

FOUNTAIN GLO™ LED LIGHTING SPECIFICATIONS

LIGHTS: The aerator shall include a low voltage (12 volt) LED lighting system consisting of 2, 4, 6 or 8 lights.

No. Lights Per System: __ 2 __ 4 __ 6 __ 8

HOUSING: The light housing shall be of a submersible type molded of high temperature polysulfone thermoplastic.

LAMPS: The lamps shall be a 6.5 watt MR16 LED lamp with a 35 degree discharge angle. Available in either __ Bright White (5700K) or __ Warm White (3000K); this bulb is RoHS compliant.

SEALS: The watertight seal shall incorporate a molded silicon "O" ring.

ELECTRICAL CONNECTORS: (LED light systems for 1HP to 25HP units include cable quick disconnect feature.) The quick disconnect shall consist of a male receptacle with a threaded nylon shell and a molded female cable connector with neoprene coupling nut. The male and female connectors shall be keyed to provide proper alignment when mated and provide an environmentally sealed electrical connection to exceed NEMA 6P/IEC IP68 ratings. The connector system shall be ETL and UL approved. Light systems for less than 1HP aerators and fountains have hardwired connections unless cable quick disconnect option is ordered.

UNDERWATER POWER CABLE: The power cable shall be type SJOOW specifically designed for underwater use. The conductors shall be flexible, stranded copper in 16 or 12 gauge, insulated to resist moisture, cracking, and softening. The outer jacket of the cable shall be a black CPE material.

LIGHT CONTROLS: (LED light systems for 1HP to 10HP units) The electrical system for LED light systems shall include GFCI (Ground Fault Circuit Interrupter) protection, 24hr timer, and DC Power Supply rated to 100W and UL508 approved. Exception: 50Hz markets may not receive all controls.

TESTING: The lighting system shall comply with UL standard UL1838.

WARRANTY: The warranty shall be one year.

ACCEPTABLE MANUFACTURER: This light set shall be an OTTERBINE® Fountain Glo™ LED Low Voltage Light Set with ___ Lights. manufactured by OTTERBINE BAREBO, INC., 3840 MAIN ROAD EAST, EMMAUS, PA 18049 U.S.A. PH: (610) 965-6018. WEB: www.otterbine.com



LED Lighting Specifications & Maximum Cable Lengths								
Watts	Lights per Set	Amp Draw (60Hz)	Lamp Wattage (Total)	Output Electrical Rating	16AWG / 1.5mm²		12AWG / 4mm²	
					Feet	Meters	Feet	Meters
6.5	2*	0.15A	13	12VDC	150	46	300	91
6.5	2	0.18A	13	15VDC 1.1A	650	198	1000	305
6.5	4	0.35A	26	15VDC 2.2A	325	99	700	213
6.5	6	0.53A	39	15VDC 3.3A	225	69	525	160
6.5	8**	0.70A	52	15VDC 4.4A	325	99	700	213

LED (6.5W) Lamp Options						
LED Lamps	Color Temperature (Kelvin)	Halogen Comparison	Lumen Output			
			2-light	4-light	6-light	8-light**
Bright White	5700	50W	970	1,940	2,910	3,880
Warm White	3000	35W	700	1,400	2,100	2,800

*Used on 1/2HP & 3/4HP units. **Requires two cable runs.

If longer cable runs are needed, contact the factory.

System operates off 115V in 60Hz and 220V in 50Hz. 50Hz amp draw will be half of what is listed in charts.