

GENERAL INFORMATION

LED Driver Type	Constant Current (Class 2)
Maximum Wattage	16 Watts
Input Voltage	120 VAC $\pm$ 10% Dedicated 120 - 277 VAC $\pm$ 10% Universal
Input Frequency	50/60Hz
Total Harmonic Distortion	<20%

CASE STYLE D: 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									
16W	*350mA	15 - 46 VDC	Non-Dimming	120 - 277 VAC	20W	0.19/0.09A	>0.90	83%	*LC16-0350N-UNV-D
	400mA	13 - 40 VDC	Non-Dimming	120 - 277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0400N-UNV-D
	500mA	10 - 32 VDC	Non-Dimming	120 - 277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0500N-UNV-D
	600mA	10 - 27 VDC	Non-Dimming	120 - 277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0600N-UNV-D
	700mA	9 - 23 VDC	Non-Dimming	120 - 277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0700N-UNV-D
	1050mA	8 - 16 VDC	Non-Dimming	120 - 277 VAC	20W	0.16/0.07A	>0.90	82%	LC16-1050N-UNV-D
Dimming Models									
16W	*350mA	15 - 46 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	81%	*LC16-0350P-120-D
	400mA	13 - 40 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	81%	LC16-0400P-120-D
	500mA	10 - 32 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	81%	LC16-0500P-120-D
	600mA	9 - 27 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	81%	LC16-0600P-120-D
	700mA	8 - 23 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	81%	LC16-0700P-120-D
	1050mA	8 - 16 VDC	Phase Dimming	120 VAC	20W	0.18A	>0.90	80%	LC16-1050P-120-D

*Class 2 US ONLY

PRODUCT FEATURES

- Short circuit and overload protection
- Suitable for wet locations
- Withstanding voltage: I/P – O/P 2.8kVDC, 2mA
- Operating temperature range: -40°C to 90°C (measured at Tcase)
- MTBF: 376,000 hours @ 40°C ambient (~70°C case temp)
- Surge voltage rating: L-N 2kV, L/N-GND 4kV
- Inrush Current: <7A Max @120VAC for 120V input models, cold start 25°C
- Inrush Current: <10A Max @230VAC for Universal input models, cold start 25°C
- Output Current tolerance +/- 5% @ 25°C

APPROVALS

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



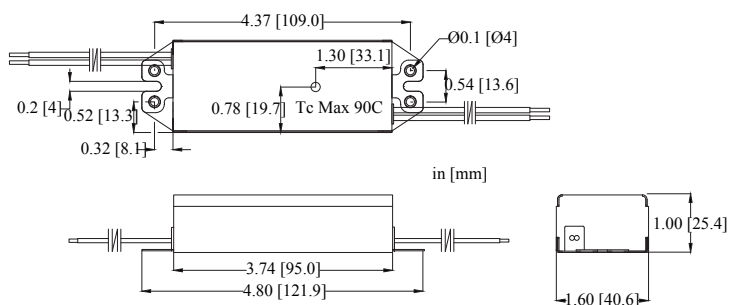
Type
HL

WARRANTY

- 5 year limited warranty

Specifications subject to change without notice.

MECHANICAL SPECIFICATIONS: CASE STYLE D



DIMENSIONS [IN/MM]

Length:	4.80 [121.9]
Mounting:	4.37 [111.0]
Width:	1.60 [40.6]
Height:	1.00 [25.4]

