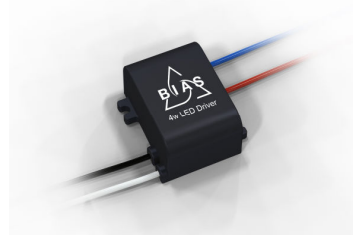




# BIAS 4 Watt LED Driver Supply BPWXL 4 Series Data Sheet

Single output  
BPWXL 4-12-035



The BPWXL LED Driver is an ideal solution for numerous LED driver applications. This low-cost supply provides up to four 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 Driver provides an immediate “drop-in” solution, requiring no additional external components. Installer friendly using flying leads for AC connections.

## Features

- Universal Input (100-308 VAC, 50/60Hz)
- 350mA constant current, up to 12 VDC strings
- Ingress protection to IP67
- 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 (shorted string), open circuit (string break) and overload protected

## Operating Specifications

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



| Electrical                         |   |
|------------------------------------|---|
| Input Voltage Range                | 100-308 VAC (50/60Hz)                       |
| Output Power (Pmax)                | 4 W nom (50/60Hz)                           |
| Efficiency                         | 75% nom.                                    |
| Output Vo                          | 12 VDC nom.                                 |
| Output Io                          | 350mA nom.                                  |
| Line Regulation Io (Peak)          | +/- 1% Po < Pmax                            |
| Temperature Regulation Io (Peak)   | +/- 2% Po < Pmax                            |
| Isolation                          | 3000 VAC (meets UL/CSA & EN Product Safety) |
| Earth Leakage @ 120 VAC            | < 10 uA                                     |
| Short Circuit Protection           | Continuous, Pin ≤ 0.7 w @ 120 VAC           |
| Reliability @ 25° C, MIL HDBK-217F | > 500 Khr MTBF                              |

| Environmental            |   |
|--------------------------|---|
| Operating Temperature    | -40 to 85° 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<br>Output(+)-Red , Output(-)-Blue |
| Safety                   |   |
| Safety Compliance        | ETL/UL 8750 Class 2/CAN/CSA c22.2                           |
| EMI Emissions            | EN 55022, Class B, FCC Part 15, Class B                     |

