PS-UNIVERSAL Family | Universal Power Supplies



Features

- PS-UNI with IP66 rating for wet locations
- Constant voltage output
- Input Voltage: 120-277VAC
- Compatible with Triac, MLV, ELV, 0-10V, PWM dimmers
- Flicker-free dimming
- Dim-to-off, with minimum dimming percentage: 0.1%
- Cooling by free air convection
- Full protection metal case
- Auto reset breakers, from short circuit, overloading, & over temperature
- 5 year Warranty

CE · cULus LISTED · TITLE 24 JA8 COMPLIANT · FC · RoHS · CLASS 2 TYPE HL · IP66 · PLENUM RATED · Declare

Technical Information

PS-UNI MODEL			PS-UNI-30-24	PS-UNI-60-24	PS-UNI-96-24	PS-UNI-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[1] 0.95 @ 277V[1]	0.98 @ 120V[1] 0.95 @ 277V[1]	0.98 @ 120V[1] 0.95 @ 277V[1]	0.99 @ 120V[1] 0.95 @ 277V[1]
	Efficiency		0.79 @ 120V[1] 0.80 @ 277V[1]	0.84 @ 120V[1] 0.86 @ 277V[1]	0.83 @ 120V[1] 0.86 @ 277V[1]	0.87 @ 120V[1] 0.91 @ 277V[1]
	Driver Heat Dissipation		27.21 BTU/hr @ 120V[1] 25.59 BTU/hr @ 277V[1]	38.99 BTU/hr @ 120V[1] 33.33 BTU/hr @ 277V[1]	67.09 BTU/HR @ 120V[1] 53.32 BTU/HR @ 277V[1]	146.83 BTU/HR @ 120V[1] 97.19 BTU/HR @ 277V[1]
	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%[2]	< 20%[2]	< 20%[2]	< 20%[2]
	Start Up Time		< 0.5S[3]	< 0.5S[3]	< 0.5S[3]	< 0.5S[3]
	Minimum Load		10%	10%	10%	10%
	Dimming (0-10V)		0.1% - 100% LOG	0.1% - 100% LOG	0.1% - 100% LOG	0.1% - 100% LOG
	Dimming (Phase)		0.1% - 100% LOG	0.1% - 100% LOG	0.1% - 100% LOG	0.1% - 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°C to 60°C	- 40°C to 60°C	- 40°C to 60°C	- 40°C to 60°C
DIMENSIONS	Length	A	6.50"	7.40"	7.40"	11.90"
	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	2.9 lbs	5.2 lbs

1- at MAX Load

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

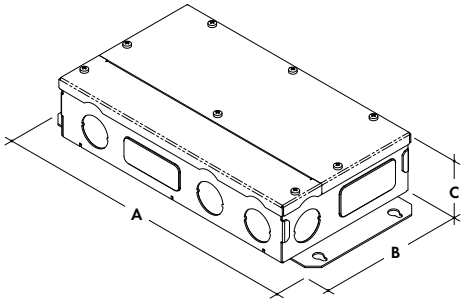
3 - at 50 - 100% load, input 120V

Ordering Code

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

Please note: PS-UNI series will start shipping from July 2025

Product Dimensions

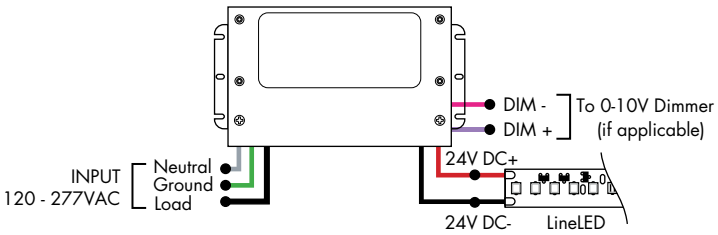


PS-UNI		30-24	60-24	96-24	3X96-24
Length	A	6.50"	7.40"	7.40"	11.90"
Width	B	3.73"	3.73"	3.73"	4.32"
Height	C	1.61"	1.61"	1.61"	1.81"

Note: Knockout size for 1/2" conduit

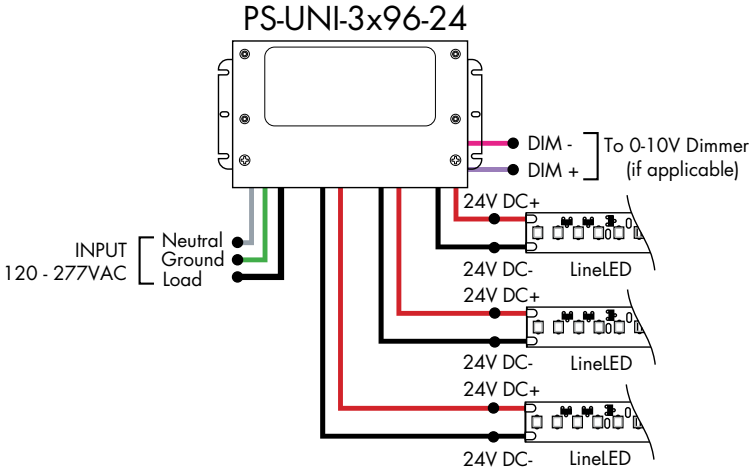
General Wiring Diagram

PS-UNI-30/60/96-24



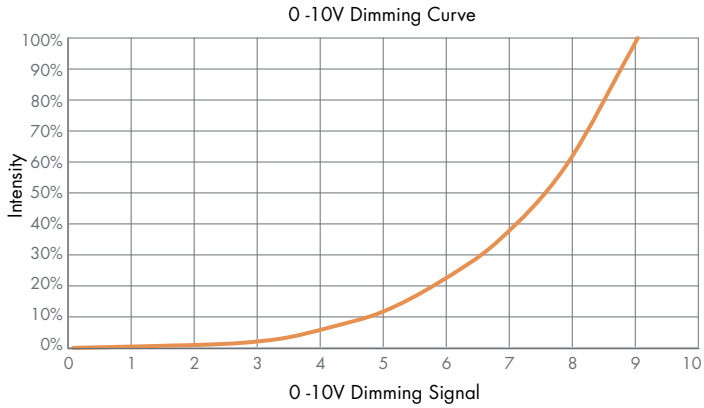
Note: Over the white, green, and black wires, connect to ELV and MLV dimmer.

PS-UNI-3x96-24

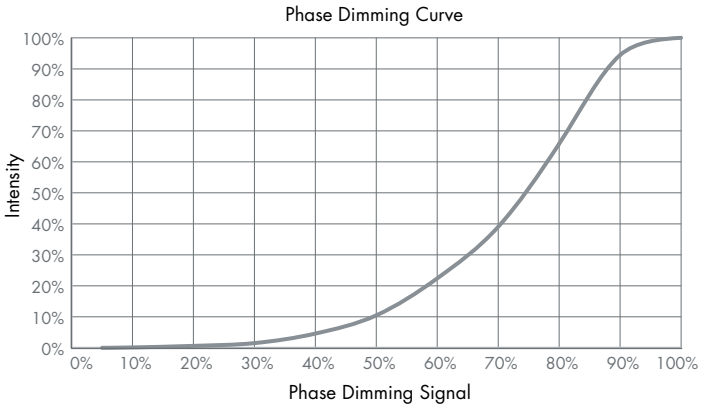


Note: Over the white, green, and black wires, connect to ELV and MLV dimmer.

Dimming Curve



*Equipment used for test: HomeWorks QS 0-10V Module, LL72 LED Tape



*Equipment used for test: HomeWorks Phase Adaptive Power Module, LL72 LED Tape