

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
Non-Dimming Models									
100W	530mA	94 - 189 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0530N-UNV-I
	600mA	83 - 167 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0600N-UNV-I
	700mA	72 - 143 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0700N-UNV-I
	800mA	63 - 125 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0800N-UNV-I
	900mA	56 - 111 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-0900N-UNV-I
	1000mA	50 - 100 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-1000N-UNV-I
	1050mA	48 - 95 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-1050N-UNV-I
	*† 2000mA	17 - 50 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-2000N-UNV-I *†
	*† 2100mA	24 - 48 VDC	Non-Dimming	120 - 277 VAC	108W	1.04/0.47A	>0.99	92%	LC100-2100N-UNV-I *†
Dimming Models									
100W	530mA	94 - 189 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-0530Z-UNV-I
	600mA	83 - 167 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-0600Z-UNV-I
	700mA	72 - 143 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-0700Z-UNV-I
	800mA	63 - 125 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-0800Z-UNV-I
	900mA	56 - 111 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-0900Z-UNV-I
	1000mA	52 - 104 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	91%	LC100-1000Z-UNV-I
	1050mA	48 - 95 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	90%	LC100-1050Z-UNV-I
	*† 2000mA	17 - 50 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	90%	LC100-2000Z-UNV-I *†
	*† 2100mA	24 - 48 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	90%	LC100-2100Z-UNV-I *†
	** 2750mA	18 - 36 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	89%	LC100-2750Z-UNV-I **
	**† 2800mA	17 - 35 VDC	0-10V Dimming	120 - 277 VAC	108W	1.07/0.47A	>0.90	89%	LC100-2800Z-UNV-I **†

*Class 2 US ONLY

**Class 2
† Class P

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



**TYPE
HL**

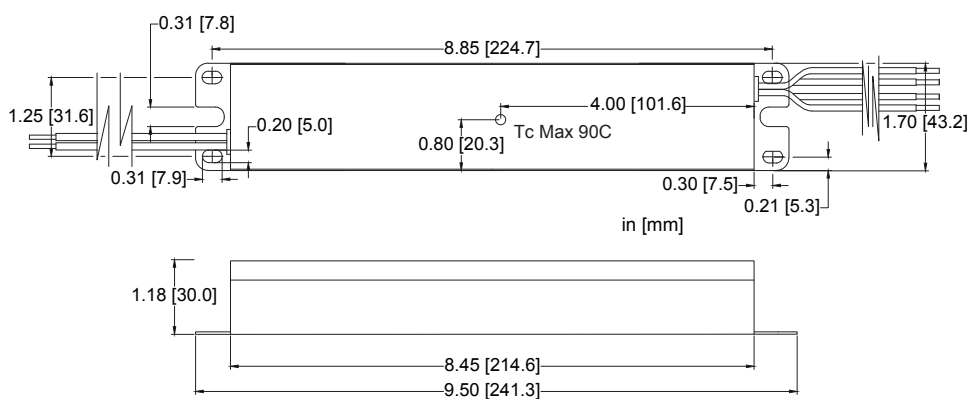
GENERAL INFORMATION

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CASE STYLE I: METAL



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

PACKAGING INFORMATION

Weight:	21.2 oz
Quantity:	30pc/carton

WARRANTY

- 5 year limited warranty

GENERAL INFORMATION

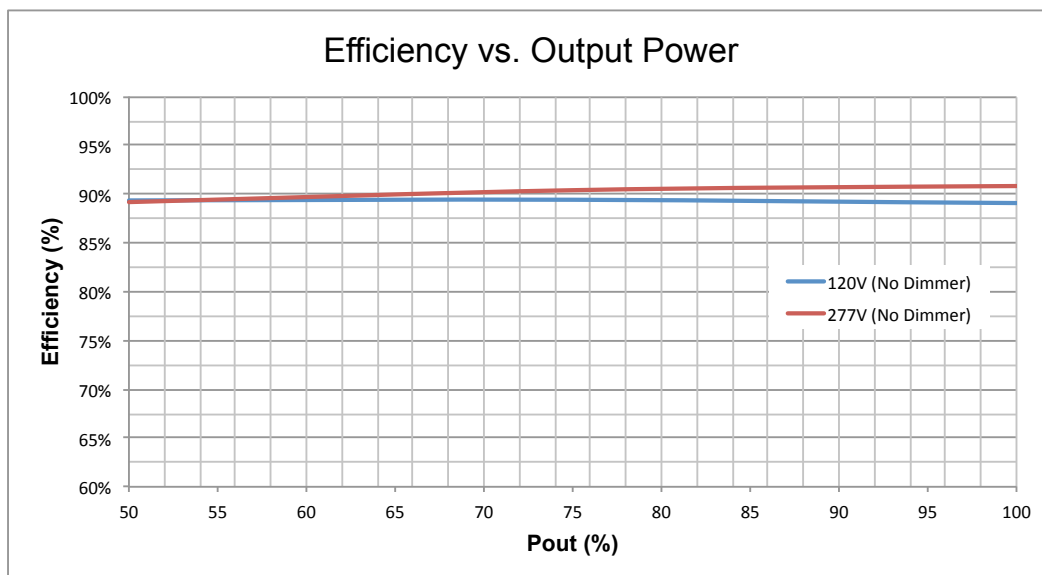
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CASE STYLE I: METAL

