

WaterGlow™ Submersible Landscape Lighting Specifications

This specification is written and intended to provide bidders the necessary information pertaining to the submersible landscape lighting for the _____ project.

1. WATERGLOW™ SUBMERSIBLE LANDSCAPE LIGHTING INFORMATION

- a. The WaterGlow Submersible Landscape Lighting Package shall be 12 Volt, Model LL1020 with a single machined bronze fixture.
- b. The bronze fixture shall have triple O-ring sealing and automatic reset thermal overload protection.
- c. Customer shall supply a low voltage transformer properly sized for the fixture(s) and a MR-16 Halogen bulb for each fixture, no larger than 75W with at least 1” submersion of the bronze fixture.
- d. The STOW underwater rated power cable shall be 20’ feet, 16 gauge, 3 conductor cable.

WaterGlow™ Submersible Landscape Lighting Detailed Specifications

1. WATERGLOW™ SUBMERSIBLE LANDSCAPE LIGHTING PACKAGE

- 1.1. **Fixtures:** Each lighting fixture shall be machined bronze with built-in automatic reset thermal overload protection, 3 internal O-ring seals, and clear tempered glass windows. Each fixture shall have 20’ of STOW 3 conductor wires connected with a Heyco (or approved equivalent) waterproof connector. A thermoplastic mounting bracket shall be attached to each fixture with brass screws and flat washers for mounting to the float. When installed, the light fixture only needs 1” of submersion on the bronze housing for proper cooling with up to a 75W MR-16 Halogen bulb, but can be completely submerged if desired.
- 1.2. **Base:** Each lighting fixture shall include a U.V. resistant thermoplastic removable base for installation. The base can be used as is or be removed and replaced with a ½” PVC pipe extension for in-ground installation or a taller fixture height.
- 1.3. **Underwater Power Cable:** The power cable shall be STOW UL, CSA, and NEC approved underwater rated, 3 conductor (2 Hot and 1 Ground) cable with open wire ends for installation into the low voltage transformer or spliced to a longer cord. The power cable shall be available in 20 feet, 16 AWG.
- 1.4. **Lamp:** The light shall include a clear, 75W MR-16 halogen bulb.

2. SAFETY INFORMATION

- 2.1. The submersible landscape light must be tested by ETL, ETL-C, CE, UL, or other accredited testing facility.

3. WARRANTY INFORMATION

- 3.1. The unit shall include a 3 year manufacture’s repair warranty on all components, including electrical control panel. Unauthorized tampering will void the warranty.

4. ACCEPTABLE MANUFACTURER

- 4.1. The unit shall be a KASCO LL1020 Model manufactured by Kasco Marine, Inc., 800 Deere Rd., Prescott, WI U.S.A 54021. 715-262-4488. www.KascoMarine.com.

5. INSTALLATION

- 5.1. **Unit:** The light shall be installed per instructions included in the Owner's Manual with each light. Any alterations or substitutions, unless allowed by the instructions in the Owner's Manual will void the ETL Listing, void the manufacturer's warranty, and may cause a dangerous situation. Read the Owner's Manual thoroughly before starting the installation process and follow them carefully.