

GENERAL INFORMATION

LED Driver Type	Constant Current (Class 2)
Maximum Wattage	50 Watts
Input Voltage	120 - 277 VAC ± 10% Universal
Input Frequency	50/60Hz
Total Harmonic Distortion	<20%

CASE STYLE T: POLYCARBONATE



ELECTRICAL SPECIFICATIONS

Watts	Rated Current	Output Voltage	Dimming Type	Input Voltage	Input Power	Input Current	Power Factor	Efficiency	Hatch Part Number
Dimming Models									
50W	**530mA	47-97 VDC	0-10V Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	89%	LC50-0530Z-UNV-T
	**700mA	36-72 VDC	0-10V Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	88%	LC50-0700Z-UNV-T
	**830mA	30-60 VDC	0-10V Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	88%	LC50-0830Z-UNV-T
	*1050mA	24-48 VDC	0-10V Dimming	120 - 277 VAC	58W	0.50/0.23A	>0.90	87%	LC50-1050Z-UNV-T
	1400mA	18-36 VDC	0-10V Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	86%	LC50-1400Z-UNV-T
	1750mA	14-28 VDC	0-10V Dimming	120 - 277 VAC	59W	0.50/0.23A	>0.90	85%	LC50-1750Z-UNV-T
	2100mA	12-24 VDC	0-10V Dimming	120 - 277 VAC	60W	0.50/0.23A	>0.90	84%	LC50-2100Z-UNV-T
Dual-Dimming Models									
50W	*1050mA	24-48 VDC	Dual Dimming	120 - 277 VAC	60W	0.52/0.24A	>0.90	85%	LC50-1050D-UNV-T
	1200mA	21-42 VDC	Dual Dimming	120 - 277 VAC	60W	0.52/0.24A	>0.90	85%	LC50-1200D-UNV-T
	1400mA	18-36 VDC	Dual Dimming	120 - 277 VAC	60W	0.52/0.24A	>0.90	85%	LC50-1400D-UNV-T
	2100mA	12-24 VDC	Dual Dimming	120 - 277 VAC	60W	0.52/0.24A	>0.90	85%	LC50-2100D-UNV-T
Non-Dimming Models									
50W	**700mA	36-72 VDC	Non-Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	87%	LC50-0700N-UNV-T
	*1050mA	24-48 VDC	Non-Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	87%	LC50-1050N-UNV-T
	2100mA	12-24 VDC	Non-Dimming	120 - 277 VAC	57W	0.50/0.23A	>0.90	87%	LC50-2100N-UNV-T

**Non-Class 2

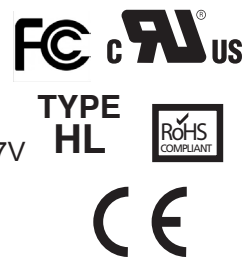
*Class 2 US Only

PRODUCT FEATURES

- Short circuit and overload protection
- Over temperature protection on dual dimming models
- Suitable for dry and damp locations
- Withstanding voltage: I/P – O/P 2kVAC
- Surge Rating: 2kV L-N
- Operating temperature range: -40°C to 90°C (measured at Tcase)
- MTBF: 235,000 hours at 40°C ambient (~70°C Case Temperature)
- Inrush Current: <20A Max @ 230VAC, cold start 25°C
- 0-10V dimming & non-dimming models are a two stage design
- Dual dimming: 0-10V (10%) and Reverse Phase only (@120V)
- Output Current tolerance +/- 5% @ 25°C
- 0-10V dimming range: 10%-100%

APPROVALS

- UL 8750 recognized component
- EN61000-3-2
- EMC: Meets FCC47 CFR Part 15 (Class B) consumer limits @ 120V
- EMC: Meets FCC47 CFR Part 15 (Class A) non-consumer limits @ 277V
- IP 66
- CE on Dual dim models only



