

MOST RECENT U.L. FILE
2-17-2011

File E229284
Project 02ME12727

2002-10-24

REPORT

on

LANDSCAPE LIGHTING SYSTEMS, LOW VOLTAGE

Cast Lighting LLC
Hawthorne, NJ

Copyright © 2002 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce this Report provided it is reproduced in its entirety.

DESCRIPTION

PRODUCT COVERED:

*USL, CNL - Low voltage landscape luminaires. Well Light Models CWLR1CB, CWLG1CB, CWLWFLLEAD, CWLWFL, CWLNOLAMP, CWLWFLLEAD20W, Models CWLMR16, and CWLMR16G; Small Mushroom Models CMU1CB and CMU13CB; Bullet Light Models CBL1CB, CBAL1CB, and CBL5CB; Pathway Lighting Models CMU1CB (Small Mushroom), CMU2CB (Large Mushroom), CCH5CB (MINI CHINA HAT), CCH1CB (Small China Hat), CCH2CB (Large China Hat), CNO1CB (New Orleans), CNO13CB (NEW ORLEANS FLOOR MOUNT), CCH13CB (SMALL CHINA HAT FLOOR MOUNT); Small Niche Model CNL1CB; Bullet Light Model CTLIC; Bronze Deck Light Model CDL1CB; Pathway Lighting Model CSA1CB (Savannah); Deck Lite Model CDL2CB; Wall Wash Light Model CWW1CB and WALL LIGHT Models CEWL5CB, CEWL6CB; Pathway Light Models CW7CB, CWL8CB, and CWL9CB; Step Lite / Brick Lite Model CSL1CB.

USL - Low voltage landscape luminaires. Bullet Lite Model CBL2CB.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE)

*USL indicates product **investigated using** the Standard for Low Voltage Landscape Lighting System, UL 1838, and the United States country specific requirements.

*CNL indicates product **investigated using** the Canadian National Standard for General Requirements for Luminaires, CSA C22.2 No. 9.0, Landscape Lighting Systems, TIL B-58B, **Extra-Low voltage Landscape Lighting Systems, CSA C22.2 no. 250.7** and the Canadian country-specific requirements.

GENERAL:

These products comply with the applicable requirements in Section General and with the following description.

All components of products bearing the C-UL mark shall be Listed or Recognized for Canada or CSA Certified, in addition to being UL Listed or Recognized.

CONSTRUCTION DETAILS:

The products covered shall be constructed in accordance with the following descriptions. A summary of them is given in the following pages.

Corrosion Protection - All ferrous metal parts shall be protected against corrosion by plating, painting, or the equivalent.

Secondary Wiring - All wiring external to the luminaire shall be Type SPT-3, rated min 18 AWG, suitable for wet locations, sunlight resistant and suitable for direct burial. The luminaire may be provided with Type SPT-1W wire suitable for outdoor use provided the wiring extends maximum 3 inches from the luminaire for connection to the main secondary wire.

Internal Wire Connections - If provided, shall be Listed, suitable for the number and size of wires to be connected; crimp connectors are secured using tools recommended by the manufacturer.

External Wire Connectors - If provided, shall be Listed waterproof type, suitable for the number and size of wires to be connected; crimp connectors are secured using tools recommended by the manufacturer.

Wireways - The wire enclosure shall be free from burrs, fins and other sharp edges that can come in contact with wires.

Cast Metal - The minimum thickness of cast metal shall be as follows:

Metal	At un-reinforced areas exceeding 35 square inches (226 cm ²)		At all other areas	
	Inch	(mm)	Inch	(mm)
Die-cast metal	5/64	2.0	3/64	1.2
Cast malleable iron or permanent mold cast aluminum	3/32	2.4	1/16	1.6
Other cast metal	1/8	3.2	3/32	2.4

MARKINGS:

Marking shall be in accordance with Section General and as noted below.

INSTALLATION INSTRUCTIONS:

The installation instructions shall be in accordance with the Sec. Gen. and for an example see Ill. 6.