

GENERAL INFORMATION

LED Driver Type	Constant Current
Maximum Wattage	100 Watts
Input Voltage	120 - 277 VAC ± 10% Universal
Input Frequency	50/60Hz
Total Harmonic Distortion	<20%

CASE STYLE I: METAL



ELECTRICAL SPECIFICATIONS

Watts	Rated Current	Output Voltage	Dimming Type	Input Voltage	Input Power	Input Current	Power Factor	Efficiency	Hatch Part Number
100W	NON-Dimming								
	700mA	72-143 VDC	Non-Dimming	120-277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0700N-UNV-I
	1050mA	48-95 VDC	Non-Dimming	120-277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-1050N-UNV-I
	*2100mA	24-48 VDC	Non-Dimming	120-277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-2100N-UNV-I
	0-10V Dimming								
	700mA	72-143 VDC	0-10V Dimming	120-277 VAC	108W	1.04/0.47A	>0.99	91%	LC100-0700Z-UNV-I
	1050mA	48-95 VDC	0-10V Dimming	120-277 VAC	108W	1.04/0.47A	>0.99	90%	LC100-1050Z-UNV-I
	*2100mA	24-48 VDC	0-10V Dimming	120-277 VAC	108W	1.04/0.47A	>0.90	90	LC100-2100Z-UNV-I

*Class 2 US ONLY

PRODUCT FEATURES

- Short circuit and overload protection
- Over temperature protection
- Suitable for dry and damp locations
- Withstanding voltage: I/P – O/P 2kVAC
- Surge rating: 2.5kV L-N, L/N-GND
- Operating temperature range: -40°C to 90°C (measured at Tcase)
- MTBF: 170,000 hours at 40°C ambient (~70°C Case temp)
- Inrush Current: <20A Max @230VAC, cold start 25°C
- Output Current tolerance +/- 5% @ 25°C
- 0-10V dimming range: 10%-100%

APPROVALS

- UL 8750 recognized component
- UL 8750 Class P
- EN61000-3-2
- EMC: Meets FCC47 CFR Part 15 (Class B) Consumer limits



WARRANTY

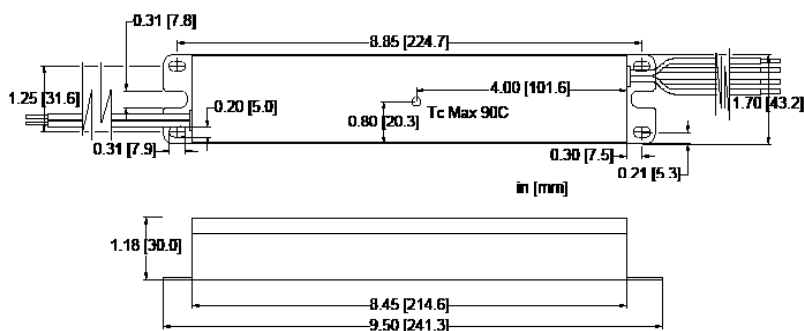
- 5 year limited warranty

PACKAGING INFORMATION

Weight:	12.2 oz
Quantity:	30pc/carton

Specifications subject to change without notice.