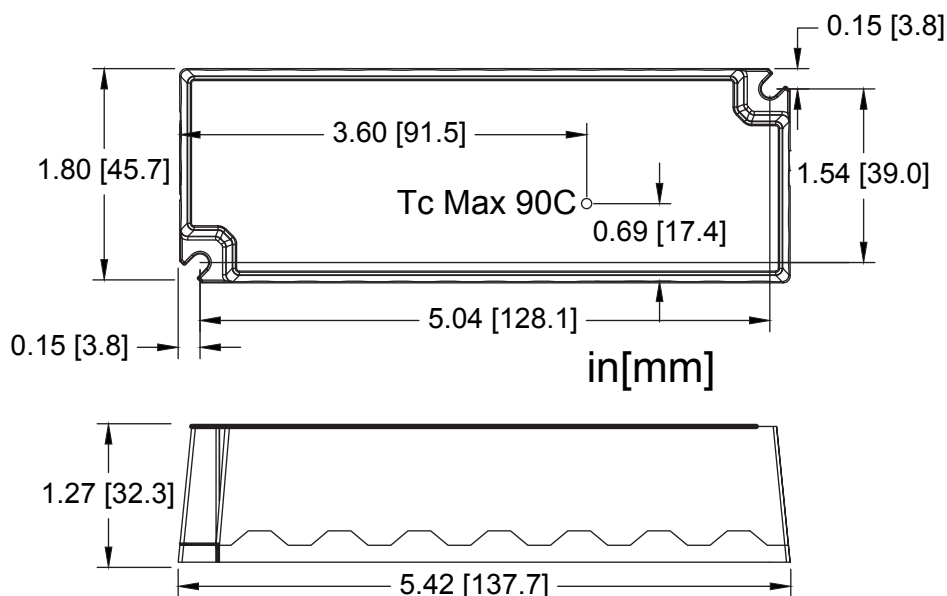
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CASE STYLE T: POLYCARBONATE



MECHANICAL SPECIFICATIONS: CASE STYLE T



DIMENSIONS [IN/MM]

Length:	5.42 [137.7]
Mounting:	5.04 [128.1]
Width:	1.80 [45.7]
Height:	1.27 [32.3]

WIRING INFORMATION

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

PACKAGING INFORMATION

Weight:	11 oz
Quantity:	40pc/carton

WARRANTY

- 5 year limited warranty

RELATED PRODUCT

- Case Style I: 9.50" x 1.70" x 1.18"
- Case Style F: 4.99" x 3.00" x 1.30"

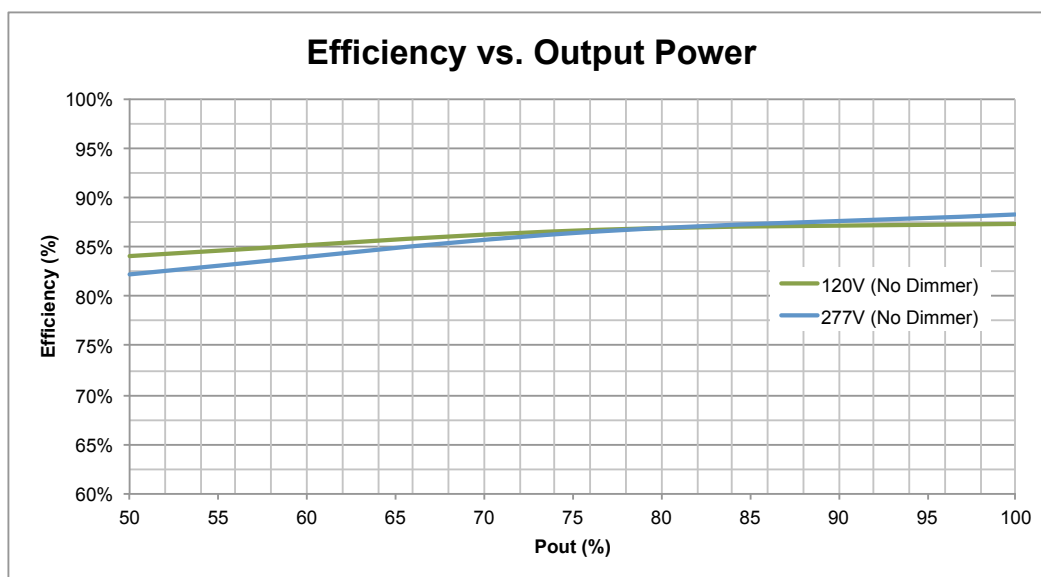
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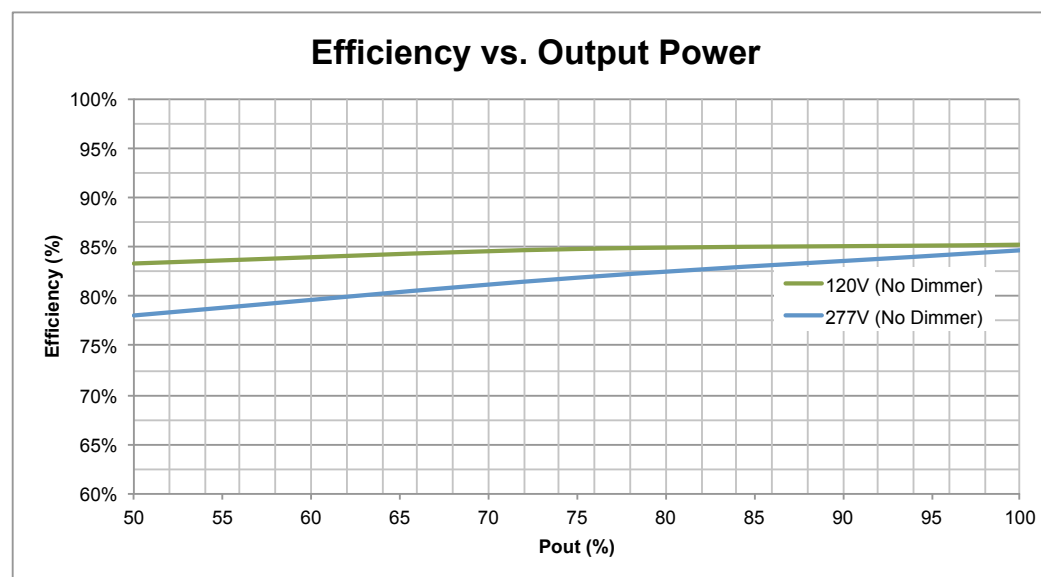
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PERFORMANCE CURVES



