

24
VOLT

PLUG-N-PLAY LED DRIVER

NON-DIMMABLE CONSTANT CURRENT PLUG-IN DRIVER

evo-life
 ADVANCED LUMINOUS SOLUTIONS

SPECIFICATION SHEET

POWER & CONTROLS // PLUG-IN LED DRIVER
SERIES: PS-PNP-EVO 24V

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTIFICATION

 For the latest product updates, specifications, troubleshooting, product handling, installation, and integration advisories, visit www.evo-lite.com.


SPECIFICATIONS

ITEM #		PS-PNP-1C2496-EVO
OUTPUT	DC Voltage	24V via 18AWG male barrel connector
	Rated Current	1*4A
	Rated Power	1*96W
	Voltage Tolerance	± 0.5V
	Voltage Regulation	± 0.5%
	Load Regulation	± 1%
INPUT	Voltage Range	100-277V AC via 18AWG 3-prong grounded type B plug
	Frequency Range	47-63Hz
	Power Factor (Typ.) @ Full Load	0.99 @ 120V AC / 0.95 @ 277V AC
	THD (Typ.) @ Full Load	120V < 10%, 277V < 15%
	Efficiency (Typ.) @ Full Load	88%
	AC Current (Max.)	1.3A @ 100V AC
	Inrush Current (Typ.)	120V - 11A, 50%, 1.04ms / 277V - 27A, 50%, 960us
	Leakage Current	< 0.50mA
PROTECTION	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed.
	Over Loading	≤ 120% Hiccup mode, recovers automatically after fault condition is removed.
	Over Temperature	212°F ± 50°F (100°C ± 10°C) shut down o/p voltage, automatic recover after cooling.
ENVIRONMENT	Certification	IP65 Rated for wet locations.
	Working Temperature	-40°F ~ 140°F (-40°C ~ +60°C) (see derating curve)
	Working Humidity	20 ~ 90% RH, non-condensing
	Storage Temperature Humidity	-40°F ~ 176°F (-40°C ~ +80°C), 10~95% RH
	Temperature Coefficient	±0.03%/°C (32°~122°F (0~50°C))
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes
SAFETY & EMC	Safety Standards	UL8750 + UL1310 / CAN/CSA-C22.2 No. 250.13
	Withstand Voltage	I/P-O/P:1.88KVAC
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/77°F(25°C)/70%RH
	EMC Emission	FCC 47 CRF Part 15, Subpart B
OTHERS	NC Carton Packing	1 piece, 1.54 lbs (0.7kg)
	NC Carton Box Size	13.89" * 4.40" * 2.16" (353 * 112 * 55mm)
	Master Carton Packing	10 pieces, 16.76 lbs (7.6kg)
	Master Carton Box Size	14.37" * 11.61" * 9.84" (365 x 295 x 250mm)

PACKING

Includes Plug-in Power Supply.

