

LP-LS150P Series

High Power Constant Current LED Driver

Total Power	150 Watts max.
Input Voltages	110 - 277VAC
Number of Outputs	One

Preliminary Product Specifications

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SPECIAL FEATURES

- Universal AC input ranged from 100-300VAC
- Constant Current / Constant Voltage dual mode operation
- Fully potted, suitable for dry and damp location applications
- Active PFC to conserve power consumption
- UL8750 and CE compliant (pending)
- Wide selection of pre-adjusted C/C outputs

ENVIRONMENTAL

Operating temperature:	-20 to +50 °C
De-rating:	2% per Deg.C from 50-70 °C
Storage temperature:	-40 to +85 °C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration:	10 to 500 Hz, 2G 10min./1 cycle
MTBF:	>100,000 Hours at full load and 25°C ambient conditions



Picture shown above is not to scale

SPECIFICATIONS :

Input Range :	100 - 277VAC / 2.0 ~ 1.0A /47~63Hz	Power Factor: > 0.98 at full load, 115VAC
DC Output Range :	Refer to Model selection table	Operation Temp. : -20°C ~ +50°C , Tc : 85 °C
Efficiency :	88 - 90% Typical	Storage Temp. : -40°C ~ +85°C
Output Current / Voltage Regulation :	±5% / ±5%	MTBF(@25°C) : >100,000 Hours, MIL-217F
Protection (Constant Current mode) :	OCP,SCP – Auto Recovery	Regulation Compliance: UL8750, EN61347, EN55015, EN61547
Protection (Constant Voltage mode) :	OVP,OTP – Latch/Recycle	Dimension: 222 (L) x 68 (W) x 39 (H) mm

MODEL SELECTION :

Specs \ Model	LP-LS150P-12	LP-LS150P-15	LP-LS150P-24	LP-LS150P-30	LP-LS150P-36	LP-LS150P-48	LP-LS150P-54
Voltage Range ²	9 – 12V	11 – 15V	14 – 24V	22 – 30V	26 – 36V	33 – 48V	38 – 54V
Output Current	11A	10A	6.3A	5A	4.2A	3.2A	2.8A
Tolerance (A)	± 5%						
Max. Power	132W	150W	150W	150W	150W	150W	150W
Ripple Noise ³	150mV					200mV	300mV
Efficiency(Typ.)	88%			90%			
Tolerance (V) ⁴	± 5%						

Notes

1. All specifications not specified are measured at 230VAC / 25°C ambient temperature.
2. The output range is for constant current mode only.
3. Ripple/Noise are measured at 20MHz bandwidth with 0.1uF and 47uF capacitors in parallel.
4. Voltage tolerance: include line regulation, load regulation and start-up tolerance.

De-rating Curve



