

LED Driver

Product Specifications

LP1096-XX-Cnnnn Series Switch-Mode LED Driver	
Total Power	96 Watts
Input Voltages	100-277VAC
Number of Outputs	One

ANZ#: Z221b, December 11, 2014

SPECIAL FEATURES

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

ELECTRICAL SPECIFICATIONS

Input range	Full range 100-277VAC / 1.5A~0.75A
Frequency	47 to 63 Hz
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 Cisp PUB, 22 Class A
Maximum power	96W
Load regulation	±5%
Leakage Current	0.75mA @ 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: 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 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC :	Compliant to 47CFR, Part 2, Part15 and Cisp PUB, 22 Class B

SAFETY

UL	UL8750 / cUL Class 2 – E326521
CE	UL1012 (apply to high voltages) - Pending Certified

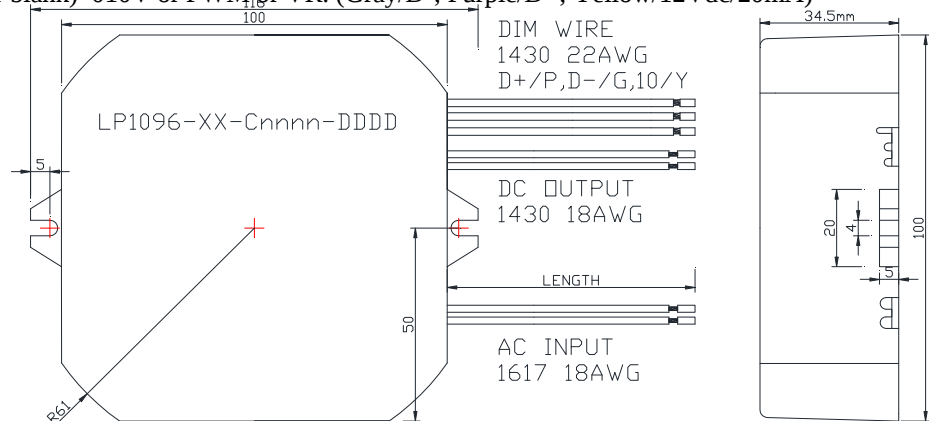
MODEL INFORMATION – SINGLE OUTPUT

Model Numbers	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	38 ~ 54, ± 5%	240 ~ 2400	30 ~ 56	1200~1800/2400	96
LP1096-36-Cnnnn	28 ~ 42, ± 5%	320 ~ 3200	21 ~ 42	1600~2300/3200	96
LP1096-24-Cnnnn	18 ~ 28, ± 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 outputs ; **Cnnnn** = "C":constant 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)



UNIT:mm