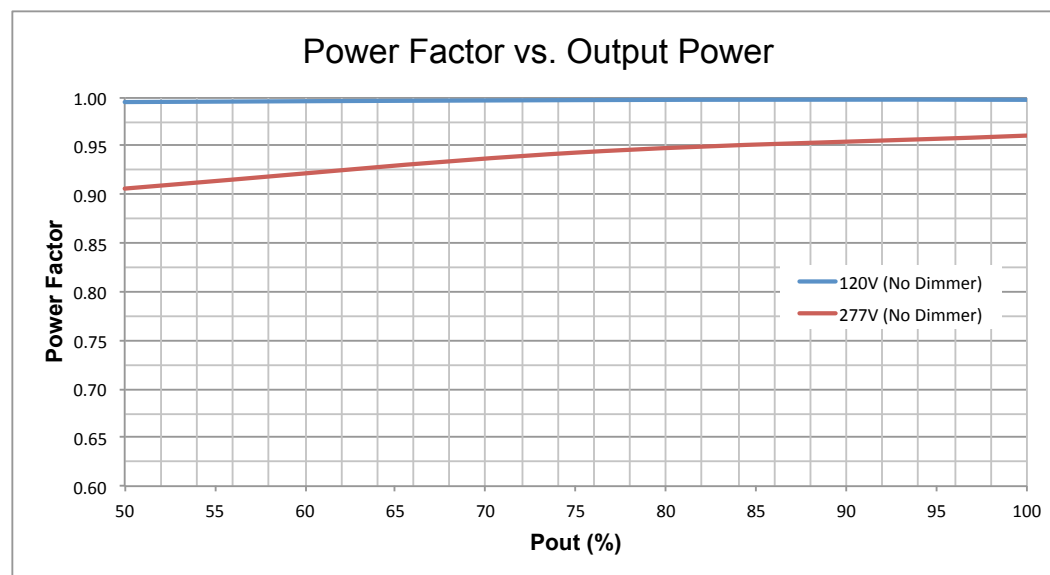


PERFORMANCE CURVES

Efficiency vs. Output Power



Power Factor vs. Output Power



THD, PF and efficiency measured at 25°C.

Measurements made on model LC100-2100Z-UNV-I.

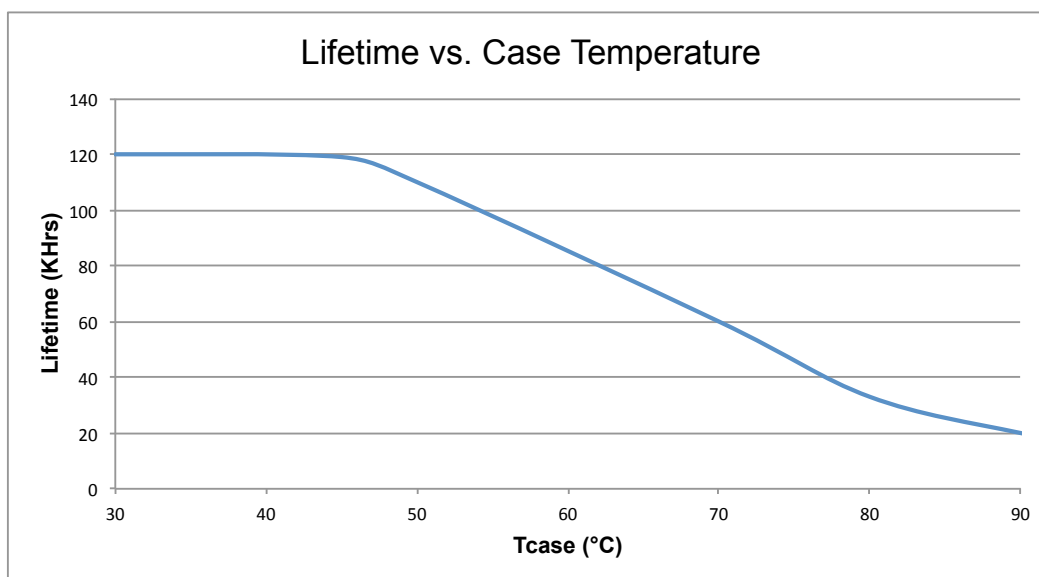
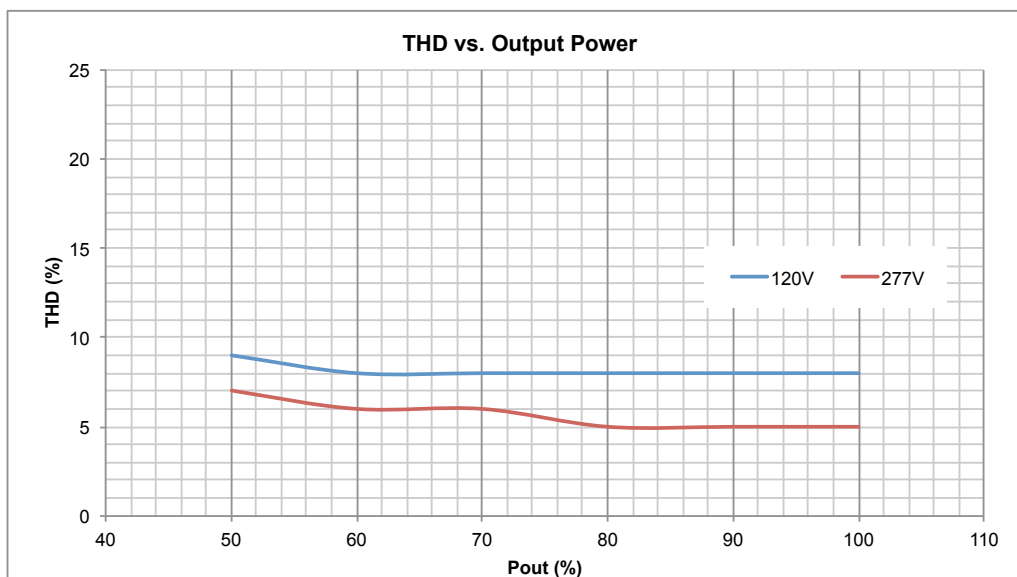
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