

# Power Supplies for Argon Ion Laser Heads

## Ultra Series



Lumentum Ultra Series power supplies accommodate all output power ranges and possible AC input voltages. They are designed to work with standard 2211, 2214, 2218, and 2219 argon laser heads.

These highly efficient switch-mode power supplies feature power-factor correction and universal line input capabilities. Backward compatibility is assured through the use of standard input/output connections.

**Key Features**

- Highly efficiency advanced switching technology
- Power-factor correction
- Universal line input voltage
- Ultra low noise operation
- Versatile remote interface
- Reduced size and weight
- Two-year warranty

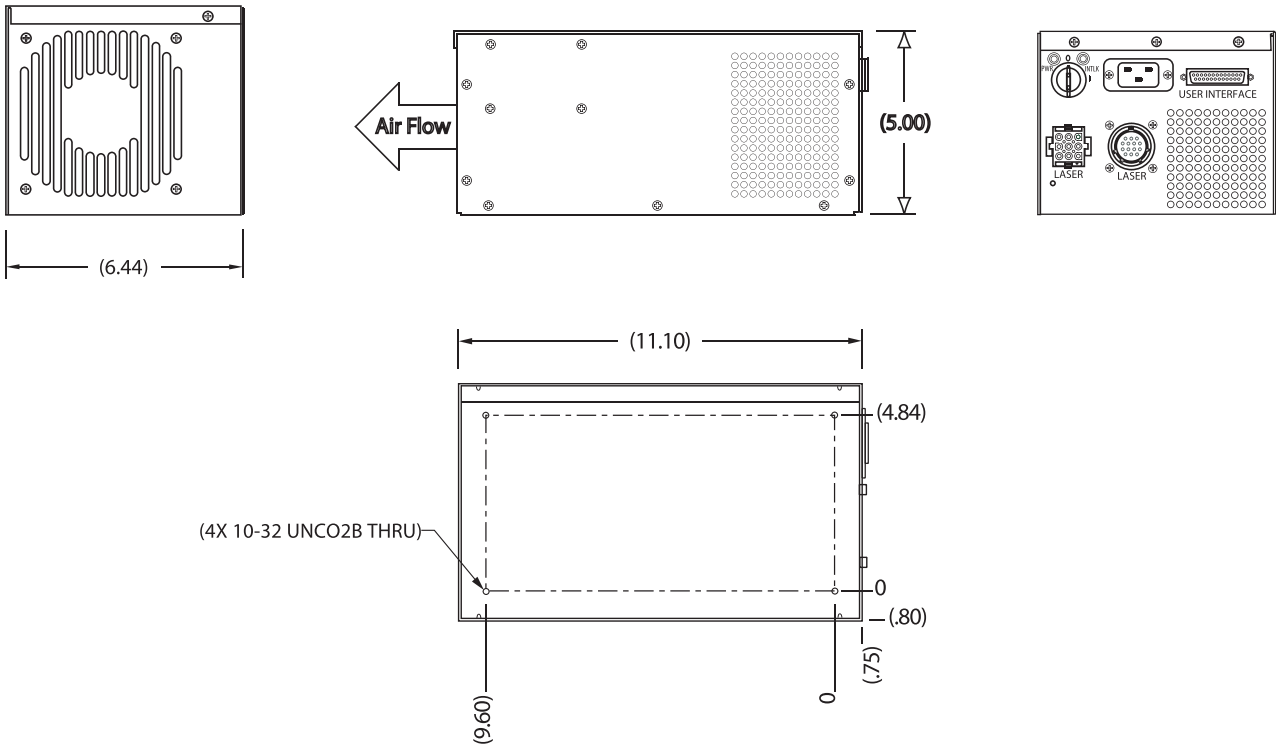
**Applications**

- For use with all Model 2211, 2214, 2218, and 2219 argon laser heads

**Compliance**

- EN/UL 61010-1
- EN/UL 60950
- EN 61326-1
- EN 55011/B
- EN 61000-3-2/3
- EN 61000-4-2/3/4/5/6/11

**Dimensions Diagram**  
(Specifications in inches unless otherwise noted. )



Note:  
Mounting screws must not penetrate more than 0.195 inches into the bottom of the power supply.

**Specifications**

Parameter	2110U-MLS	2110U-SLS
<b>General</b>		
Operating wavelength	458 to 515 nm	488 nm
Supported laser heads	2211/14/18/19	
<b>Input</b>		
Line voltage (±10%)	100 to 240 Vac	
Input current	≤20 Amps	
Input power	≤1800 VA	
Mains fusing	25 Amps/250 Vdc	
Power factor correction	Yes	
AC line cord	72" 12AWG 20A	
Line cord termination	Flying leads	
<b>Output</b>		
Maximum discharge current	10.25 A	
Tube voltage	70 to 140 V	
Standby current	3.5 to 4.5 A	
Ignition delay	30±5 seconds	
Auxiliary voltages	±15 V/150 mA	
Interlock latching	Selectable	
Operating modes	Power/current control	
Full featured remote interface	Yes	
<b>Environmental (Operating)</b>		
Temperature	4 to 40°C	
Altitude	<3000 m	
Relative humidity (non-condensing)	≤95%	
Shock, non-op. drop, transport	25 g/11 ms	
<b>Environmental (Non-operating)</b>		
Temperature	-40 to 60°C	
Altitude	<21000 m	
Relative humidity (non-condensing)	≤95%	
Shock, non-op. drop, transport	25 g/11 ms	

### Ordering Information

For more information on this or other products and their availability, please contact your local Lumentum account manager or Lumentum directly at [customer.service@lumentum.com](mailto:customer.service@lumentum.com).

### Sample: 2110U-SLS

2110U-  LS

Code	Wavelength
G	515 nm
M	458 to 515 nm
S	488 nm
V	458 nm

### Warranty

The Lumentum Ultra Series power supplies are warranted to be free of defects in material and workmanship for two years, unlimited hours, from the date of shipment. Please contact a Lumentum sales representative for more information.



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