

# LED Power Supply

# Preliminary Product Specifications

LP4240-XX-YZ-E Series Switch-Mode LED Driver	
Total Power	240 Watts
Input Voltages	90-264 VAC
Number of Outputs	Four or Three

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## SPECIAL FEATURES      ELECTRICAL SPECIFICATIONS

- Three (3) or Four (4) independent Class 2 outputs
- In compliance to EN61000-3-2, -3-3 Class D
- Low Inrush Current maximize number of hookup
- Incompliance to NEMA3, IP64 standards
- Suitable for damp or dry locations
- Suitable for wet location w/adequate connectors
- Aluminum extrusion enclosure, convection cool
- OCP, OTP and SCP w/ auto-recovery
- DIN Rail Mounting – Optional

Input range	90 to 264 VAC, Full range
Frequency	47 to 63 Hz
Power Factor	> 0.95 at full load, 115VAC
Inrush current	5.0 Amps maximum at 115VAC, cold start, 25° C
Input current	3.0Amps maximum at 115VAC
Efficiency	85% typical at 230VAC and maximum load
EMI filtering	47CFR, Part 2, Part 15 and Cispr PUB, 22 Class A
Maximum power	240W total
Line Regulation	1%
Load Regulation	±3%
Ripple Noise	3% typ.
Leakage Current	2mA @ 110VAC, 4mA @ 230VAC
Hold up time	Half cycle minimum at 120 VAC and 80% of rated load
Protection	Over-voltage, Over-current, Over-temp. and Short circuit protection

## ENVIRONMENTAL

Operating temperature:	-30 to 70 ° C (De-rating : 2.5% per ° C from 50°C~70°C )
Storage temperature:	-40 to 85 ° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC :	Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B

## SAFETY

UL/cUL	UL48, Class 2
CE	Certified

## MODEL INFORMATION

Model #	DC Output				Output per Channel (Watts)	Total Output (Watts)
	Channel 1 (VDC/Amp)	Channel 2 (VDC/Amp)	Channel 3 (VDC/Amp)	Channel 4 (VDC/Amp)		
LP4240-12-YZ-E	12VDC	12VDC	12VDC	12VDC	60	240
	0 ~ 5 Amp	0 ~ 5 Amp	0 ~ 5 Amp	0 ~ 5 Amp		
LP4240-15-YZ-E	15VDC	15VDC	15VDC	15VDC	60	240
	0 ~ 4 Amp	0 ~ 4 Amp	0 ~ 4 Amp	0 ~ 4 Amp		
LP4240-24-YZ-E	24VDC	24VDC	24VDC	24VDC	60	240
	0 ~ 2.5 Amp	0 ~ 2.5 Amp	0 ~ 2.5 Amp	0 ~ 2.5 Amp		
LP3240-24-YZ-E	24VDC	24VDC	24VDC	---	80	240
	0 ~ 3.3 Amp	0 ~ 3.3 Amp	0 ~ 3.3 Amp	---		

## MECHANICAL DRAWING

### Model Information – Single DC output

#### LP4240-XX-YZ-E

- XX – DC outputs
- Y – AC input connector (T – Terminal Block or G – Gland)
- Z – DC output connector (T – Terminal Block or G – Gland)
- E – Aluminum extrusion enclosure length (Refer to mechanical drawing)