

SPECIFICATIONS
ENCOMPASS 400 LANDSCAPE LIGHTS

Updated: 24 Apr 2026

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 power coated cast aluminum housing, containing an LED and constant current driver. The bottom of the housing shall have a protruding quick connect for supplying electrical power. Top side of the housing shall consist of a clear polymetric cover lens and power coated cast aluminum lens cover which are both secured to the housing by a modified silane or silicone rubber adhesive. The constant current driver shall be potted in an electrical potting epoxy.
- C. Optical Focus Lens.** Optical lenses with beam angles of 25° and 40° are built into certain light configurations intended for uplighting and security lighting. Not all Encompass 400 lights contain an optical focus lens.
- D. Quick Connect** shall consist of a male, twist locking, C2 style, two conductor, circular connector rated for 5 amps.
- E. Quick Connect Whip Cable** shall consist of a two conductor cable with one end terminated with an overmolded female connector designed to mate with the Quick Connect described above in bullet point **B**. The opposite end of the cable shall be terminated by a pair of flying leads intended to be wired into a main low voltage landscape cable (commonly known as a “trunk line”).
- F. Color Temperature.** Encompass 400 lights are offered in 2700K, 3000K and 5000K color temperatures.
- G. Luminous Flux.** All Encompass 400 LED and driver combinations have a luminous flux of approximately 400 lumens at the LED surface under normal operating conditions.

- H. Markings** shall be laser engraved onto an anodized aluminum disk which is secured to the bottom of the light fixture by means of a jam nut on the quick connect. These markings shall indicate the product part number, date of manufacture, color temperature, lens angle, power requirements and Underwriters Laboratory E-file number.
- I. Safety Testing.** All Encompass 400 light designs have been evaluated for safety against fire and electrical hazard by Underwriters Laboratory under standard UL 1838 (Low Voltage Landscape Lighting Systems). Encompass 400 lights are UL listed under file number E492645.
- J. Warranty** on all Encompass 400 landscape lights are 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.
- K. Installation** shall be done in accordance with the installation instructions, and in compliance with all local and National Electrical Code requirements. Any alterations to or substitution void the Underwriters Laboratories Listing and will void the product Warranty. Read the instructions thoroughly before starting the installation and follow them carefully throughout.
- L. Mounting** shall only be done with Encompass mounting stakes or brackets sold by AQUAMASTER® FOUNTAINS AND AERATORS. Take care to mount in a way that lights not be hit by landscape or snow removal equipment or chemicals.
- M. Recessed Mounting.** Encompass 400 lights should only be mounted in recessed locations such as dirt, mulch or concrete using recessed mounting hardware sold by AQUAMASTER® FOUNTAINS AND AERATORS. Ensure that recessed lights will not be in standing water. Recessed mounting locations should be appropriately designed with gravel or mulch to ensure appropriate drainage.
- N. Flooding and Underwater Operation.** Encompass 400 lights 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.

- O. Manufacture.** All Encompass 400 lights are proudly assembled in the USA. Assembly is performed at AQUAMASTER® FOUNTAINS AND AERATORS, 16024 COUNTY RD X, Kiel, WI 53042, (920) 693-3121.
www.aquamasterfountains.com

2.0 DETAILED ELECTRICAL INFORMATION

- A. Voltage.** Lights shall be supplied only with 12-24 VDC or 12-15 VAC at the point of the fixture. Operation outside of these voltage ranges can cause erratic behavior or damage to the light. The warranty shall be voided for lights determined to have been operated outside of these voltages.

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.** Encompass 400 lights are rated at 5W.
- C. Power Units.** Encompass 400 lights may 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 300W pursuant to UL standard 1838.
- D. Installation** shall only be performed by qualified electrical personnel who are familiar with landscape lighting systems.