

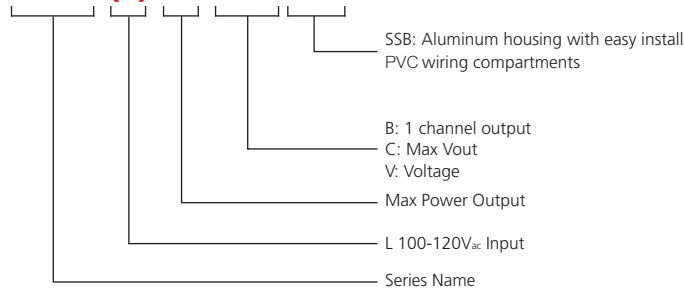
XLAV80

Constant Voltage Dimmable UL/cUL Listed LED Driver



MODEL SELECTION KEY

XLAV-(L)-80-124-SSB



LINEAR LIGHTING PRO DIMMABLE SERIES XLAV80

The Linear Lighting Pro Series is the ideal, dimmable powering solution for linear lighting applications. The XLAV80 is a 80W ULClass II, Constant-Voltage, phase dimmable, LED driver, capable of providing full range, 5-100%, smooth, flicker-free dimming.

This unit works with both forward/reverse phase (TRIAC/ELV) type dimmers and is unsurpassed in dimmer compatibility and performance. The unit is UL Listed with patent pending and has integral wiring compartment for easy installation.

FEATURES

- Wide Dimmer compatibility-supports most phase type dimmers in the market, including leading edge and trailing edge, electronic low voltage (ELV), TRIAC.
- Dimming Range: 5-100%
- Integral wiring compartments for reduced installations costs
- Active Power Factor Correction, PF > 0.9
- Built-in protection: SCP, OTP, OVP, OCP
- UL Class II, cUL, CE, FCC Title 47 CFR 15 Class B, PSE
- IP 65
- Up to 5 years warranty
- Minimum Load: 24 Watts



Model Number	Channel(s) Output	Output				Max Output Power (per Channel) (W)	Rated Output Power (per Channel) (W)	
		Vout (VDC)	Loading Current (with dimmer) per Channel (A)		Loading Current (without dimmer) per Channel (A)		max	
			min	max	min			max
100-120V _{ac} Models								
XLAV-(L)-80-124-SSB	1	24	1.16	3.30	.17	3.30	79.2	80

FC = Patented, easy install enclosure with integral wiring compartments

SPECIFICATIONS ARE SUBJECT TO CHANGE AT MANUFACTURER'S DISCRETION AND WITHOUT NOTICE.

INPUT SPECIFICATION

Voltage Range	Frequency Range	Max Inrush Current	Power Factor	Max Input Current
XLAV(L) Low Input: 90-130 VAC	47-63 Hz	XLAV(L): 120VAC @ 25 °C, cold start-up	0.9 min	1.1 A @ 100 VAC Input

OUTPUT SPECIFICATION

Max Power	80W	Noise Ripple	10% of Rated Output Voltage*
Line Regulation	+/- 10% Max	Short Circuit Protection	Hiccup-Mode, Auto-Recovery upon removal of short circuit condition
Current Regulation	N/A	Over Voltage Protection	105% of Voltage (typ) Min
Efficiency	80% (min)	Over Current Protection (OCP)	Hiccup-mode
Start-up Time	2 sec. Typical	Over Temperature Protection	Shutdown–auto recovery
Hold-up Time	0.5mS @ full load, 100VAC input	Load Regulation	< 5%

*All noise measurements made at the output terminals, connected to a 20MHz low pass filter

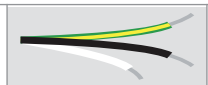

ENVIRONMENTAL SPECIFICATION

MTBF	Cooling	Operating Temp	Storage Temp	Relative Humidity
80,000 hours (Full load @ 25°C Ambient, Based on MIL-217F)	Convection	-40°C to 60°C (Full load)	-40°C to 85°C	5% - 95%

COMPLIANCE / SAFETY

EMI/RFI	ISPR-22 Class B, FCC part 15 Class B, EN55015, EMC		
Safety Standards	UL 1012, 1310 Class 2, UL 8750, UL 879, CSA C22.2 No.107.1 CE(IEC/EN61347-1, IEC/EN61347-2-13)		
Weatherability	IP 65		

