x 3.5 x 1.3	Plastic	Enclosed	
04	1.9 x 1.9 x 2.4	Plastic	Enclosed	
05	2.0 x 2.0 x 7.9	Plastic	Enclosed	
06	2.33 x 2.33 x 3.0	Plastic	Enclosed	
07	3.6 x 5.0 x 0.9	Plastic	Enclosed	
08	4.6 x 4.6 x 0.5	Plastic	Enclosed	
09	4.55 x 4.55 x 0.55	Plastic	Enclosed	
10	5.0 x 5.1 x 0.4	Plastic	Enclosed	

MARKING:

The height of lettering of the required markings shall be as follows:

- a) Uppercase letters shall not be less than 1/12 in (2.1 mm) in height.
- b) Lowercase letters shall not be less than 1/16 in (1.6 mm) in height.
- c) The words "CAUTION" and "WARNING" shall be in letters not less than 3/16 in (4.8 mm) in height.

The required markings shall be legible and shall comply with the following:

The marking shall be indelibly stamped or printed black on a white PGIS2 that complies with UL 588 or UL 817 flag-type tag with adhesive back.

Cord Tag Markings - Markings located on a tag as described below may continue on the second side of the tag, such that when the first side is read completely, the tag is to be turned over to read the remainder of the marking. 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." The word "CAUTION" may appear only once at the beginning of the marking, followed by a numbered list.

See Ill. 1 for the wording and layout of the Cord Tag. The Cord Tag shall be filled in appropriately according to the notes in Ill. 1. The markings shall be located on a tag attached to the product within 6 inches (152.4 mm) of the face of the power supply.

PACKAGING MARKINGS:

Each individual carton or container in which a product is packaged shall be marked, where readily visible without opening the package with the following or the equivalent:

"For Indoor and Outdoor Use", "Indoor and Outdoor Use", or "Indoor and Outdoor" when the product is intended for indoor and outdoor use.

The location of the Markings shall comply with one of the following:

- a) When packaged in a carton, the Marking shall appear on the outside front cover.
- b) When packaged in a bag, the Marking shall appear on two opposing sides of the bag. If the bag is opaque the letters shall be printed on a high contrast background. If the bag is transparent, the letters shall be printed in black on a white opaque background.
- c) When packaged in a bag attached to a piece of cardboard, the Marking shall appear on both sides of the cardboard.
- d) When packaged in a transparent polymeric covering attached to cardboard, the Marking shall appear on the front of the package, on the cardboard.

The height of lettering of the above required Markings shall be as follows:

- a) Upper case letters shall not be less than 1/12 inch (2.1 mm) in height.
- b) Lower case letters shall not be less than 1/16 inch (1.6 mm) in height.

The required Markings shall be legible and the letters shall be on a high contrast background except when packaged in a transparent bag, in which case, the letters shall be printed in black on a white opaque background.

The required Marking shall be durable, legible, and permanent. A Marking shall be considered permanent if it is indelibly stamped or printed on the packaging or on a pressure sensitive adhesive-backed label.

INSTRUCTION MANUAL:

The height of the lettering in the text and illustrations of the instructions specified below shall be as follows:

- a) Upper case letter shall not be less than 1/12 inch (2.1 mm) in height.
- b) Lower case letters shall not be less than 1/16 inch (1.6 mm) in height.
- 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.

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.

The following instructions shall be provided on a stuffer sheet, on the outside surface of the carton of the product or in an instruction manual of the product:

See Ill. 2 for the wording and layout of the Instruction Manual. The Instruction Manual shall have the Model number of the product or products, which it covers.

LOW VOLTAGE DECORATIVE OUTFIT
INDOOR AND OUTDOOR USE
MODEL HG-12V30C08

FIG. 1

General - Fig. 1 shows an overall view of Model HG-12V30C08. Also represents all models covered in this section.

1. Lighting Strings - Listed (DHAC) low voltage decorative lighting strings, Cat. No. HG series, manufactured by Linhai Hengguang Lighting Ltd. (E516528), with non-replaceable lamps, see Table 1 for details of string Cat. No.
2. Decorative Covers - Formed of plastic material which complies with the Downward Burning Rate Test. One provided over each lamp, secured to lampholder by physical fit. See Table 2 for details.
3. Cord Tag - PGIS2, Marking and Labeling System identified as complying with UL 817 or UL 588 requirements, and indoor and outdoor use. 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. For required markings, letter height and location, see construction details, markings.

A photograph of a string of white star-shaped Christmas lights. The lights are connected to a white remote control unit with a black knob and a black power adapter. The remote control has a label with various settings: COMB, WITH, REMOTE, IN, WAVE, CONTROL, SEQUENTIAL, SLO-GL, CHASING FLASH, SLOW FADE, TWINKLE FLASH, and STEADY ON. The power adapter has a label with technical specifications and a UL logo. The string of lights is coiled and features white star-shaped bulbs.



The following Page(s) are related to Illustration-1. The next supplement, if applicable, will be identified with a new Supplement Page Heading

Indoor and Outdoor Use – tag to be located within 6 inches (152.4 mm) of the exit of the power supply.

Cord Tag. # SO1 – Indoor and Outdoor Use, Class 2 power supply, non-replaceable lamps::

<div>CAUTION</div> <div>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 string.</div> <div>See other side</div>	<div>Continued from other side</div> <div>5. To reduce the risk of fire and electric shock, use only the power supply Model (i) mfd. by (j) that was provided with this product. 6. 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. 7. Replace only with (k) type batteries.</div> <div>E (c) Model (d), 120 V, 60 Hz, (e) A, (f) Watts, (g) (h)</div>
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Note: Item 7 is only required when the remote control is provided.

Notes – applies to all markings above:

1. The blank (c) shall be filled in with the File No., Listee name or trademark.
2. The blank (d) shall be filled in with a distinctive catalog number.
3. The blank (e) shall be filled in with the rated input current.
4. The blank (f) shall be filled in with the rated input wattage.
5. The blank (g) shall be filled in with the date code of manufacture.
6. The blank (h) shall be filled in with the factory ID code, as indicated in Authorization Page.
7. The blank (i) shall be filled in with the Model No. of the power supply provided with the product.
8. The blank (j) shall be filled in with the Listee name of the power supply provided with the product.
9. The blank (k) shall be filled in with the appropriate size and type of battery, for example: AA Carbon-Zinc.
10. The wording "For temporary (90 days max) installation and use only." may be replaced by "This seasonal product is not intended for permanent installation."

The following Page(s) are related to Illustration-2. The next supplement, if applicable, will be identified with a new Supplement Page Heading

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, fireplace, 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, 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.
- l) 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.






n) **SAVE THESE INSTRUCTIONS**

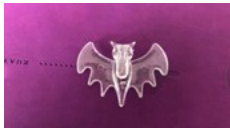



Use and Care Instructions

- 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 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 tree, 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.

Model No. _____

The following Page(s) are related to Illustration-3. The next supplement, if applicable, will be identified with a new Supplement Page Heading

Cat. No.	Photo	Overall Dimensions, cm
02		3.9 x 3.9 x 0.8
03		4.6 x 3.5 x 1.3
04		1.9 x 1.9 x 2.4
05		2.0 x 2.0 x 7.9
06		2.33 x 2.33 x 3.0

Cat. No.	Photo	Overall Dimensions, cm
07		3.6 x 5.0 x 0.9
08		4.6 x 4.6 x 0.5
09		4.55 x 4.55 x 0.55
10		5.0 x 5.1 x 0.4

