

LP1096-XX-Cnnnn Series

96 Watts | 100 - 277VAC

PRODUCT FEATURE

- UL8750 cUL Class 2 recognized/ UL1012 pending
- Various DC output available, max 96 Watts
- Suitable for dry and damp locations
- Designed for outdoor or indoor applications.
- Unique form-factor suitable for low to high bay LED luminaries and architectural lights.
- Active PFC reduces power consumption
- PWM, 0-10V and VR dimmable (CC only)

ELECTRICAL SPECIFICATIONS

INPUT RANGE	: Full range 100 - 277VAC/ 1.5A - 0.75A
FREQUENCY	: 47 to 63Hz
PF & THD	: > 0.92 at full load, 115VAC; < 20% 50% or higher load, 115VAC
DC OUTPUT RIPPLE	: Typ. 10%
INRUSH CURRENT	: 40.0 Amps maximum at 230VAC, cold start, 25°C
SURGE IMMUNITY	: 6KV ring-wave
INPUT CURRENT	: 1.5Amps, maximum at 100VAC
EFFICIENCY	: 85% typical at 115VAC maximum load
EMI FILTERING	: 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class A
MAXIMUM POWER	: 96W
LOAD REGULATION	: ±5%
LEAKAGE CURRENT	: 0.75mA @ 230VAC
HOLD UP TIME	: Half cycle minimum at 120VAC and 80% of rated load
PROTECTION	: Over-voltage, Over current and Short circuit protection: Auto-recovery

ENVIRONMENTAL

OPERATING TEMPERATURE	: -40 to 70°C (De-rating: 2.5% per °C from 50°C)
STORAGE TEMPERATURE	: -40 to + 85°C
HUMIDITY (NON-CONDENSING)	: 5% to 95%
COOLING	: Convection
VIBRATION FREQUENCY	: 5 to 50Hz
MTBF	: >100,00 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	UL8750/ cUL Class 2 - E326521
	UL1012 (Apply high voltages) - Pending
CE	Certified

WARRANTY

- See [Limited Warranty Policy](#) for more additional information.



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MODEL NUMBER	Constant Voltage Mode Output		Constant Current Mode Output		Total output (Watts)
	Adjust range (Vdc)	Current range (mA)	Voltage range (Vdc)	Adjust range (mA)	
LP1096-48-Cnnnn	36 ~ 52, $\pm 5\%$	240 - 2400	30 - 56	1200 - 1800/ 2400	96
LP1096-36-Cnnnn	28 ~ 42, $\pm 5\%$	320 - 3200	24 - 42	1600 - 2300/ 3200	96
LP1096-24-Cnnnn	18 ~ 28, $\pm 5\%$	500 - 5000	14 - 28	2500 - 3400/ 5000	96
LP1096-168	N/A		80 - 168	500 - 700	96
LP1096-112	N/A		50 - 112	1000 - 1250	96

MECHANICAL DRAWING LP1090-XX-Cnnnn-DDDD

XX - DC output

Cnnnn - "C": Constant Current output or blank: Constant Voltage

nnnn - Output Current in mA.

DDDD - Dimming function (Optional or blank) 010V or PWM or VR (Gray/ D-; Purple/D+; Yellow/ 12VDC/ 20mA)

