

FOUNTAIN GLO™ RGBW LIGHTING SPECIFICATIONS

LIGHTS: The aerator or fountain shall include a low voltage (30VDC) RGBW LED sequencing light system consisting of 4 lights. Light sets are available in 40W and 80W 32 degree (flood) lamps and come standard with twelve factory preprogrammed sequences.

_____ 40W (1HP-5HP units) _____ 80W (10HP-25HP units)

HOUSING: The light housing shall be 304 stainless steel.

LAMPS: The light sources shall be ultra-bright ultra-compact 40 watt 4-channel MCPCB RGBW LED emitters with a high efficiency/high uniformity color mixing lens with TIR optics made of UL-rated optical grade PMMA. Lamps produce a 32 degree (flood) discharge with potential to exceed 70,000 hours under normal operation.

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

ELECTRICAL CONNECTORS: RGBW light systems 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, UL and CE approved.

LIGHT CONTROLS: The electrical system for RGBW LED light systems shall include GFCI (Ground Fault Circuit Interrupter) protection, 24hr timer, 3-channel selector switch for factory programmed sequences, and DC Power Supply rated to 240W and UL508 approved. The lighting control components shall be mounted in a NEMA 4X rated fiberglass enclosure. Exception: 50Hz markets will receive RCD protection.

CONTROLLER BOX: The enclosure at the aerator shall be made of NEMA 4X fiberglass and be UL-50 listed for coastal and marine applications. Jumper cables from controller box to light housings to be protected by ultra-abrasion-resistant expandable 304 stainless steel sleeving.

UNDERWATER POWER CABLE: The power cable shall be type SOOW specifically designed for underwater use. The conductors shall be flexible, stranded copper in 12 or 10 gauge, insulated to resist moisture, cracking, and softening. The outer jacket of the cable shall be a black CPE material.

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 RGBW Sequencing Light Set with 4 Lights manufactured by OTTERBINE BAREBO, INC., 3840 MAIN ROAD EAST, EMMAUS, PA 18049 U.S.A. PH: (610) 965-6018. WEB: www.otterbine.com



RGBW LED Specifications		
RGBW Lighting	40W	80W
Amp Draw	1.9	4.2
Output Electrical Rating	30VDC	
Lamp Wattage (Total)	150	331

Model	Lumens (per single fixture)								Max Cable (12awg)	Max Cable (10awg)
	Minimum				Maximum					
	Red	Green	Blue	White	Red	Green	Blue	White		
40W	260	300	77	430	420	480	130	620	600ft (183m)	1000ft (305m)
80W	600	720	172	1250	940	1130	270	1960		

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.