

Polaris AfterDark is a fiber optic lighting system that provides color and beauty to pools, spas, and water features.

### Light Driver Models:

**AD150 Metal-Halide Light Driver, Color Wheel with 9 Colors**

**AD151 Metal-Halide Light Driver, White Color Only**

### Dimensions:

Light Driver before installation: 17" W x 20" H x 11" D

Light Driver after installation: 17" W x 13" H x 11" D

### Specifications:

Input Voltage (Main Power): 120 VAC, 60Hz

Color Wheel (AD150): 9 colors; Pink, Magenta, Purple, Blue, Aqua, Teal, Green, Yellow, and White.

Color Wheel Motor (AD150): 12 VDC, 2-Speeds

Lamp Type: 150-Watt, Ceramic Discharge Metal-Halide

Lamp Life Rating: 7000 hours

Power Consumption:

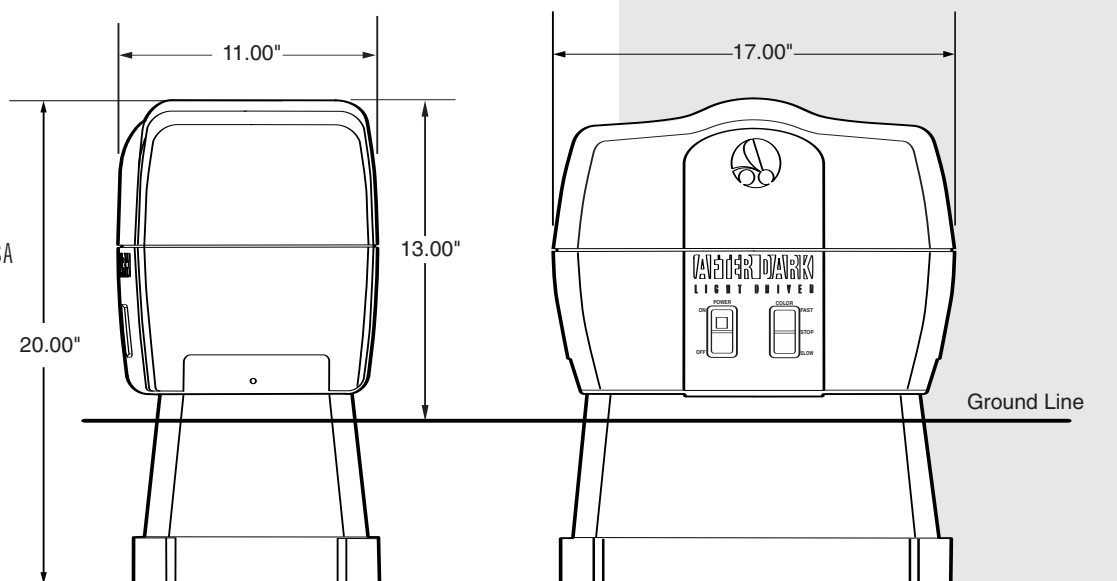
200-Watts Maximum

Start Current:

4.4 Amps

Run Current Load: 1.8 Amps

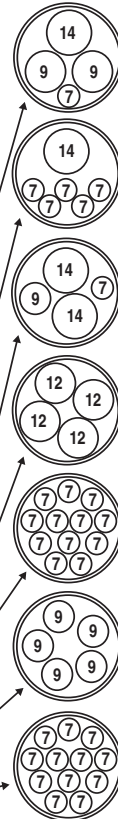
Enclosure Material: Luran® S ASA



## Fiber Capacity

Part Number	Size (mm)	Application	Stranded Quantity		AD150 Capacity (%)
			Actual	Equivalent	
AD7	7	End-Light	42	75	8
AD9	9	End-Light	84	150	18
AD12	12	End-Light	127	225	25
AD14	14	End-Light	169	300	35
AD79	7	Perimeter	19	30	8