MECHANICAL SPECIFICATIONS: CASE STYLE I



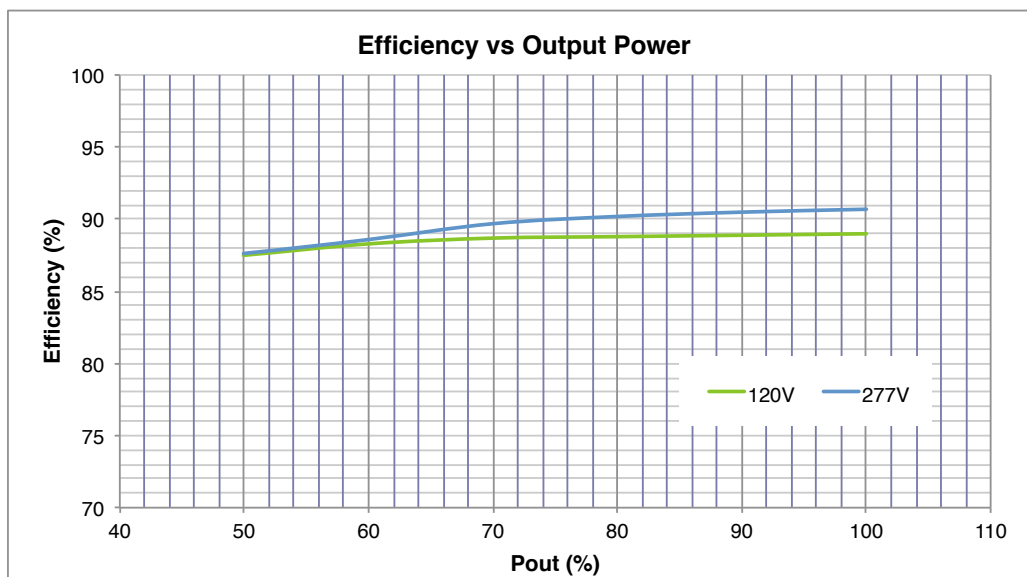
DIMENSIONS [IN/MM]

Length:	9.50 [241.3]
Mounting:	8.85 [224.7]
Width:	1.70 [43.2]
Height:	1.18 [30.0]

WIRING INFORMATION

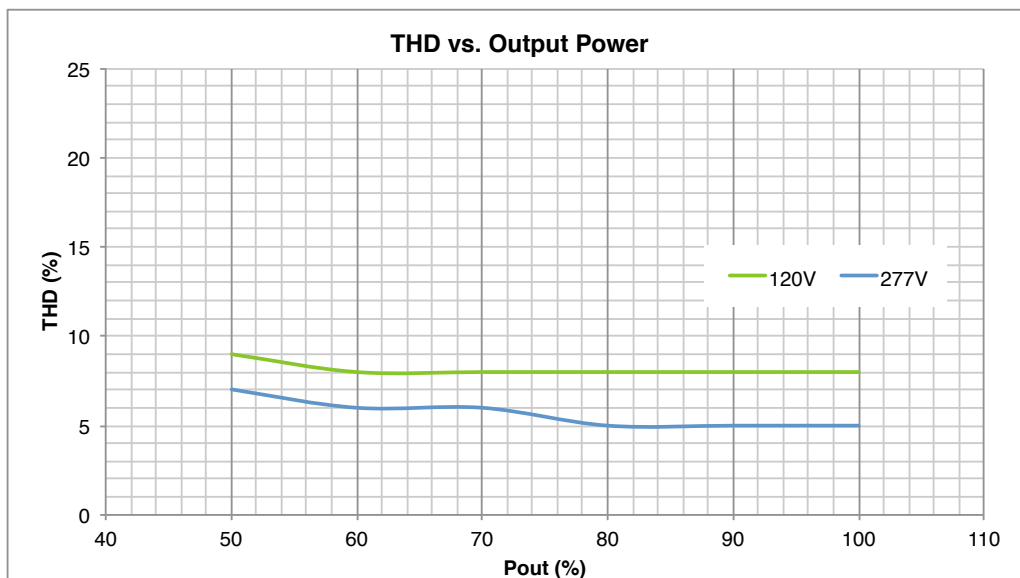
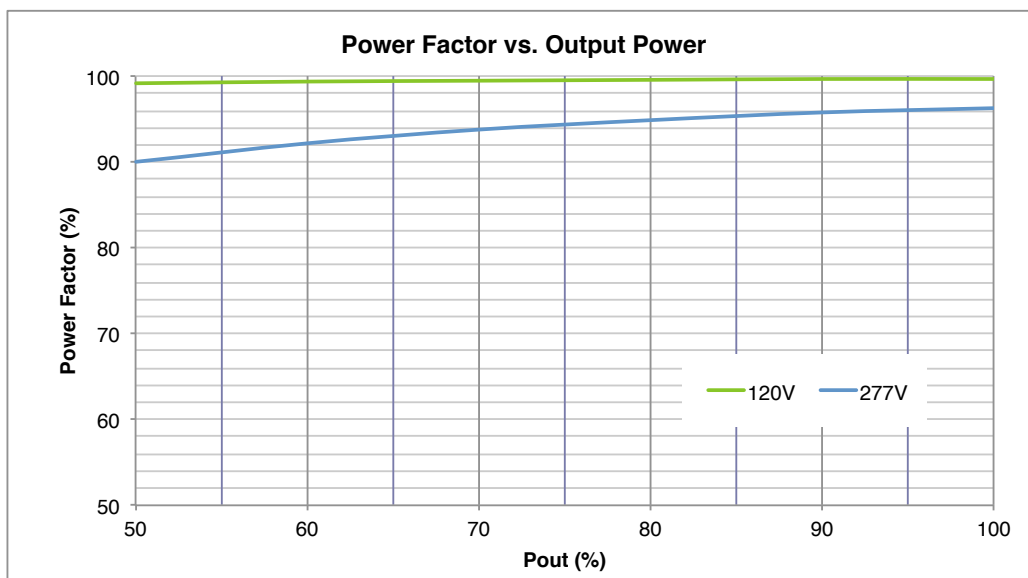
Input:	12", Black (L), White (N) 18AWG
Output:	12", Red (+), Blue (-) #22AWG
Dimming:	12", Purple (+), Grey (-) # 22AWG