Measurements made on model LC50-1050Z-UNV-T.



Measurements made on model LC50-1200D-UNV-T.

Efficiency and PF measured at 25°C.

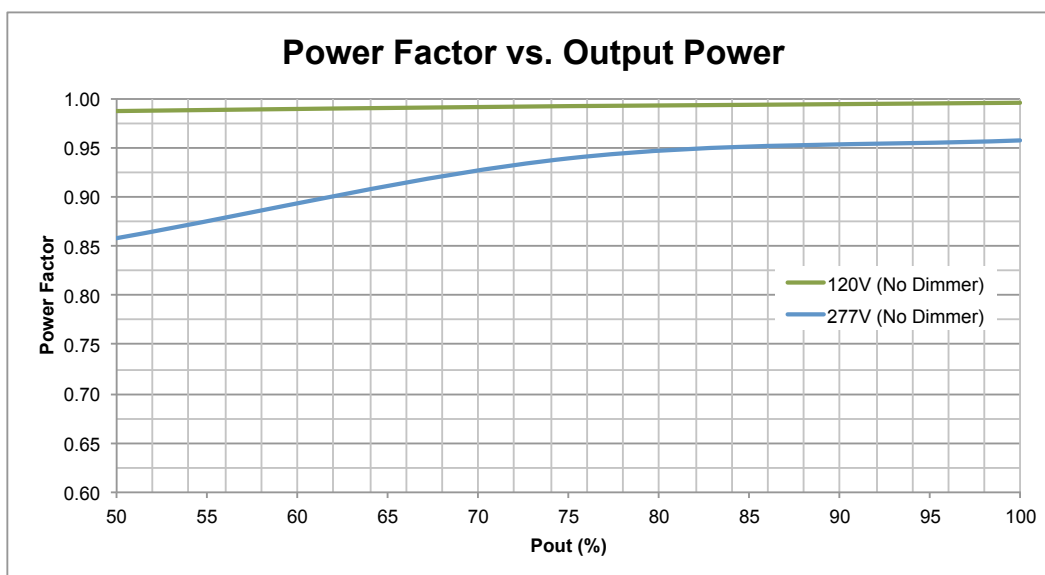
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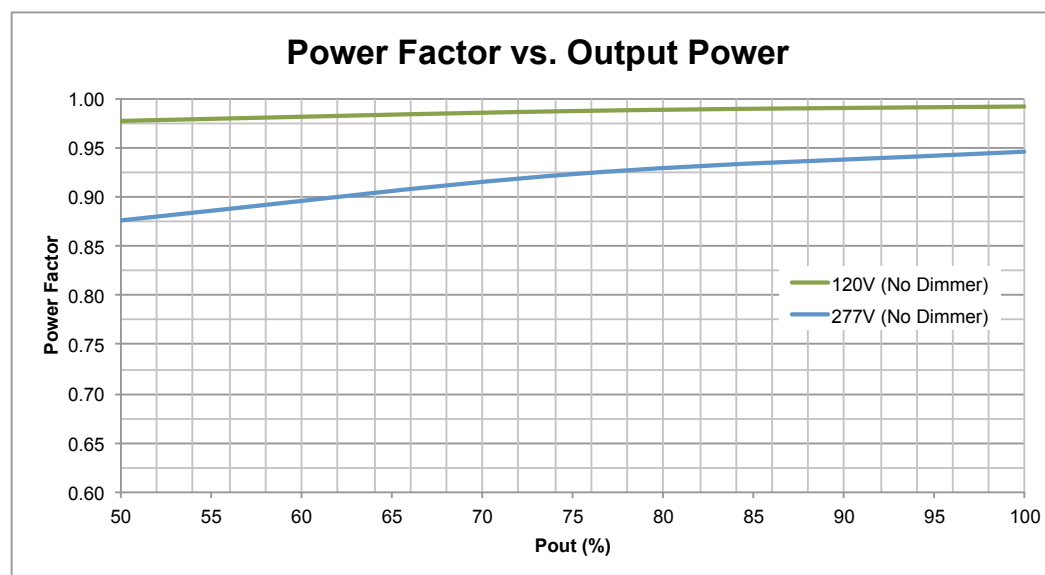
