



## NIGHT GLOW LIGHTING SYSTEMS

AquaMaster® products are even more dramatic at night with the addition of a Night Glow LED or RGBW Lighting System. LED and RGBW lighting reduces power consumption, increases brightness and runs cooler using copper heat sink delivering a higher luminous efficacy—More light, less heat. All AquaMaster® Fountains and Aerators Lighting is compliant with the Energy Independence and Security act of 2007.

## 11 WATT LED

The 11W LED light from AquaMaster® Fountains and Aerators offers a color diode board assembly LEDs in cool white, warm white, red, green, blue, and amber. Colored lenses are replaced with brilliant dedicated color LEDs eliminating any color washout. The 11W LED reduces power consumption, increases brightness and runs cooler using copper heat sink delivering a higher luminous efficacy—More light, less heat.

### 11 Watt LED Features

- 3 year warranty
- Low operating cost
- Stainless steel fixtures, brackets, and shielded jumper cables
- Simple underwater power cable connector (Aqua Lock Connector – ALC)
- Available in 120V & 220V
- UL Listed
- Cool White: 1000 lumens
- Warm White: 775 lumens
- Red: 350 lumens
- Green: 650 lumens
- Blue: 150 lumens
- Amber: 250 lumens
- Color Temperature: 5000K (Cool), 3000K (Warm)
- Rated Life: 40,000 hours



## 22 WATT LED

This 22W LED model is more efficient, provides greater light output, and produces a brilliant white generated by a specific diode board.

### 22 Watt LED Features

- 3 year warranty
- Low operating cost
- Stainless steel fixtures, brackets, and shielded jumper cables
- Simple underwater power cable connector (AquaLock Connector – ALC)
- Available in 120V & 220V
- Cool White: 1900 lumens
- Color Temperature: 5000K
- Rated Life: 40,000 hours



## 35 WATT LED



AquaMaster® Fountains and Aerators supplies a 35W LED light. The intensity of these lights is equal to approximately one 500 watt incandescent light bulb. Built for performance, AquaMaster's 35W LED light lasts longer and with lower operating costs than a halogen bulb. It is versatile enough to operate at 90 – 305 VAC making it perfect for both 120v and 220v hookups.

### 35 Watt LED Features

- Available in 120V and 220 V
- 3 year warranty including LED lamps
- SS submersible fixtures w/SS braided fixture jumper cables
- Aqua Lock Connector (ALC) Included
- UL Listed
- Standard 14 ga. Cable
- Cool White: 3900 lumens
- Warm White: 3645 lumens
- Red: 510 lumens
- Green: 1710 lumens
- Blue: 400 lumens
- Amber: 205 lumens
- Color Temperature: 5000K (Cool), 3000K (Warm)
- Rated Life: 40,000 hours

## 20 & 40 WATT RGBW



AquaMaster® Fountains and Aerators proudly supplying programmable, color changing fountain lighting to its Night Glow Lighting System offering. These new RGBW LED lighting systems consist of the option for 20W or 40W fixtures, panel mounted controller and power supply that produce brilliant colors and shows. Customizable programming to meet color, show type, and holiday events available.

### 20 & 40 Watt RGBW Features

- Factory Pre-programmed with color assortment and holiday themes
- Bluetooth or Ethernet Controller available
- Simple underwater power cable connection (AquaLock Connector – ALC)
- Custom programs available
- Low operating cost
- No lens or board replacement required for color changes
- Stainless steel fixtures, brackets, and shielded jumper cables
- 3 year parts and labor warranty
- Available in 120VAC, 220VAC, & 24VDC
- UL Listed
- Can be retrofitted to existing AquaMaster fountains.
- Standard 14/5 Cable
- 20W RGBW- Total: 940 lumens
  - Red: 155 lumens
  - Green: 290 lumens
  - Blue: 120 lumens
  - White: 375 lumens
  - White Color Temperature: 7000K
  - Rated Life: 40,000 hours
- 40W RGBW- Total: 1835 lumens
  - Red: 475 lumens
  - Green: 560 lumens
  - Blue: 130 lumens
  - White: 670 lumens
  - White Color Temperature: 5500K
  - Rated Life: 40,000 hours

