



300-600 WATTS VARIABLE XENON POWER SUPPLY

High Performance Adjustable 600 Watt Power Supply For DC Xenon Short Arc Lamps



KEY FEATURES

- Universal input—no jumpers needed
- Power factor corrected
- Unique power controls
- Works with all Xenon short arc lamps
- Built in circuit breaker
- Over temperature control
- Large operating range—300 to 600 w

APPLICATIONS

- Medical and Endoscopy
- Surgical Procedures
- Photo Optic Lighting
- Fiber Optic Lighting
- Scientific Instrumentation
- Solar Simulation
- Spectroscopy
- Fluorescence Microscopy
- Industrial Illumination

The Isolux CL1314 is a universal input, power factor corrected, current and power regulated power supply adjustable from 17 to 30 Amps. With a voltage range from 12 to 24 VDC, it provides a single source for powering any Xenon lamp from 300 to 600 watts. The “State of the Art” design provides for high technical performance in a compact unit. Its high efficiency (>85%) coupled with forced air cooling and a novel conductive cooling method provides for a much cooler operation than competitive products (typically < 55 °C heat sink maximum temperature). Thereby, providing for a much more reliable operation, even at high ambient temperatures. When used in conjunction with an Isolux Xenon Arc Lamp Module or Housing, it provides for a complete bench top Arc Lamp System for many applications.

SPECIFICATIONS

<i>AC Input Voltage Range</i>	<i>90 to 265 VAC, 47 to 63 Hz.</i>
<i>Mains Input Current</i>	<i>7.0 Amps @ 120 VAC</i>
<i>Inrush Current</i>	<i>28 Amps peak @ 120 VAC</i>
<i>Power Factor</i>	<i>>0.95</i>
<i>AC Mains Harmonics</i>	<i>Meets EN 61000-3-2</i>
<i>Leakage Current</i>	<i>< 270 μA @ 120 VAC</i>
<i>Safety Standards</i>	<i>Meets EN 60950, UL 1950</i>
<i>Efficiency</i>	<i>> 85 %</i>
<i>Protection</i>	<i>- Circuit Breaker 10 A, -Overtemp. shutdown, Arc to Ground.</i>
<i>Operating Temperature</i>	<i>0 to 45 °C</i>
<i>Display</i>	<i>3 ½ digits, displaying current with 0.1 Amps resolution</i>
<i>Weight & size</i>	<i>10 lbs.; 133 mm H, 290 mm W, 318 mm D</i>
<i>Operation Mode</i>	<i>DC, constant current regulation with max. power limit</i>
<i>Current Output, adjustable</i>	<i>17 to 30 Amps</i>
<i>Output Voltage Range</i>	<i>12 to 24 VDC</i>
<i>Power Output Range</i>	<i>300 to 600 watts, adjustable</i>
<i>Output Ripple and Noise</i>	<i>< 2 %</i>
<i>Auxiliary Output</i>	<i>12 VDC @ 1 Amp.</i>