

Power Supplies

TECHNICAL INFORMATION

Electronic (Advance) Power Supply

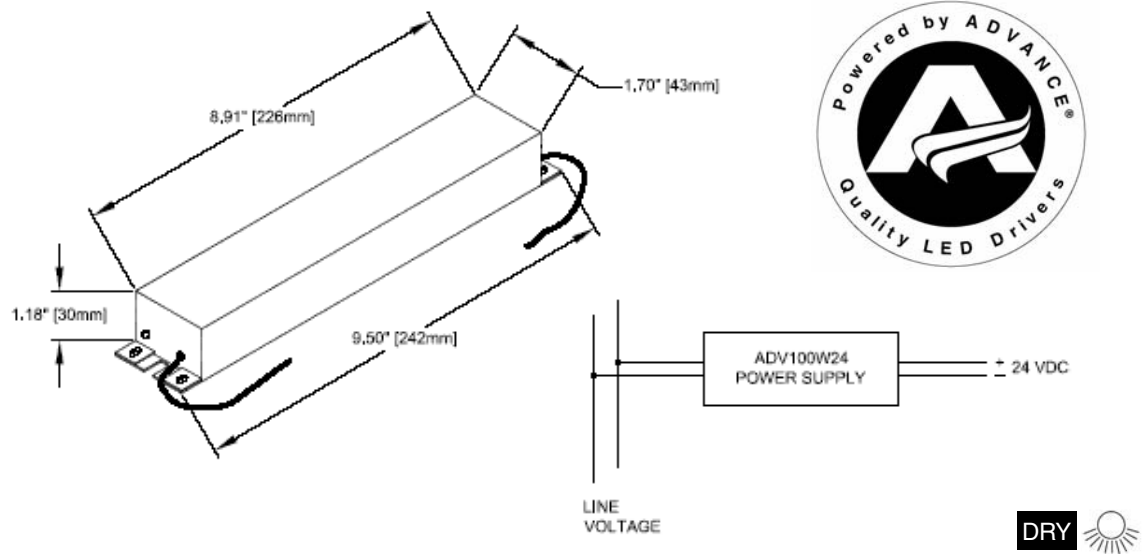
Features

- Input: 120-277 VAC IntelliVolt® Multiple Voltage by Advance 50/60Hz
- Output: 24VDC 4A Max regulated inherently limited class 2 driver with inherent short-circuit protection
- RU listed for U.S. and Canada*
- Dimensions: 9 1/2" x 1 1/4" x 1 3/4" (242mm X 30mm X 43mm)
- Manufacturer's warranty of 5 years

*RU is a recognized component covered under UL's recognition service. Final acceptance of the component is dependent upon its installation. For more information about Recognized Components, visit UL's Website at <http://www.ul.com/about/glossary.html>.

In some circumstances additional enclosures may be required. When installing any power supply it is important to abide by all local and national electrical codes.

Description	Input			Output			Case Temp Max (°C)	Weight (Grams)
	Volts (V)	Power Max (W)	Current Max (A)	Power Max (W)	Voltage Norm (V)	Current Max (A)		
100 Watt	120	117.0	0.98	100.0	24.0	4.1	90	640
	230		0.51					
	277		0.042					



ORDERING INFORMATION

Order Number: ADV100W24V

Product Application

Plexineon &
Hypnotica iS

Specification sheets are subject to change without notice. For the most recent version, please refer to www.ilight-tech.com.

TECHNICAL INFORMATION

Enclosure Guidelines for Electronic (Advance) Power Supply (as provided by Advance)

PreSet Conditions

Advance LED Driver Types:

- LED120A0012V50F (Advance 120V 60W/12V LED Driver)
- LED120A0024V33F (Advance 120V 80W/24V LED Driver)
- LEDINTA0012V50FO (Advance Intellivolt 60W/12V LED Driver)
- LEDINTA0024V41FO (Advance Intellivolt 100W/24V LED Driver)

All Above Advance Drivers:

- Are certified under UL 1310 (Class 2 Power Supplies) for the U.S. and Canada
- Are listed in the UL Sign Accessory Manual (SAM)
- Operate on an AC input and provide a DC output
- Are rated for ambient temperature from -40°C/-40°F to 60°C/140°F
- Use terminal wire with a 600V/105C insulation rating

For outdoor or damp/wet locations, the electrical enclosure must comply with NEMA-3R or UL-Outdoor rating

Installation Conditions

- UL48 requires a Temperature Test performed to any electrical device inside an enclosure
- The UL48 Temperature Test can be waived if electrical devices are:
 - installed (inside enclosure)
 - installed with 1 inch separation (end-to-end)
 - installed with 4 inch separation (side-to-side)
- Enclosures must be mounted 12 inches above the roof, parapet or horizontal surface
- A raised place (inside the enclosure) for mounting the Drivers is always recommended. Drivers can also be mounted against enclosure wall as long as no holes are made or left which will allow water inside

Electrical Conditions

- A dedicated GROUND contact should exist for the AC input as well as per DC output, if the enclosure contains more than one unit. The unit(s) fasteners cannot be used as GROUND contacts.
- If total wiring distance between AC branch, the enclosure and the LED load is less than 6 feet, a common GROUND contact can be used for input and output.
- To avoid the need for a physical barrier between the AC and DC circuits inside the enclosure, wiring used must have insulation rating of 600V/105C (same as Driver leads).
- Input and output wiring must run inside conduit. Wiring from a Class 2 output can be run without conduit as long as PLTC type cable is used.