

SPECIFICATIONS

LAND MASTER® STEP LIGHT LANDSCAPE LIGHT

Updated: 2 Jan 2024

1.0 DESCRIPTION

- A. Branding.** LAND MASTER® LIGHTING is a product line of landscape lighting products designed and manufactured by AQUAMASTER® FOUNTAINS AND AERATORS.
- B. Light** shall consist of a replaceable light engine which snaps into a housing with an accompanying pigtail whip cable for supplying power.
- C. Light Engine** shall consist of a LED and driver circuit potted in an injection molded clear lens. Each light engine has a two “pogo” style spring terminals which make electrical contact with pads in the housing.
- D. Housing** shall consist of an injection molded plastic body which has potted into it a small electrical circuit board which forms the electrical contacts for the light engine. An accompanying cable shall be fed into a back and forth trap in the back of the housing and into which the cable and the contact board are potted with a 5 minute epoxy. Before potting the back side of the contact board shall be covered with a modified silane or silicone rubber adhesive. The housing shall have a locking detent tab which secures the light engine into the housing. The housing shall have a raised lip which causes a watertight seal against the light engine through mechanical compression of the light engine potting material which has a rubbery texture after UV curing.
- E. Cord.** The cord (also known as the “low voltage landscape lighting unit cable”) shall be terminated at one end by flying leads. The other end is terminated where the cord is potted into the housing.
- F. Luminous Flux.** The Land Master® Step Light has a luminous flux of approximately 80 lumens at the LED surface under normal operating conditions. The color temperature is 2700K.
- G. Markings** shall be laser engraved into a bare copper trace pad on the light engine circuit board which shall include the part number, date of manufacture, and lot number.

- H. Safety Testing.** The Land Master® Step Light has been evaluated for safety against fire and electrical hazard by Underwriters Laboratory under standard UL 1838 (Low Voltage Landscape Lighting Systems). The step light is UL listed under file number E492645.
- I. Warranty.** The Land Master® Step Light is covered by warranty against failures due to material defects or workmanship, at 100% of the original cost for a period of 3 years. See the official warranty policy or “Warranty at a Glance” documentation for additional details.
- J. Installation** shall be done in accordance with the installation instructions, and in compliance with all local and National Electrical Code requirements. Any alterations or substitutions void the Underwriters Laboratories Listing and will void the product Warranty. Read the instructions thoroughly before starting the installation and follow them carefully throughout.
- K. Flooding and Underwater Operation.** The Land Master® Step Light shall not be used for underwater operation. Although the lights are durable against periods of brief submersion, they should not be installed in locations with a history of flooding. Extended periods of submersion void the warranty. Note that UL 1838 prohibits the installation of landscape lighting power units (commonly known as transformers) within 10 feet (3.05 m) of any pool or spa.
- L. Manufacture.** The Land Master® Step Light is proudly assembled in the USA. Assembly is performed at AQUAMASTER® FOUNTAINS AND AERATORS, 16024 COUNTY ROAD X, Kiel, WI 53042, (800) 693-3144.
www.aquamasterfountains.com

2.0 DETAILED ELECTRICAL INFORMATION

- A. Voltage.** The Land Master® Step Light shall be powered with 12-24 VDC or 12-15 VAC. Use with power units supplying other voltages will void the warranty and may permanently damage the light. It’s strongly recommended to use a voltage drop chart and measure voltage at the location where the quick connect whip cable is spliced into the main low voltage landscape cable (commonly known as the “trunk line”).

B. Wattage. The Land Master® Step Lights are rated at 2W.

C. Power Units. The Land Master® Step Lights shall only be used with low voltage landscape lighting power units (commonly known as “landscape lighting transformers”) with a maximum output rating of 24 volts and a maximum power rating of 100W pursuant to UL standard 1838 for class II power units.

D. Installation shall only be performed by qualified electrical personnel who are familiar with landscape lighting systems.