Part Number	Qty	Location	Actual	Equivalent	AD150 Capacity (%)
<b>Project 1</b>					
AD14	1	Pool Light	169	300	35
AD9	2	FiberFalls	168	300	36
AD7	1	Spa	42	75	8
	<b>4</b>		<b>379</b>	<b>675</b>	<b>79</b>
<b>Project 2</b>					
AD14	1	Pool Light	169	300	35
AD9	1	Large Spa Light	42	75	8
AD79	2	Perimeter Loops	76	120	32
	<b>6</b>	<b>(4 Perimeters, 2 End-lights)</b>	<b>287</b>	<b>495</b>	<b>75</b>
<b>Project 3</b>					
AD14	2	Pool Lights	338	600	70
AD9	1	Aux. Lights	84	150	18
AD7	1	FiberFall	42	75	8
	<b>4</b>		<b>464</b>	<b>825</b>	<b>96</b>
<b>Other</b>					
AD12	4	Pool Lights	508	900	100
AD79	6	Perimeter Loops	228	360	96
	<b>12</b>	<b>(6 cables x 2 loops)</b>			
AD9	5	FiberFalls	420	750	90
AD7	12	Small Lights	504	900	96



## Fiber Optic Cable Specifications:

Type: Ultra High Purity 1mm PMMA Strands

### Cable Sizes

- AD14 Mega-Lite 300 Fiber, equal to 300 strands
- AD12 Mega-Lite 225 Fiber, equal to 225 strands
- AD9 Mega-Lite 150 Fiber, equal to 150 strands
- AD7 Mega-Lite 75 Fiber, equal to 75 strands
- AD79 Mega-Glow 30 Perimeter Fiber, equal to 30 strands

After Dark has the largest fiber capacity in the industry. To determine how many fiber cables the manifold will hold, simply add up the fiber equivalents. Maximum capacity is 900 strands.

### Cable by the Roll

- AD14300 Mega-Lite 300 Fiber, 300' Roll
- AD12500 Mega-Lite 225 Fiber, 500' Roll
- AD9500 Mega-Lite 150 Fiber, 500' Roll
- AD7500 Mega-Lite 75 Fiber, 500' Roll
- AD79500 Mega-Glow 30 Perimeter Fiber, 500' Roll

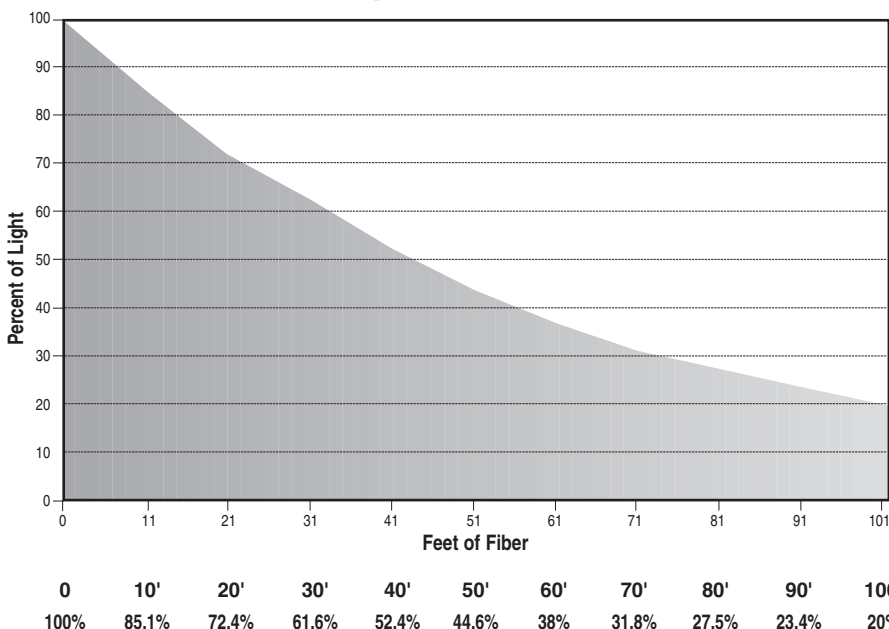
## Universal Fiber Lens\* (UFL) Specifications

Mounting Type: Twist-Lock Bayonet with 1-1/2" MIP Socket

Lenses: Waterproof Double Convex Spot  
Waterproof Fresnel Flood

\*Requires a 1-1/2" FIP fitting, not included in kit

## Light Loss In Fiber Optic Cable



Your pool. Our reputation.

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