Dimmable LED Power Supply (12V DC / 24V DC)

Dimmable LED Power Supply brings unprecedented flexibility to the LED driver market. Designed to power loads up to 60 Watt, Dimmable LED Power Supply can be used with virtually any fixture designed to operate from a 12 VDC or 24VDC source. Our power supply can be wired for input voltages of 120VAC, 240VAC, or 277VAC and is ETL Certified for use in North America and CE marked and Certified for use in Europe. This may be the only driver you'll ever need.

**Compatible Dimmers**
Please refer to "Dimmer Compatibility List for Magnetic Dimmable LED Power Supplies."

**SKU:** LW20-1000-60-DC3820

**Connector Input:** 100V, 240V and 277V (50/60Hz) (multiple input voltage)

**Connector Output:** 12VDC or 24VDC (configurable) Up to 60 Watt

**Dimensions:**
- Enclosure and mounting bracket 304 stainless steel
- Epoxy encapsulated for long life and protection from moisture.
- Integral wiring compartment with standard 1/2" conduit knockouts

#832 ground screw provided
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Wiring Instructions for Dimmable LED Power Supply (12V DC / 24V DC)

Connection for 120V, 50/60Hz Line and 12V DC Output

Connection for 120V, 50/60Hz Line and 24V DC Output

Connection for 240V, 50/60Hz Line and 12V DC Output
Wiring Instructions for Dimmable LED Power Supply (12V DC / 24V DC)

Connection for 240V, 50/60Hz Line and 24V DC Output

- 240 V, 50/60 Hz
- Connect
- Line
- (No Connection) Orange 157 V
- Violet 120 V
- Brown 120 V
- Blue COM
- White COM
- Rectifier
- Red (Positive Output)
- Red
- 12V
- Yellow (No Connection)
- Black (24 VDC @ 2.5 A) (Negative Output)
- Ground Screw
- 24 VDC @ 2.5 A

Connection for 277V, 50/60Hz Line and 12V DC Output

- 277 V, 50/60 Hz
- Connect
- Line
- (No Connection) Orange 157 V
- Violet 120 V
- Brown 120 V
- Blue COM
- White COM
- Rectifier
- Red (Positive Output)
- Red
- 12V
- Yellow (12 VDC @ 5 A) (Negative Output)
- Black (No Connection)
- Ground Screw
- 12 VDC @ 5.0 A

Connection for 277V, 50/60Hz Line and 24V DC Output

- 277 V, 50/60 Hz
- Connect
- Line
- (No Connection) Orange 157 V
- Violet 120 V
- Brown 120 V
- Blue COM
- White COM
- Rectifier
- Red (Positive Output)
- Red
- 12V
- Yellow (No Connection)
- Black (24 VDC @ 2.5 A) (Negative Output)
- Ground Screw
- 24 VDC @ 2.5 A
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Dimmer instruction notes:

Always follow specific manufacturers's directions and ratings when utilizing power supply in conjunction with a dimming circuit. Above schematic is intended for reference only.

Dimmer should be installed in series with primary of power supply, as shown above. 120V input to 12V DC output is shown for reference. For other voltages, see schematics on preceding pages and install dimmer on "hot" side of line, as shown. Always observe electrical ratings of the dimmer and match to the line voltage and load rating.

Dimmer Connecting Units in Parallel:

In certain application, it may be advantageous to connect multiple inputs in parallel. For example, controlling multiple power supplies from a single dimming output. In these cases, the input windings from multiple power power supplies may be connected in parallel as shown below. A single set of wires may then be run to the dimming circuit and wired as described in the above section "Dimmer Installation Notes." 120V connection is shown as reference. For other voltages, wire individual units as described on pages 1 & 2.

When multiple power supplies are connected to a single dimming output, caution must be observed that the circuit is not overloaded. Consult dimmer installation notes or dimmer manufacture for maximum load ratings.