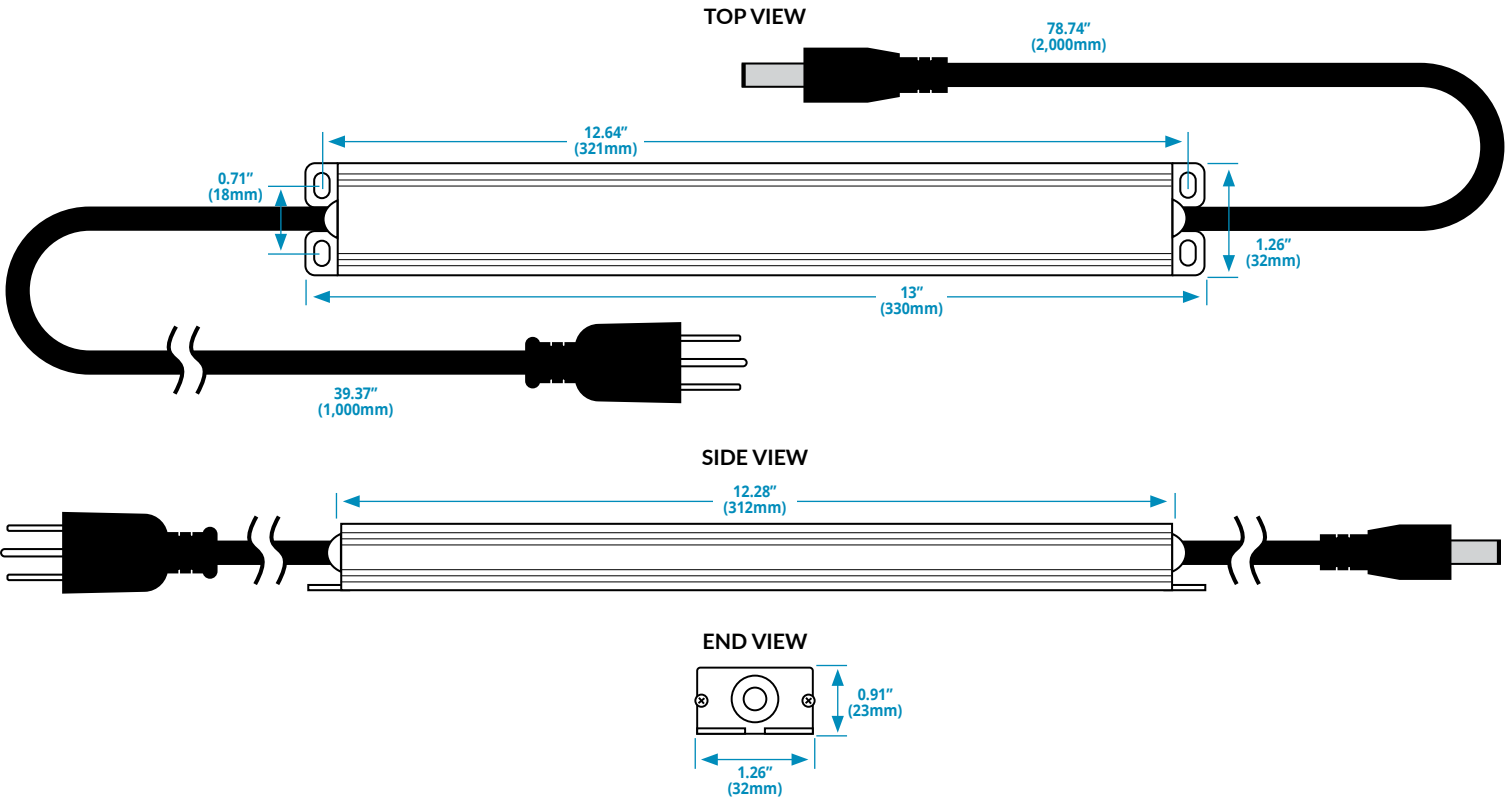

 (A) PLUG-N-PLAY
POWER SUPPLY
24V 96W

NOTES

1. All parameters if NOT specially mentioned are measured at 120V AC input, rated load and 77°F (25°C) of ambient temperature.
2. Best practices include allowing headroom for power supply longevity.

PART	QTY	ITEM #	24V PLUG-N-PLAY DIMMABLE LED DRIVER
A	1	PS-PNP-1C2496-EVO	1*96W, 24V DC Constant Current Non-dimmable LED Driver

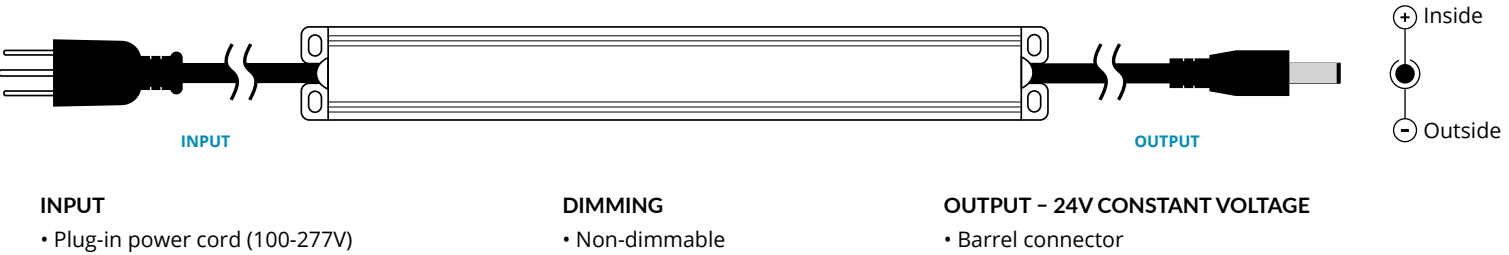
24V 96W (1*96W) | PLUG-N-PLAY LED DRIVER



WIRING & CONNECTION DIAGRAM

ADVISORY

- Ensure power is disconnected at the source before making any modifications to power supply or lighting product.
- Correct connections are essential for safe operation of your lighting product. Always double-check your work before returning power on at the source.
- This driver should be installed by a qualified professional.
- Provide adequate ventilation around driver to allow for heat dissipation.
- Ensure that wiring is correct before testing in order to avoid damage to your power supply and/or lighting product.



DERATING CURVE

To extend life, please refer to the Derating Curve and derate according to the temperature.

