



BIAS 4 Watt LED Drivers

Universal Input/Output with AOVCTM

BPWXL 4-12U-035 (350mA constant current)

BPWXLD 4-12U-035 (350mA, 0-10 dimmable)



Benefits

- Bias Adaptive Output Voltage Control, AOVCTM technology (patent pending) provides the broadest range of applications with the fewest driver SKUs and 75%+ efficiency across all string lengths
- Highly reliable, rugged construction for indoor or outdoor applications
- True 0-10 volt dimming with 1000:1 range, IEC 60929 compliant
- 1% current regulation and no flicker
- Color coded flying leads for simple assembly and installation
- AC line or DC load switching without overshoot on startup

Operating Specifications

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

Features

- Universal Input (100-308 VAC, 50/60Hz)
- Universal Output with AOVCTM (3-12VDC@350mA) or (3-50VDC@80mA)
- Ingress protection to IP67
- -40 to +85°C ambient, 90°C maximum case temperature
- Flying Leads for AC and LED connections
- 3000 VAC Isolation
- 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

Electrical	
Input Voltage Range	100-308 VAC (50/60Hz)
Output Power (Pmax)	4 W nom (50/60Hz)
String Voltage (Minimum)	3.0 VDC
Efficiency	75% nom.
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
0-10 VDC Dimming	Per IEC 60929, Annex E
Line Regulation, Io (Peak)	+/- 1%, Po < Pmax
AC Input Connections	Line BLK, Neutral WHT
DC Output Connections	Pos(+) RED, Neg (-) BLU
Dimming (0-10 VDC) Connections	Adjust PUR/Com GRY

Environmental	
Operating Temperature	-40 to 85° C
Case Temperature, maximum	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 600V class
Safety and Standards	
Safety Compliance	UL: 60950-1, 2nd Ed./CSAC22.2 60950-1-07 2nd Ed. ETL: UL 8750 Class 2/CAN/CSA c22.2 (1)
EMI Emissions	EN 55022, Class B, FCC Part 15, Class B
Standards Compliance	IEC61347-1, IEC61347-2-3

Model Number	Maximum String Voltage	Output Current	Dimming
BPWXL 4-12U-035	12 VDC	350 mA	N/A
BPWXLD 4-12U-035	12 VDC	0 - 350 mA	0 to 10 VDC, Vd



5 Year Limited Warranty - see Bias Power published warranty for specifics



www.biaspower.com

BPWXL 4 Series Data Sheet, Page 1 of 2

Revised 11/02/2013

Specifications subject to change



BIAS 4 Watt LED Drivers

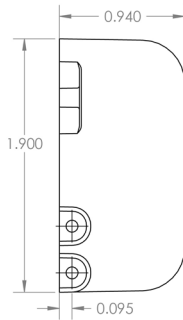
Universal Input/Output with AOVCTM

BPWXL 4-12U-035 (350mA constant current)

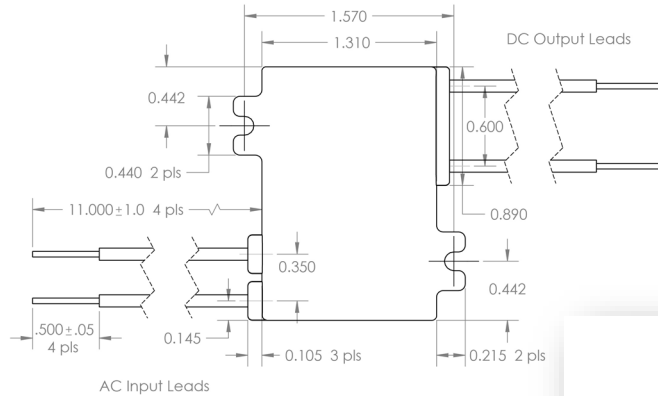
BPWXL 4-12U-035 (350mA, 0-10 dimmable)

Non-Dimming (BPWXL)

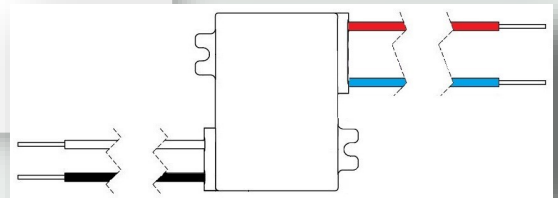
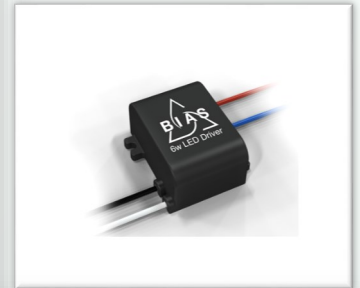
AC Side View



Top View

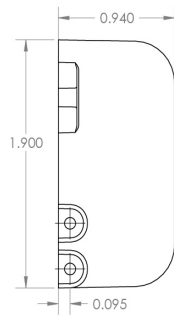


DC Output Leads

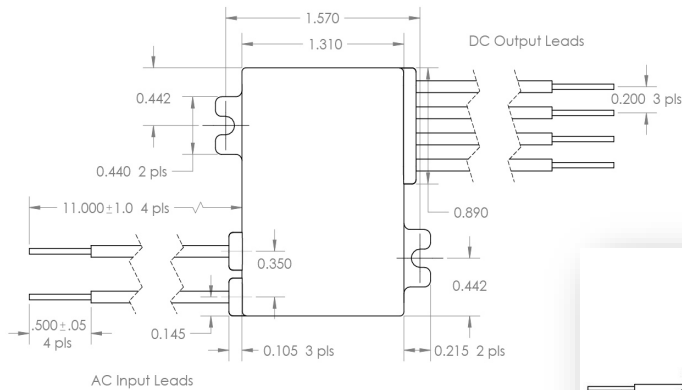


Dimming (BPWXL D)

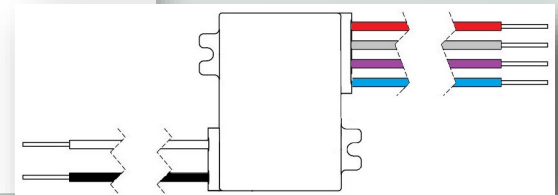
AC Side View



Top View



DC Output Leads



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com