

Optional LED Fountain Lighting Specifications

This specification is written and intended to provide bidders the necessary information pertaining to the floating aerating fountain(s) or surface aerator (s) for the _____ project.

1. OPTIONAL LED LIGHTING PACKAGE

- a. The LED Lighting shall be 12V (120V supply), Model _____ with _____ sealed, thermoplastic fixtures. Each fixture shall be 9 or 11 watts and have a clear lens. (See Chart 1 below)
- b. Each fixture shall be permanently sealed with thermal protection.
- c. The SJTOW underwater rated power cable shall be _____ feet 16 gauge, 3 conductor cable. (See Chart 2 below)
- d. The lighting package shall include caps and lenses in Red, Green, Amber, Blue, and Pink standard.

Chart 1

Model	Number of Fixtures	Wattage
LED3125	3	9 each
LED6125	6	9 each
LED3C11	3	11 each
LED6C11	6	11 each

Chart 2

Length	Gauge (AWG)
50 Feet	16 AWG
100 Feet	16 AWG
150 Feet	16 AWG
200 Feet	16 AWG
250 Feet	16 AWG
300 Feet	16 AWG
400 Feet	16 AWG

Optional LED Fountain Lighting Detailed Specifications

1. OPTIONAL LED LIGHTING PACKAGES

- 1.1. **Fixtures:** Each lighting fixture shall be permanently sealed thermoplastic with built-in LED driver with overload and thermal protection and clear windows. Each fixture shall have 3' of SJTW power cord, IP68 rated waterproof connector, and covered with protective flex sleeving. A coated, stainless mounting bracket shall be attached to each fixture with brass thumb screws for mounting to the float. Each fixture shall include 300 Series stainless steel hardware to connect the mounting bracket to the float. When installed, the light fixture lens or window shall be above the water level for greater light penetration and only partial submersion of the light is required.
- 1.2. **Splitter:** A molded, waterproof IP68 rated 3 or 6 way splitter shall be installed and allow for easy attachment of each fixture to the splitter and a single power cable run back to shore.

1.3. **Underwater Power Cable:** The power cable shall be type SJTOW UL, CSA, and NEC approved underwater rated, 3 conductor cable with a molded NEMA 5-15P plug end. The power cable shall have 3' of protective flex sleeving at the splitter for rodent protection. The power cable shall be available in 50', 100', 150', 200', 250', 300', & 400' cord lengths of 16 gauge.

1.4. **Colored Lenses:** Each LED package shall include a rubber lens cap for each fixture. It shall also include colored lenses (Red, Green, Amber, Blue) for each fixture.

1.5. Light Package Options

1.5.1. **LED3125:** The LED3125 consists of three fixtures as described above, each using 9 watts of power. To be used as an optional lighting package on any Kasco ½-7.5HP decorative or aerating fountain (recommended for ½-1HP)

1.5.2. **LED6125:** The LED6125 consists of six fixtures as described above, each using 9 watts of power. Additional bracketing included for installation on any Kasco 2HP and larger decorative or aerating fountain (recommended for 2HP and larger).

1.5.3. **LED3C11:** The LED3125 consists of three fixtures as described above, each using 11 watts of power. To be used as an optional lighting package on any Kasco ½-7.5HP decorative or aerating fountain (recommended for ½-1HP)

1.5.4. **LED6C11:** The LED6125 consists of six fixtures as described above, each using 9 watts of power. Additional bracketing included for installation on any Kasco 2HP and larger decorative or aerating fountain (recommended for 2HP and larger).

2. WARRANTY INFORMATION

2.1. The unit shall include a 1 year (LED3125 & LED6125) or 2 year (LED3C11 or LED6C11) manufacture's repair warranty on all components, including electrical control panel. Unauthorized tampering will void the warranty.

3. ACCEPTABLE MANUFACTURER

3.1. The unit shall be a KASCO LED3125, LED6125, LED3C11, or LED6C11 Model manufactured by Kasco Marine, Inc., 800 Deere Rd., Prescott, WI U.S.A 54021. 715-262-4488.
www.KascoMarine.com.

4. INSTALLATION

4.1. **Unit:** The lights shall be installed per instructions included in the Owner's Manual with each unit. The unit may be anchored or moored in place. The unit is designed as a complete package and to be used with the included electrical control panel. 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.