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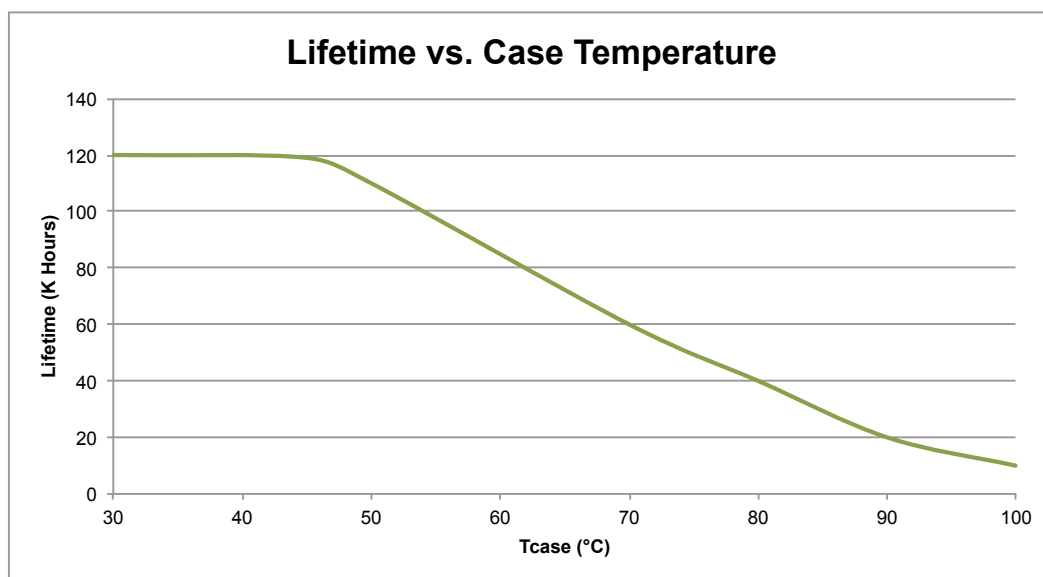
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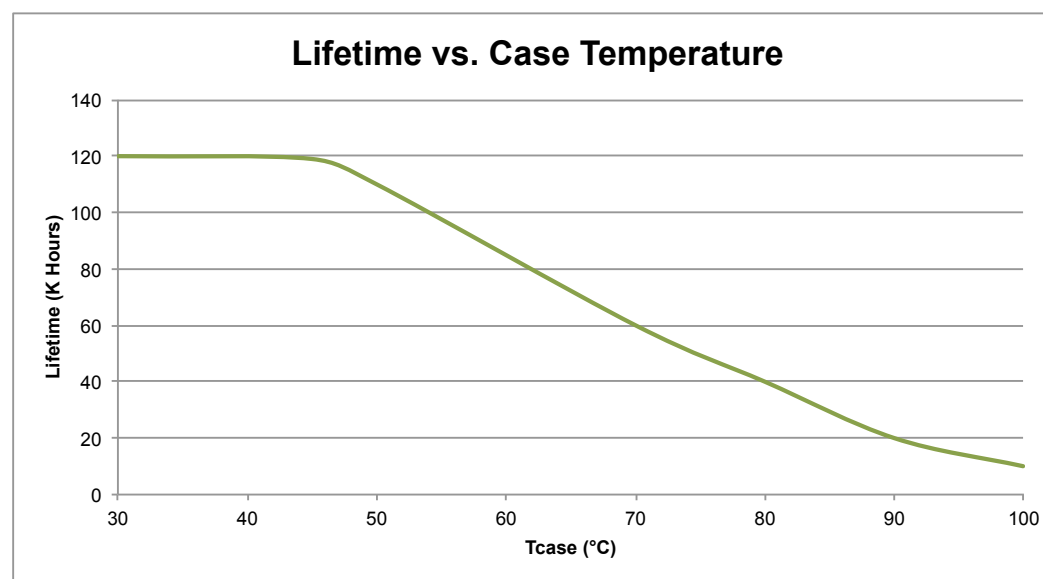
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PERFORMANCE CURVES



