

- [Home](#)
- [Contact us](#)
- [News & Events](#)
- [Links](#)



- [Why Luxtel](#)
- [IsoluX](#)
- [CeraLux](#)
- [Overview](#)
- [Product cross reference](#)
- [Products](#)
- [Distribution](#)
- [Service & Care](#)
- [Technical Assistance](#)

Power Supplies - CL1508 600 Watt Xenon Power Supply



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

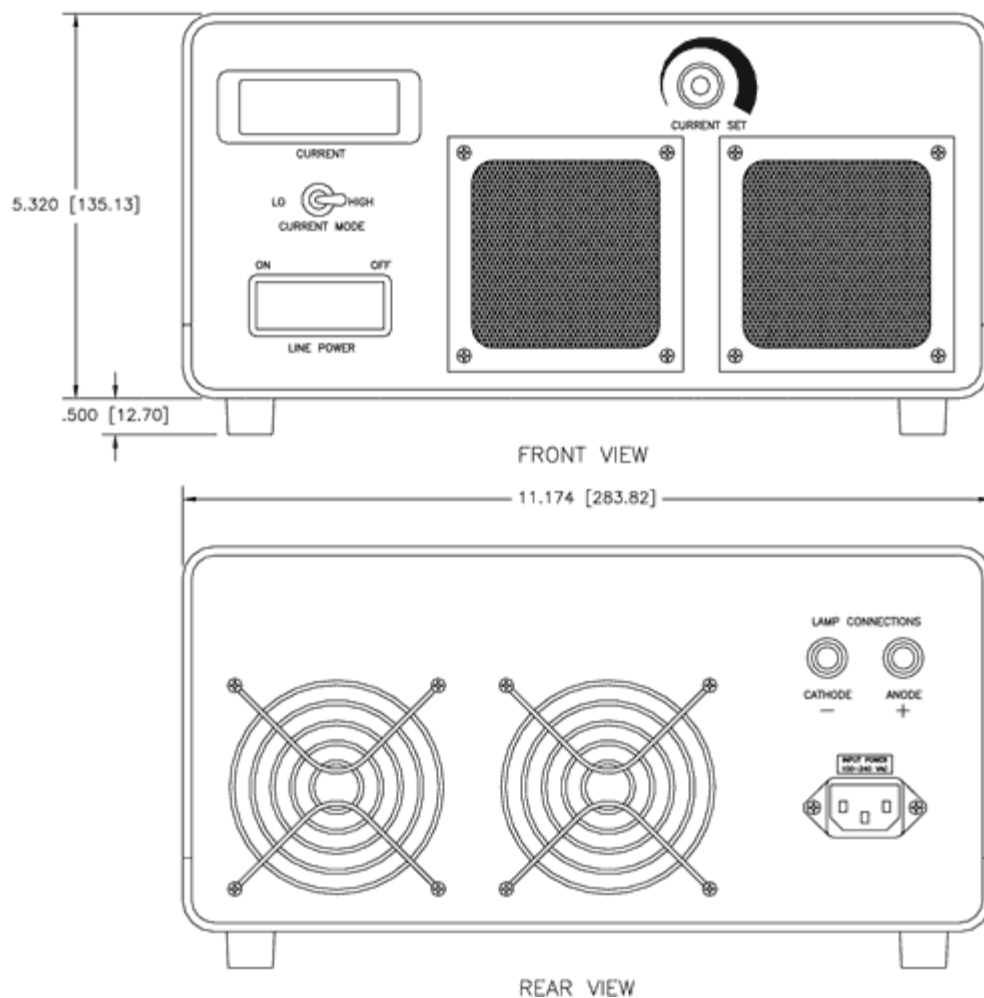
The Luxtel CL1508 is a universal input, power factor corrected, current and power regulated power supply adjustable from 10 to 44 Amps. With a voltage range from 10 to 60 VDC, it provides a single source for powering any Xenon lamp from 125 to 600 watts. The "State of the Art" design provides for high technical performance in a compact unit. Its high efficiency (>80%) 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 a Luxtel Xenon Arc Lamp Module or Housing, it provides for a complete bench top Arc Lamp System for many applications.

KEY FEATURES

- Universal input—no jumpers needed
- Power factor corrected
- Unique power controls
- Works with Luxtel CeraLux lamps
- Built in circuit breaker
- Overtemperature control
- Large operating range—125 to 600 watts

APPLICATIONS

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



Input & General Specifications

AC Input Voltage Range	90 to 265 VAC, 47 to 63 Hz
Mains Input Current	Maximum 7.0 A @ 120 VAC
Inrush Current	28 amps peak @ 120 VAC
Power factor	> 0.95
AC Mains Harmonics	Meets EN 61000-3-2
Leakage Current	< 600 μ A @ 240 VAC, 300 μ A @ 120 VAC
Safety Standard	Meets EN 60950, UL 1950
Efficiency	> 80 %
Protection	- Circuit Breaker, fast, 10 A - Short circuit to the lamp's return - Arc to ground - Over-temperature shutdown (85° C)
Operating Temperature Range	0 - 50 °C
Cooling	Distributed airflow alongside the unit, with additional conductive cooling
Display	- 3½ digits, 0.5" high LCD with bright red backlighting - Current in Amps with 0.1 A resolution
Controls	- Low current/High current switch - Potentiometer with control knob for current setting
Size	133 mm high X 290 mm wide X 318 mm deep
Weight	12 lbs.

Output Specifications

Operation Mode	DC, constant power regulation with max. current limit
Lamp Power Output Range	125 -300 W, adjustable
Output Ripple and Noise	DP _L : <2%
Output Current, adjustable	10 to 22 amps
Lamp Voltage Range	10 -30 V (other range on request)
Auxiliary Output	12 VDC @ 1 A
Boost Voltage	> 145 V peak
Boost Current	> 90 amps peak

Did You Know?

Core

The light conducting portion of an optical fiber, defined by the region of high refractive index.

Quick Links

- [Technical Assistance and Installation](#)
- [Service & Care](#)
- [Order Now](#)

- Luxtel llc® · 100 Ferncroft Road · Danvers, MA 01923
- Tel: (978) 774-9136
- Have questions? E-mail: info@Luxtel.com