



American. Brilliance.

**Profusion XW
LED UV-A Lamp**

Meets Specifications



ISO 3059



Profusion XW LED UV-A Lamp

////// 2-Year Warranty ////

UV-4700 includes:

- Glo-Black Profusion XW Lamp
- 120/240V, 120W Power supply (UV-2031)
- Power cord (UV-2007)
- Swivel mount (UV-4010)

Profusion XW Attributes:

- Waterproof – IP68 Rated
- 100% continuous duty at full output
- \approx 100 Watts per lamp



Weight of 1 lamp: 5.8 lb.



> 300 $\mu\text{W}/\text{cm}^2$ at
9 feet away

46 inches

> 100 $\mu\text{W}/\text{cm}^2$ at
9 feet away

88 inches

> 50 $\mu\text{W}/\text{cm}^2$ at
12 feet away

120 inches

Profusion XW Lamp Characteristics

<i>Performance Attributes</i>	<i>Parameters</i>
Maximum Irradiance (at 36 in/91cm)	5700 $\mu\text{W}/\text{cm}^2$
Peak Wavelength	$365 \pm 5 \text{ nm}$
Emission Spectrum	
Full Width at Half Maximum (FWHM)	$\leq 15 \text{ nm}$
Longest Wavelength at Half Max (LWHM)	$\leq 377 \text{ nm}$
Full width at 10% Maximum	$\leq 30 \text{ nm}$
Excitation Irradiance at 36 in	$>5000 \mu\text{W}/\text{cm}^2$
Wavelength Drift (at 70°F ambient)	$\leq 1 \text{ nm}$
Typical Visible Emission	
range (400-760 nm)	$\leq 2 \text{ ft candles at 36 in}$
	$\leq 20 \text{ lux at 36 in}$

<i>Physical Attributes</i>	<i>Parameters</i>
Operating Environment	32-115° F
Maximum Housing Temperature (at 70° F ambient)	88 °F*
Lamp Cord Length	10' Standard
Power Supply	Included
Weight	5.8 lbs
Power in	100-240 VAC / 50/60Hz
Specification Compliance	ISO 3059

* Emission Spectrum measured at Stabilization Temperature