# LIGHTING SYSTEM CABLE LENGTH CHART

3 Conductor				Copper Wire Gauge Size					
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)	#14(m)	#12(m)	#10(m)
11	2	120	0.183	5279	8182	13636	1609	2494	4156
11	3	120	0.275	3519	5455	9091	1073	1663	2771
11	4	120	0.367	2639	4091	6818	804	1247	2078
22	2	120	0.283	3416	5294	8824	1041	1614	2689
22	3	120	0.425	2277	3529	5882	694	1076	1793
22	4	120	0.567	1708	2647	4412	521	807	1345
22	6	120	0.850	1139	1765	2941	347	538	896
22	8	120	1.133	854	1324	2206	260	403	672
22	12	120	1.700	569	882	1471	174	269	448
35	2	120	0.583	1659	2571	4286	506	784	1306
35	3	120	0.875	1106	1714	2857	337	523	871
35	4	120	1.167	829	1286	2143	253	392	653
35	6	120	1.750	553	857	1429	169	261	435
35	8	120	2.333	415	643	1071	126	196	327
35	12	120	3.500	276	429	714	84	131	218

  

5 Conductor				Copper Wire Gauge Size					
Watts Per Fixture	# of Fixtures	Volts	Approx Amps	#14(ft)	#12(ft)	#10(ft)	#14(m)	#12(m)	#10(m)
20 RGBW	2	120	0.333	2903	885	4500	1372	7500	2286
20 RGBW	3	120	0.500	1935	590	3000	914	5000	1524
20 RGBW	4	120	0.667	1452	442	2250	686	3750	1143
40 RGBW	2	120	0.667	1452	442	2250	686	3750	1143
40 RGBW	3	120	1.000	968	295	1500	457	2500	762
40 RGBW	4	120	1.333	726	221	1125	343	1875	572
40 RGBW	6	120	2.000	484	147	750	229	1250	381
40 RGBW	8	120	2.667	363	111	563	171	938	286
40 RGBW	12	120	4.000	242	74	375	114	625	191

Watts Per Fixture	# of Fixtures	Volts	Approx Amps	3x1.5mm <sup>2</sup> (m)	3x2.5mm <sup>2</sup> (m)	3x4mm <sup>2</sup> (m)
11	2	220	0.100	3847	6412	10259
11	3	220	0.150	2564	4275	6839
11	4	220	0.200	1923	3206	5129
22	2	220	0.155	2489	4149	6638
22	3	220	0.232	1659	2766	4425
22	4	220	0.309	1244	2074	3319
22	6	220	0.464	830	1383	2213
22	8	220	0.618	622	1037	1659
22	12	220	0.927	415	691	1106
35	2	220	0.318	1209	2015	3324
35	3	220	0.477	806	1343	2149
35	4	220	0.636	604	1008	1612
35	6	220	0.955	403	672	1075
35	8	220	1.273	302	504	806
35	12	220	1.909	201	336	537

  

Watts Per Fixture	# of Fixtures	Volts	Approx Amps	5x1.5mm <sup>2</sup> (m)	5x2.5mm <sup>2</sup> (m)	5x4mm <sup>2</sup> (m)
20 RGBW	2	220	0.182	2116	3527	5642
20 RGBW	3	220	0.273	1410	2351	3761
20 RGBW	4	220	0.364	1058	1763	2821
40 RGBW	2	220	0.364	1058	1763	2821
40 RGBW	3	220	0.545	705	1176	1881
40 RGBW	4	220	0.727	529	882	1411
40 RGBW	6	220	1.091	353	588	940
40 RGBW	8	220	1.455	264	441	705
40 RGBW	12	220	2.182	176	294	470