



# PS-UNIVERSAL Family

# Universal Power Supplies



### Features

- PS-UNI-W with IP66 rating for wet and dry locations
- PS-UNI-D with IP20 rating for dry location only (SEE NOTE FOR WHAT VENDOR SPEC SAYS)
- Constant voltage output
- Input Voltage: 120-277VAC
- Compatible with Triac, MLV, ELV, 0-10V, PWM dimmers
- Flicker-free dimming
- Cooling by free air convection
- Full protection metal case
- Auto reset breakers, from short circuit, overloading, & over temperature
- 5 year Warranty

### Technical Information



IP66 MODEL		PS-UNI-W-30-24	PS-UNI-W-60-24	PS-UNI-W-96-24	PS-UNI-W-3x96-24	
ELECTRICAL	Voltage/Frequency	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	
	Inrush Current	7A, 420us @ 50% 120V AC 12A, 480us @ 50% 277V AC	22.4A, 82us @ 50% 120V AC 42.4A, 47us @ 50% 277V AC	20A, 1.6ms @ 50% 120V AC 25A, 1.2ms @ 50% 277V AC	35A, 960us @ 50% 120V AC 43A, 1ms @ 50% 277V AC	
	Power Factor	0.99 @ 120V <sup>1</sup> 0.95 @ 277V <sup>1</sup>	0.98 @ 120V <sup>1</sup> 0.95 @ 277V <sup>1</sup>	0.98 @ 120V <sup>1</sup> 0.95 @ 277V <sup>1</sup>	0.99 @ 120V <sup>1</sup> 0.95 @ 277V <sup>1</sup>	
	Efficiency	0.79 @ 120V <sup>1</sup> 0.80 @ 277V <sup>1</sup>	0.84 @ 120V <sup>1</sup> 0.86 @ 277V <sup>1</sup>	0.83 @ 120V <sup>1</sup> 0.86 @ 277V <sup>1</sup>	0.87 @ 120V <sup>1</sup> 0.91 @ 277V <sup>1</sup>	
	Maximum Input Current	0.5A @ 100V AC	≤ 0.9A	1.3A	3.4A @ 100V AC	
	Maximum Output Power	30W	60W	96W	3 x 96W	
	Maximum Output Current	1.25A	2.5A	4.0A	3 x 4.0A	
	Output Voltage	24V DC	24V DC	24V DC	24V DC	
	Total Harmonic Distortion	< 20% <sup>2</sup>	< 20% <sup>2</sup>	< 20% <sup>2</sup>	< 20% <sup>2</sup>	
	Start Up Time	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	
	Minimum Load	10%	10%	10%	10%	
	Dimming (0-10V)	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	
	Dimming (Phase)	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	
0-10V Current Draw	0.2mA	0.2mA	0.2mA	0.2mA		
RATING	Environment	Wet IP66	Wet IP66	Wet IP66	Wet IP66	
	Compliance	UL 8750	UL 8750	UL 8750	UL 8750	
	Ambient Operating Temperature Range	-40 to 60°C	-40 to 60°C	-40 to 60°C	-40 to 60°C	
DIMENSIONS	Length	A	6.50"	7.40"	8.66"	11.85"
	Width	B	3.73"	3.73"	3.73"	4.32"
	Height	C	1.61"	1.61"	1.61"	1.81"
	Net. Weight		2.0 lbs	2.4 lbs	2.8 lbs	5.2 lbs
IP20 MODEL		PS-UNI-D-30-24	PS-UNI-D-60-24	PS-UNI-D-96-24	PS-UNI-D-3x96-24	
ELECTRICAL	Voltage/Frequency	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	120-277V AC @ 50/60Hz	
	Inrush Current	70A @ 277V	70A @ 277V	80A @ 277V	90A @ 277V	
	Power Factor	> 0.94 @ 120-277V*	> 0.94 @ 120-277V*	> 0.94 @ 120-277V*	> 0.9 @ 120-277V*	
	Efficiency	0.80 @ 120V* 0.80 @ 277V*	0.84 @ 120V* 0.85 @ 277V*	0.83 @ 120V* 0.86 @ 277V*	0.90 @ 120V* 0.92 @ 277V*	
	Maximum Input Current	0.35A @ 120V 0.17A @ 277V	0.75A @ 120V 0.33A @ 277V	1.05A @ 120V 0.45A @ 277V	3.00A @ 120V AC 1.80A @ 277V AC	
	Maximum Output Power	30W	60W	96W	3 x 96W	
	Maximum Output Current	1.25A	2.5A	4.0A	4.0A	
	Output Voltage	24V DC	24V DC	24V DC	24V DC	
	Total Harmonic Distortion	< 20% <sup>2</sup>	< 20% <sup>2</sup>	< 20% <sup>2</sup>	< 20% <sup>2</sup>	
	Start Up Time	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	< 0.5S <sup>3</sup>	
	Minimum Load	10%	10%	10%	10%	
	Dimming (0-10V)	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	
	Dimming (Phase)	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	1% - 100% LOG	
0-10V Current Draw	0.25mA	0.25mA	0.25mA	0.25mA		
RATING	Environment	Dry IP20   NEMA 3R	Dry IP20   NEMA 3R	Dry IP20   NEMA 3R	Dry IP20   NEMA 3R	
	Compliance	UL 8750	UL 8750	UL 8750	UL 8750	
	Ambient Operating Temperature Range	-40 to 60°C	-40 to 60°C	-40 to 60°C	-40 to 60°C	
DIMENSIONS	Length	A	6.50"	7.40"	8.11"	9.94"
	Width	B	3.73"	3.73"	5.60"	7.61"
	Height	C	1.61"	1.61"	1.83"	2.02"
	Net. Weight		2.0 lbs	2.0 lbs	4.0 lbs	8.0 lbs