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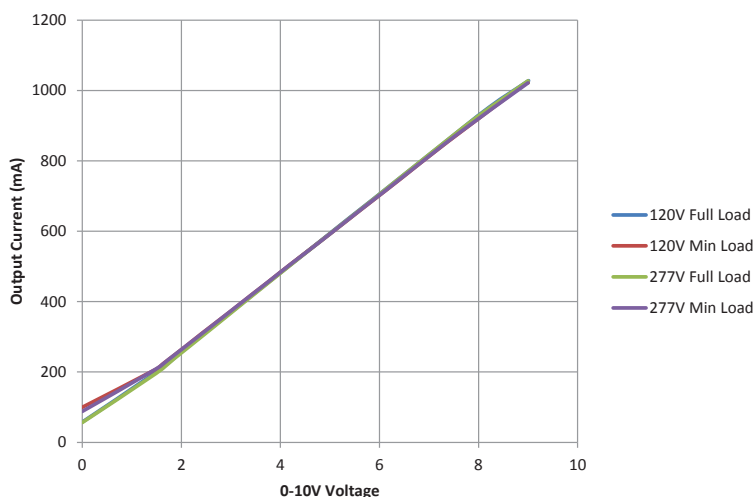
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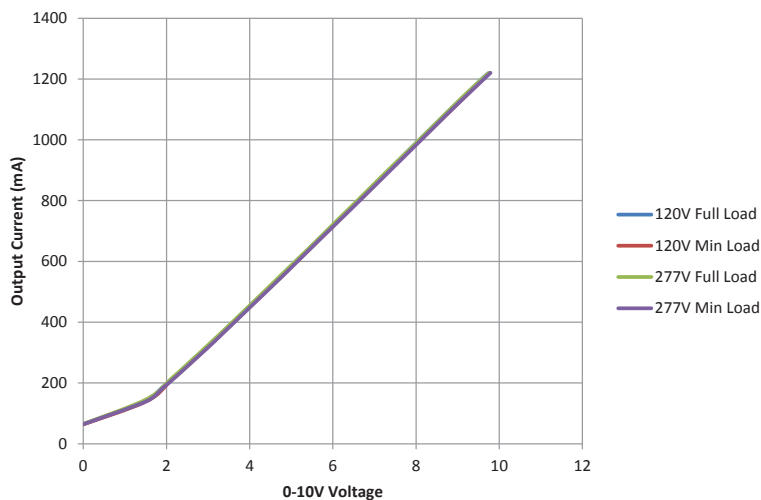


PERFORMANCE CURVES

LC50-1050Z-UNV-T Dimming Curve



LC50-1200D-UNV-T Dimming Curve (0-10V)



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PERFORMANCE CURVES

