

# FOUNTAIN GLO™ HIGH VOLTAGE LIGHTING SPECIFICATIONS

**LIGHTS:** The aerator shall include a submersible lighting system consisting of 2, 3, 4, 6, 8 or 12 lights.

No. Lights Per System: \_\_ 2 \_\_ 3 \_\_ 4 \_\_ 6 \_\_ 8 \_\_ 12

Type of Bulb: \_\_ 250W \_\_ 500W

The lights shall be able to be attached to the outside perimeter of the float and naval brass bracket. The uppermost surface of the light fixture must be 2 inches below the water surface during operation.

**HOUSING:** The light housings shall be nickel-plated copper with a clamping ring and bezel/rock guard of naval brass.

**BULBS:** The light bulbs shall be 250 watt or 500 watt halogen type, operating on 110 - 1200 volt 50/60 Hz power.

**SEALS:** The watertight seal shall incorporate a molded silicon gasket.

**JUNCTION BOX:** The light junction box at the aerator shall be made of deep drawn stainless steel and naval brass.

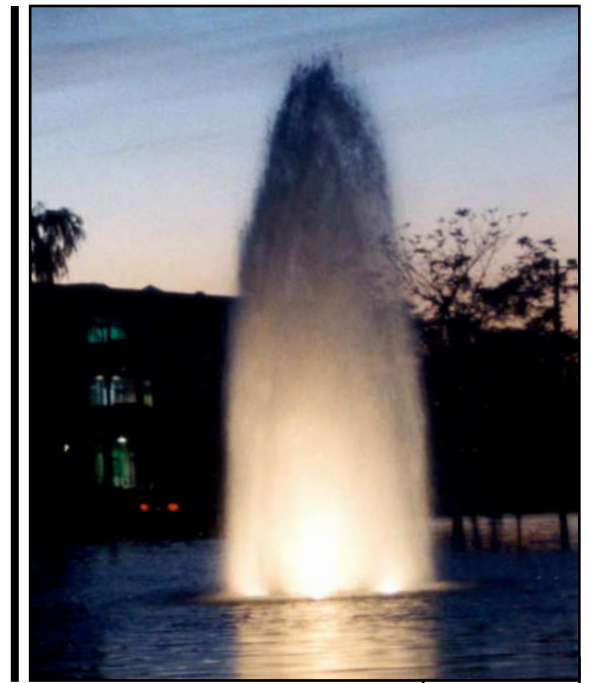
**UNDERWATER POWER CABLE:** The power cable supplying the light set shall be type SOOW AWG 12/3, 10/3, 8/3, or 6/3 gauge specifically designed for underwater use. The power cable supplying each light fixture from the light junction box shall be SOOW AWG 16/3 gauge. The outer jacket of the cable shall be a black CPE material.

**LIGHT CONTROLS:** The electrical system for High Voltage light systems shall include GFCI (Ground Fault Circuit Interrupter) protection and 24hr timer. The light control components shall be mounted in a fiberglass enclosure. A thermal cut-off located in the light fixture shall prevent overheating.

**TESTING:** The lighting system shall comply with ETL, UL or other accredited testing facility.

**WARRANTY:** The warranty shall be one year.

**ACCEPTABLE MANUFACTURER:** This light set shall be an OTTERBINE® Fountain Glo™ High 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



www.otterbine.com/highvoltage



## High Voltage Lighting Specifications (1HP - 5HP) & Maximum Cable Lengths

Watts	Lights per Set	Amp Draw (60Hz)	Junction Box	Lamp Wattage (Total)	Candlepower (Total Lumens)	12AWG / 4mm <sup>2</sup>		10AWG / 6mm <sup>2</sup>		8AWG / 10mm <sup>2</sup>	
						Feet	Meters	Feet	Meters	Feet	Meters
250	2	4.4	1	500	10,000	325	99.1	525	160	825	251.5
250	3	6.6	1	750	15,000	225	68.6	350	106.7	575	175.2
250	4	8.8	1	1000	20,000	150	45.7	250	76.2	425	129.5
500	4	17.6	1	2000	41,800			125	38.1	200	61

## High Voltage Lighting Specifications (10HP - 25HP) & Maximum Cable Lengths

Watts	Lights per Set	Amp Draw (60Hz)	Junction Box	Lamp Wattage (Total)	Candlepower (Total Lumens)	10AWG / 4mm <sup>2*</sup>		8AWG / 6mm <sup>2*</sup>		6AWG / 10mm <sup>2*</sup>	
						Feet	Meters	Feet	Meters	Feet	Meters
500	4	17.6	1	2000	41,800	125	38.1	200	61	325	99.1
500	6	26.4	2*	3000	62,700	175	53.3	275	83.8	450	137.1
500	8	35.2	2*	4000	83,600	125	38.1	200	61	325	99.1
500	12	52.8	3*	6000	125,400	125	38.1	200	61	325	99.1

\* Requires a cable run for each junction box. If longer cable runs are needed, contact the factory.