PERFORMANCE CURVES



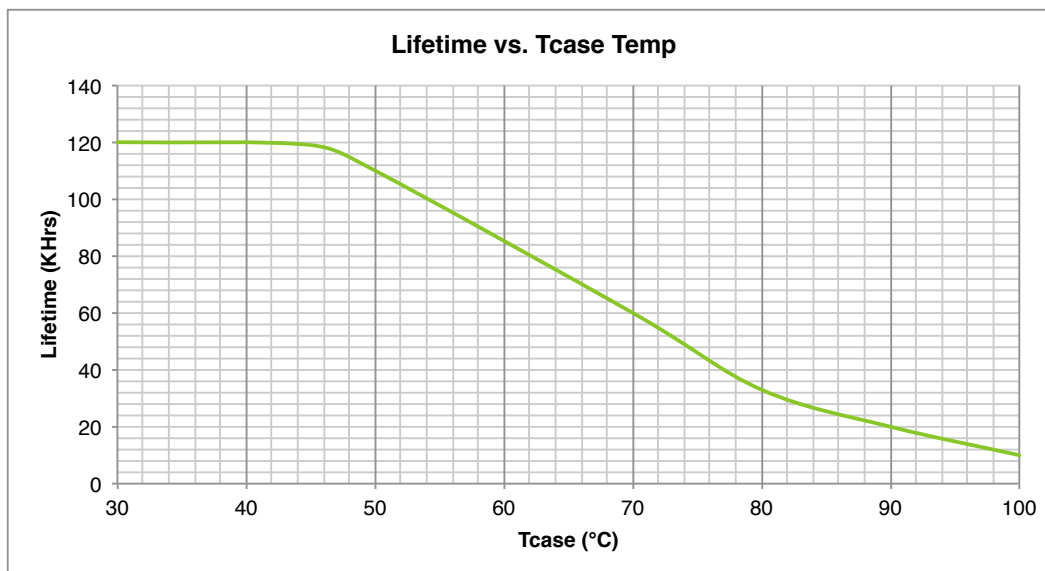
THD, PF and efficiency measured at 25°C.
Measurements made on model LC100-2100Z-UNV-I.

PERFORMANCE CURVES



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Mouser Electronics

Authorized Distributor

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