



# BIAS 10 Watt LED Power Supply

## BPWXL 10 Series Data Sheet

Single output  
BPWXL 10-24-035

The BPWXL Power Supply Module is an ideal solution for numerous LED driver applications. This low-cost supply provides up to ten watts of output power for LED string voltages up to 24VDC. 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.

### Features

- Universal Input (90-308 VAC, 50/60Hz)
- 350mA constant current, up to 24 VDC strings
- Ingress protection to IP66
- Flying Leads for AC and LED connections
- 3000 VAC Isolation
- Up to 75% efficiency
- EN 55022, Class B; FCC Part 15, Class B
- Meets UL/CSA and EN Product Safety Requirements (UL 8750 Class 2)
- Overcurrent, short circuit and overload protected

### Operating Specifications

(@120VAC / 60 Hz / 25°C unless otherwise specified)



Electrical		Environmental	
Input Voltage Range	90-308 VAC (50/60Hz)	Operating Temperature	-40 to 85° C
Output Power (Pmax)	10 W nom (50/60Hz)	Operating Relative Humidity	0 – 95%, non-condensing
Efficiency	75% nom.	Storage Temperature	-40 to 105° C
Output Vo	24 VDC nom.	Ingress Protection	IP66
Output Io	350mA, +/- 5%	Mechanical	
Line / Load Regulation Io (Peak)	+/- 5% Po < Pmax	Package Size (L x W x H)	2.3 x 2.5 x 1.25 inches
Temperature Regulation Io (Peak)	+/- 2% Po < Pmax	Lead Length	11", 18AWG
Isolation	3000 VAC (meets UL/CSA & EN Product Safety)	Connections	Line-Black, Neutral-White Output(+)-Red , Output(-)-Blue
Earth Leakage @ 120 VAC	< 10 uA	Safety	
Short Circuit Protection	Continuous, Pin ≤ 0.7 w @ 120 VAC	Safety Compliance	ETL/UL 8750 Class 2/CAN/CSA c22.2
Reliability @ 25° C, MIL HDBK-217F	> 200 Khr MTBF	EMI Emissions	EN 55022, Class B, FCC Part 15, Class B

