



## Pro Dimmable Power Supply Series

### 96 Watt Dimmable Constant Voltage Power Supply

Discover the ultimate in versatility with our dimmable constant voltage 24V DC power supply.

Engineered to meet exacting professional requirements, this LED power supply for LED flexible strip lights, bars and LED neon offers exceptional flexibility and performance.

#### Versatile Dimming Options:

Compatible with MLV & ELV dimmers, as well as 0-10V dimmers, it offers smooth and adaptable dimming control for any configuration. Dims from 100% to 0.1%

#### Power Capacity:

Supports up to 96 watts of power, making it suitable for various lighting configurations up to the Class 2 limit.

#### Broad Input Voltage Range:

Operates with input voltages from 110V to 277V AC to accommodate various installation environments.

#### Adjustable Output Voltage for Precision Control (17 - 25 V):

For long wire runs you have the option to increase the voltage up to 25 volts to ensure your LED strips receive the full power they need, overcoming any line loss due to resistance in the wires.

Alternately, you can *reduce* the voltage (as low as 17 volts) which allows you to set a controlled maximum brightness to maintain the exact ambiance you desire.

When using Dim-to-Warm LED strips, reducing the voltage allows you to calibrate the maximum light output while maintaining the desired color temperature range.

#### Rated for Safety and Reliability:

Meets rigorous safety standards to ensure dependable performance. CUL certified and Class 2 protected, preventing over-current situations which may result from connecting too much LED load.

#### Integrated Wiring Compartments:

Simplifies installation with built-in wiring compartments and knockouts on three sides, including the rear.

#### Advanced PWM Frequency Adjustment:

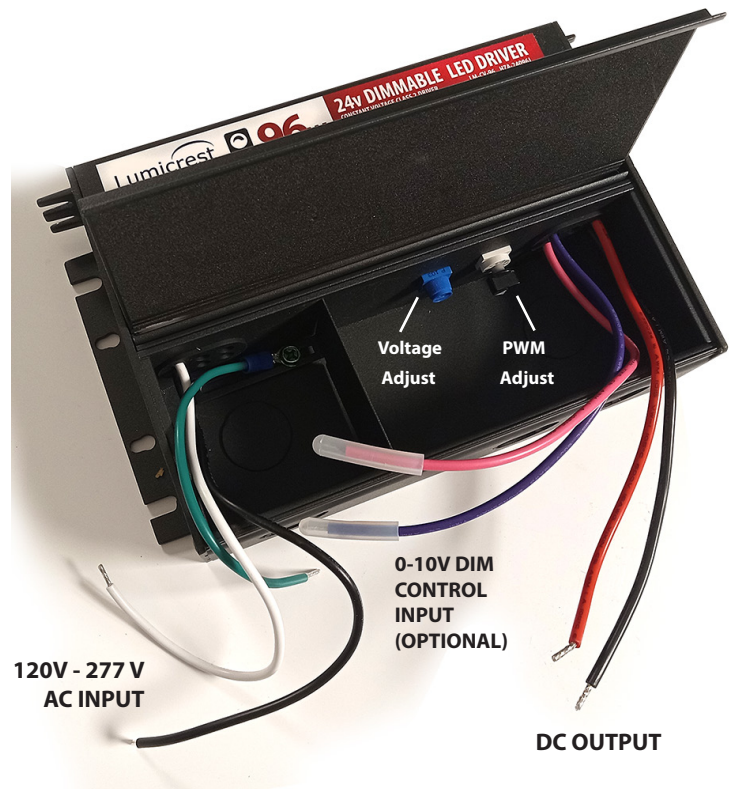
Flicker-free operation: Featuring a high PWM frequency of 4,000 Hz pre-set for general applications, it also offers the option to be adjusted (up to 20,000 Hz) for high-performance applications, such as high-frame-rate shooting of professional film and video productions.

#### No Minimum Load Requirement:

Efficiently dims both short and long lengths of LED strip lights, with no minimum load necessary.

#### Use in Any Location:

Rated for Dry, Damp and Wet locations.



### Lumicrest LED Lighting

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## Summary:

Our 24V DC Dimmable Constant Voltage Power Supply delivers precise control and flexibility for any LED strip-based lighting project.

With features like adjustable output voltage, versatile dimming options, and advanced PWM frequency adjustment, it is ideal for both everyday and professional lighting needs. Rated for Dry, Damp and Wet locations.

Enjoy a power supply that combines reliability, precision, and ease of use, elevating your LED lighting installations to new heights.

### Specifications:

**Input Voltage:** 110-277 V AC. Power Factor: > 0.95  
**Output Voltage:** 24 V DC (adjustable from 17V to 25V)  
**Output Power:** 96 watts  
**Dimming:** MLV, ELV, or 0/1-10V (may use potentiometer on 0-10V input also)  
**Dimming Range:** 100% to 0.1%  
**Certifications:** cUL, Class 2, Class P, FCC, NEMA 4X, RoHS  
Title 24 and JA8 Compliant  
**Rated:** For Dry, Damp, and Wet Locations

### Dimensions:

**Length:** 188 mm. (7.4")  
**Width:** 120.5 mm. (4.7")  
**Height:** 42 mm. (1.7")  
**Weight:** 1.1 kg. (2.4 lbs)

### PWM Frequency Options:

Position 0: 4,000 Hz (default)  
Position 1: 250 Hz  
Position 2: 400 Hz  
Position 3: 800 Hz  
Position 4: 1,470 Hz  
Position 5: 2,000 Hz  
Position 6: 3,600 Hz  
Position 7: 8,000 Hz  
Position 8: 16,000 Hz  
Position 9: 20,000 Hz

## Model/SKU:

SKU	Finish	Power
1551-ps-dim-24v96w	Black	96w

## Other Models in This Series:

Also available in 60 watt and 192 watt versions (dual 96 watt Class 2)

SKU	Finish	Power
1550-ps-dim-24v60w	Black	60w
1552-ps-dim-24v192w	Black	192w (2 x 96w)



**KNOCKOUTS ON FRONT,  
SIDE AND REAR**

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