1 - at MAX Load

2 - under 120 - 277 VAC input with 80 - 100% load condition (For all output voltage)

3 - at 50 - 100% load, input 120V

### Ordering Code

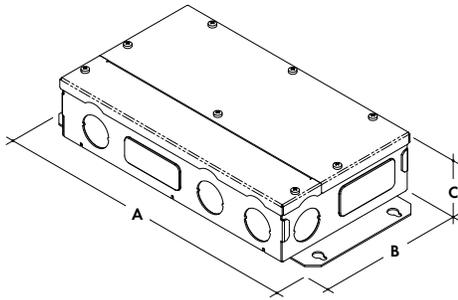
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V, Phase Dimming	D - Dry W - Wet	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

0-10V - 1% dimming  
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart

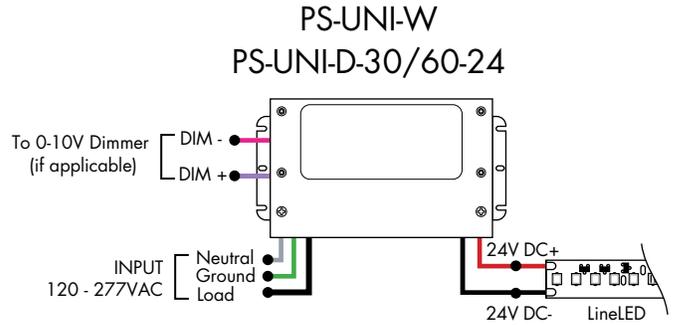
Compatibility:  
View a complete list of compatible dimmers on product page ([Link](#))



Product Dimensions

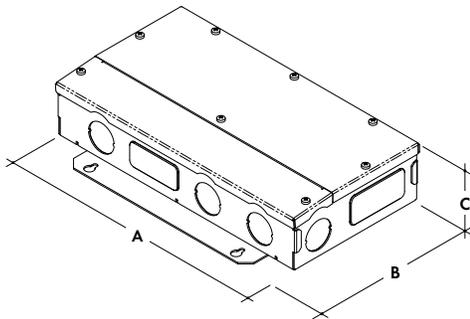


General Wiring Diagram

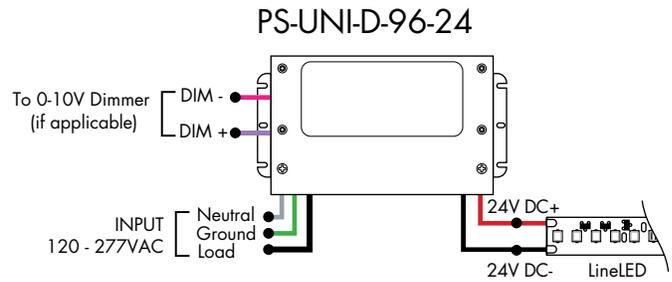


Note: Over the white, green, and black wires, connect to ELV and MLV dimmer.

Product Dimensions

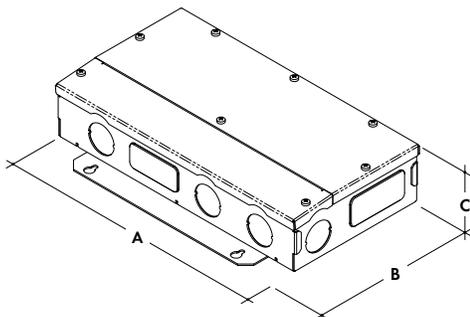


General Wiring Diagram

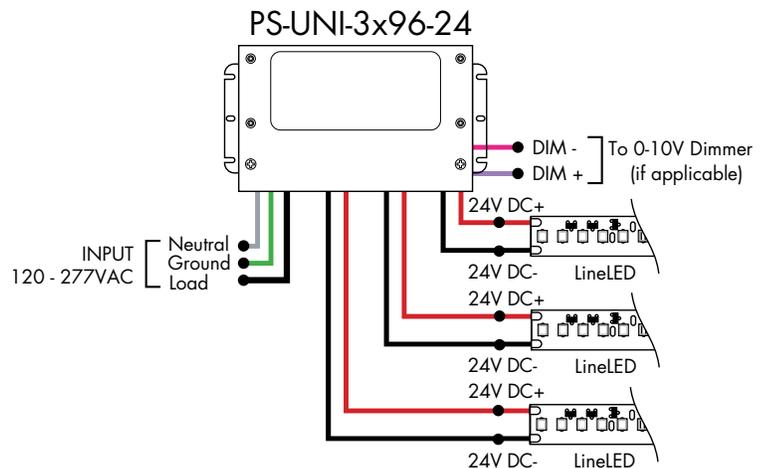


Note: Over the white, green, and black wires, connect to ELV and MLV dimmer.

Product Dimensions



General Wiring Diagram



Note: Over the white, green, and black wires, connect to ELV and MLV dimmer.