



The PSD series of LED power supplies are specifically designed to work with linear LED strip lights or modules. They feature aluminum heat dissipating housing, seamless forward phase dimming capability, and indoor/outdoor enclosure.

Dimming is possible with low-voltage magnetic dimmer. (see Luminii website for list of compatible dimmers)

Available with 120, 240, or 277 VAC input.



View table below for dimensions of available models.

Technical information

Model		PSD-48-24	PSD-96-24	*PSD-288-24
Input	Voltage / Frequency	120VAC, 240VAC, 277VAC @ 50/60Hz	120VAC, 240VAC, 277VAC @ 50/60Hz	120VAC, 240VAC, 277VAC @ 50/60Hz
	Current (Full load)	0.63A (120VAC), 0.33A (240VAC), 0.28A (277VAC)	1.12 (120VAC), 0.57 (240VAC), 0.50 (277VAC)	2.5 (120VAC)
	Efficiency	80%	80%	80%
	Power factor	0.85	0.85	0.85
	Load regulation	2%	2%	2%
	Line regulation	5%	5%	5%
Output	Voltage (Full load)	24 +/- 0.3 VDC	24 +/- 0.3 VDC	24 +/- 0.3 VDC
	Max Current (Full load)	2A (24VDC)	4A (24VDC)	4A x 3 (24VDC)
	Power (Wattage)	48W	96W	3 x 96W
	Wire or Terminal Connection	18AWG	18AWG	18AWG
	# Output Connection	1	1	3
Environment	Operating Environment Temperature	Minus 30°C to + 60°C	Minus 30°C to + 60°C	Minus 30°C to + 60°C
	Function Surface Temperature	40°C - +80°C	40°C - +80°C	40°C - +80°C
	Nema Rating	3R	3R	3R
	Plenum	Yes	Yes	Yes
	Class 2 Compliant	Yes	Yes	Yes
	Housing / Cooling	Cooling by free-air convection	Cooling by free-air convection	Cooling by free-air convection
Additional Information	Total Harmonic Distortion (THD) Load level: 0 - 90% 90 - 100%	THD 0.00% 0.01%	THD 0.00% 0.01%	THD 0.00% 0.01%
	Safety Standards	UL listed, US & CAN	UL listed, US & CAN	ETL listed, US
	Protections	Open circuit protected / manual reset overload protection	Open circuit protected / manual reset overload protection	Open circuit protected / manual reset overload protection
	Dimmable	Forward Phase	Forward Phase	Forward Phase
	Dimensions (A x B x C)	11.25" x 3.42" x 3.42"	11.25" x 3.42" x 3.27"	13.06" x 8.42" x 4.47"
	Weight	5.6 lbs	7.6 lbs	19 lbs
	Warranty	5 years	5 years	5 years

*Do not interconnect output circuits

Avoid mixing a 288 watt & 96 watt power supply models to the same dimming circuit.

Ordering code

Model	Power	Output	Input
PSD	48	24	
PSD - PSD series	48 - 48 W 96 - 96 W 288 - 288 W (3x 96W)	24 - 24 VDC	Blank - 120 V 240 - 240 V 277 - 277 V