

NEW



SERIES PSX

Xtanium™ LED Electronic Drivers

**Indoor and Outdoor Class 2 Rated Power Units
for Prolume Series LIA, RIA and RLA Assemblies**

**Energy Efficient, High Output,
LED Lighting Products**

LED Driver Specifications

PROLUME MODEL NUMBER	FIG	OUTPUT (DC)			INPUT (AC)			NOTES
		POWER	CURRENT	VOLTAGE	POWER	VOLTS	CURRENT	
PSX-350/O	C	10.0W	.35A	2.8~28.0	15.0W	120V	.14A	1, 3, 6
PSX-350/I	A	12.0W	350mA	2.6~32.8	21.5W	120V	.2A	1, 2
PSX-700/O	C	17.0W	.70A	7.8~24.0	21.5W	120V	.2A	1, 3, 6
PSX-700/I	A	17.0W	700mA	7.8~24.6	21.5W	120V	.2A	1, 2
PSX24-17	A	17.2W	.75A	24.0	15.0W	120V	.14A	2, 4
PSX24-25	B	25.2W	1.05A	24.0	31.9W	120V	.3A	3, 4
PSX24-25D	B	25.2W	1.05A	24.0	31.9W	120V	.3A	3, 4, 5
PSX24-40	B	40.8W	1.8A	24.0	51.0W	120V	.5A	3, 4
PSX24-80/O	D	80.0W	3.3A	24.0	100.0W	120V	.67A	3, 4, 6
PSX24-100/O	D	100.0W	4.1A	24.0	117.0W	120/277V	.98/.42A	3, 4, 6

NOTES:

- 1. CONSTANT CURRENT OUTPUT
- 2. W / CONNECTOR LEADS
- 3. W / HARDWIRED LEADS
- 4. CONSTANT VOLTAGE OUTPUT
- 5. DIMMING (0-10VDC)
- 6. OUTDOOR RATED

Technical Specifications

Total Harmonic Distortion: 20% maximum
 Power Factor: 90% minimum
 Efficiency: 80% minimum
 Line Regulation: 1% output across input voltage range
 Load Regulation: 5% output voltage across load range
 Current Crest Factor: 1.5 maximum
 EMI: FCC Class A or B
 Humidity: 80% RH
 Operating Temperature Range: 60°C/140°F to -40°C/-40°F
 UL and CUL Recognized
 UL File Number: E220165
 Protection: Inherent short-circuit protection, self limited;
 Overload protected; 3.2kv 60hz insulation



HIGHLY INNOVATIVE • TECHNOLOGY BASED • QUALITY LIGHTING PRODUCTS

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Dimensional and Wiring Specifications

Figure A

Dim: 5.2" L x 1.18" W x .88" H

AC Input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire. Line (black), Neutral (white).

DC Output: Tyco-AMP connection cable 1365323-1. (Termination wiring provided)



Figure B

Dim: 3.03" L x 3.27" W x 1.33" H

AC Input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire. Line (black), Neutral (white). Ground (green).

DC Output: WAGO 4-pin wire trap, 20AWG solid or tinned stranded. Positive (red), Negative (blue), 0-10vdc dimming controls, if applicable (violet and gray).

(Termination wiring provided)



Figure C

Dim: 5.2" L x 1.35" W x .99" H

AC Input: 6-inch 18AWG leads, Line (black), Neutral (white).

DC Output: 6-inch 18AWG leads, Positive (red), Negative (blue).

(Termination wiring integral)

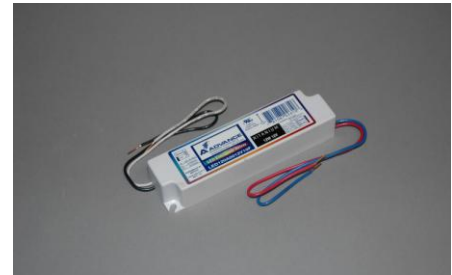


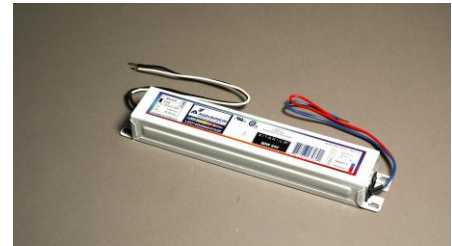
Figure D

Dim: 9.5" L x 1.70" W x 1.18" H

AC Input: 9-inch 18AWG leads, Line (black), Neutral (white).

DC Output: 9-inch 18AWG leads, Positive (red), Negative (blue).

(Termination wiring integral)



Class 2 Power / Wiring Guidelines

NEC provides a definition and the field application requirements relating to the wiring and power limits of Class 2. They include...

- Only the **load side** of a DC power supply can meet Class 2 requirements.
- Class 2 limits outputs to **30VDC maximum** with a capacity limitation to **100 watts**. See Note 1.
- Class 2 requires **dry indoor use**. See Note 2.
- **Two or more** Class 2 **circuits** are permitted in the **same cable, raceway or enclosure** but must be **separate from other circuits**.

Note 1 – The total wattage of the power supply may exceed 100 watts (i.e. 300 watts) provided that distribution within the supply allows for circuiting to accommodate the 100 watt maximum (i.e. 3 or more distribution circuits would be required).

Note 2 – For Class 2 installation in outdoor environments, power supplies must be installed either indoors or in an appropriately rated NEMA type weatherproof enclosure.