



# BIAS 12VAC Input LED Driver Power Supply BPOXL Series Data Sheet

Single output  
BPOXL 4-12-035, non-dimming  
BPOXL 8-12-070, non-dimming

## Features

- 12 Volt AC Input (50/60Hz)
- 350mA constant current, up to 12 VDC strings
- 700mA constant current, up to 12 VDC strings
- Ingress protection to IP67
- Flying Leads for AC and LED connections
- >80% efficiency
- Overcurrent, short circuit and overload protected

The BPOXL Series LED driver power supply is an ideal solution for numerous LED driver applications operating from a 12VAC input. This low-cost supply provides up to four or eight watts of output power for LED string voltages up to 12VDC. A patented design incorporating a custom integrated circuit into a small package, the BIAS Module provides an immediate “drop-in” solution, requiring no additional external components. Installer friendly using flying leads for AC connections.

## Operating Specifications

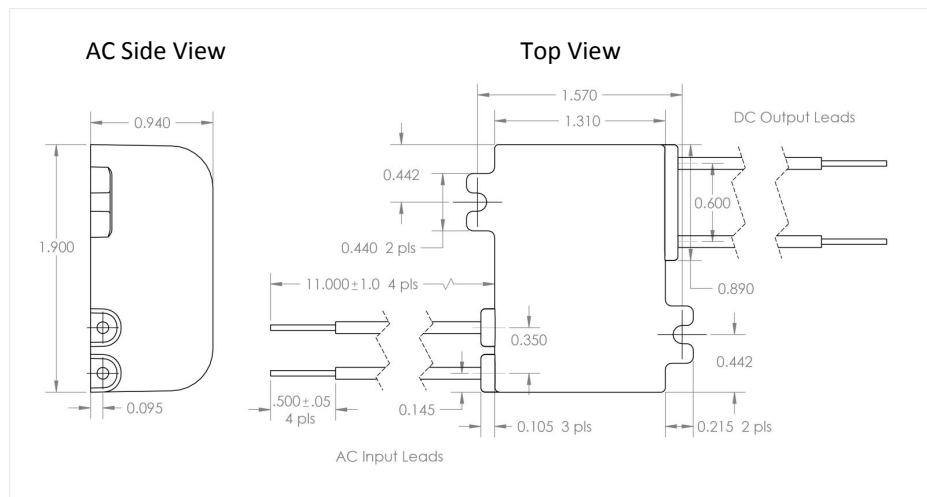
(@12VAC / 60 Hz / 25°C unless otherwise specified)



Electrical	
Input Voltage Range	10.8 - 16.2 VAC (50/60Hz)
Efficiency	80% nom.
Line Load Regulation I <sub>o</sub> (Peak)	+/- 2% P <sub>o</sub> < P <sub>max</sub>
Temperature Regulation I <sub>o</sub> (Peak)	+/- 2% P <sub>o</sub> < P <sub>max</sub>
Reliability @ 25° C, MIL HDBK-217F	> 500 Khr MTBF

Environmental	
Operating Temperature	-40 to 85° C
Maximum Case Temperature	90° C
Storage Temperature	-40 to 105° C
Ingress Protection	IP67
Mechanical	
Package Size (L x W x H)	1.9 x 1.74 x 0.94 inches
Lead Length	11", 18AWG
Connections	Line-Black, Neutral-White Output(+)-Red , Output(-)-Blue

Model Number	BPOXL 4-12-035	BPOXL 8-12-070
Maximum string voltage	12 VDC	12 VDC
Output Current	350 mA	700 mA
Output Power (P <sub>max</sub> )	4.2	8.4
Line Regulation, I <sub>o</sub> (Peak)	+/- 1%, P <sub>o</sub> < P <sub>max</sub>	+/- 1%, P <sub>o</sub> < P <sub>max</sub>



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