SUPPORTED DIMMING OPTIONS

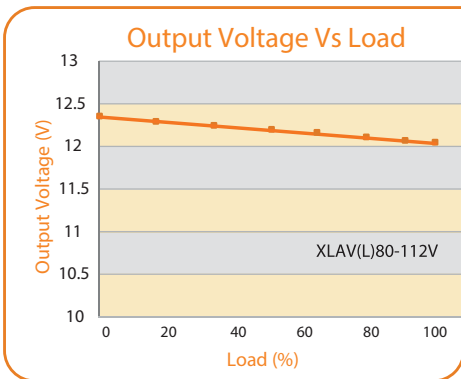
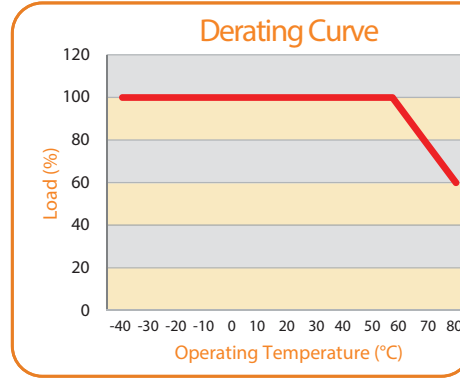
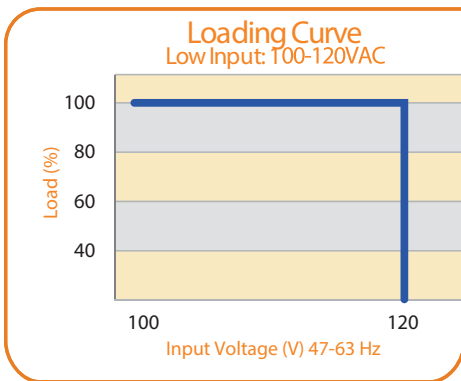
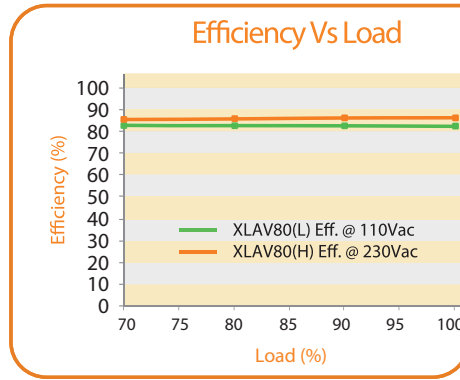
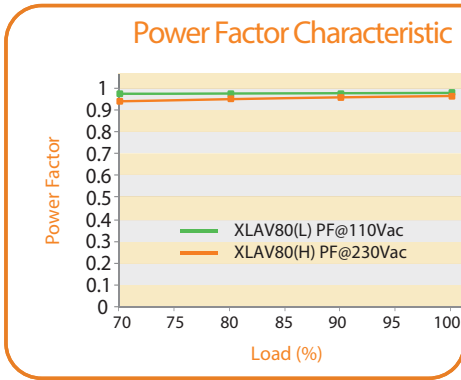
TRIAC/ ELV (Trailing/Leading Edge)/ SCR		
INPUT		UL1015 rated 18AWG
OUTPUT		

MECHANICAL

Material: NEMA 3 Design with aluminum extruded enclosure, with IP65 Waterproof and PVC wiring compartments, fully potted PCB.

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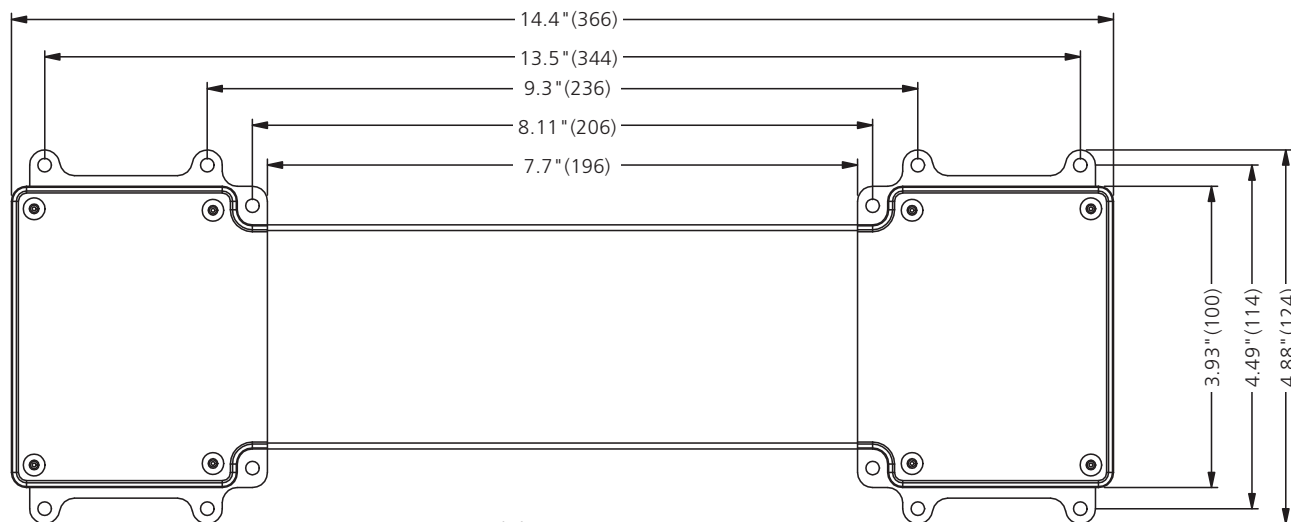
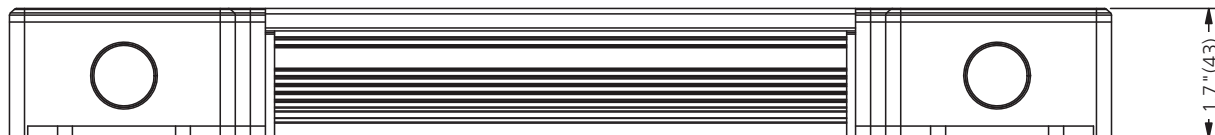
PERFORMANCE CURVES



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DIMENSIONS

PLEASE REFER TO PRODUCT INSTALLATION INSTRUCTIONS FOR WIRING DIAGRAMS



XLAV-(L)-80-124-SSB

Weight 3.08lbs

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