WIRING INFORMATION

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

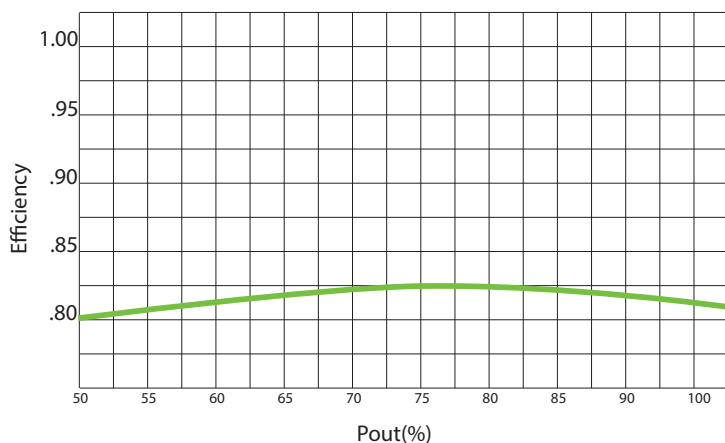
PACKAGING INFORMATION

Weight:	8.3oz
Quantity:	60pc/carton

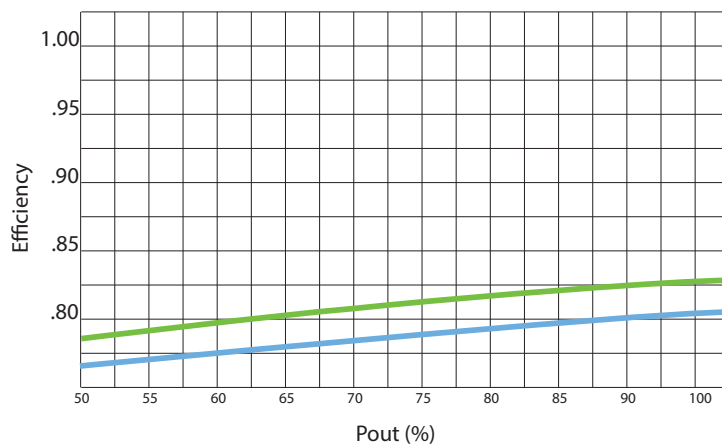
PERFORMANCE CURVES

Efficiency VS Output Power

Efficiency vs. Output Power - Phase Dimming



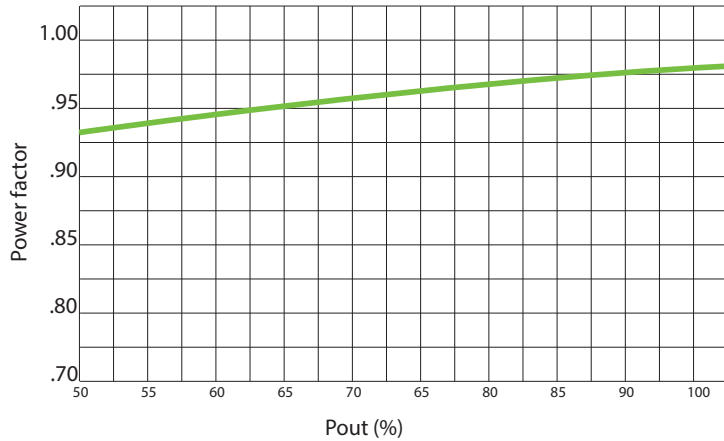
Efficiency vs. Output Power - Non-Dimming



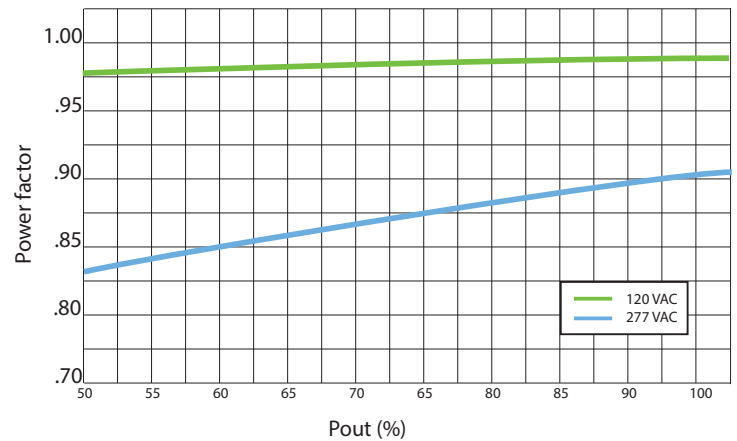
PERFORMANCE CURVES

Power Factor VS Output Power

Power Factor vs. Output Power - Phase Dimming

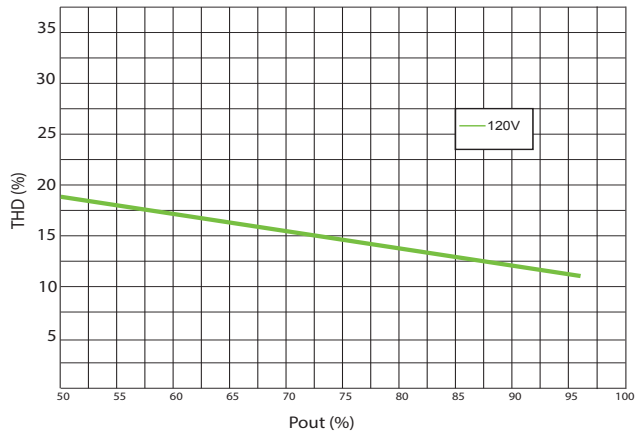


Power Factor vs. Output Power - Non-Dimming

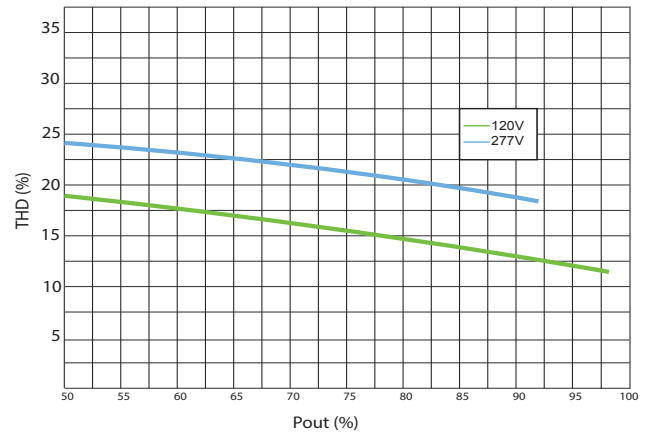


THD vs Output Power

THD vs Output Power - Phase-Dimming

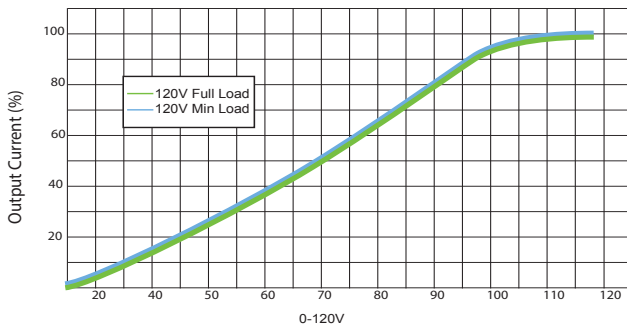


THD vs Output Power - Non-Dimming



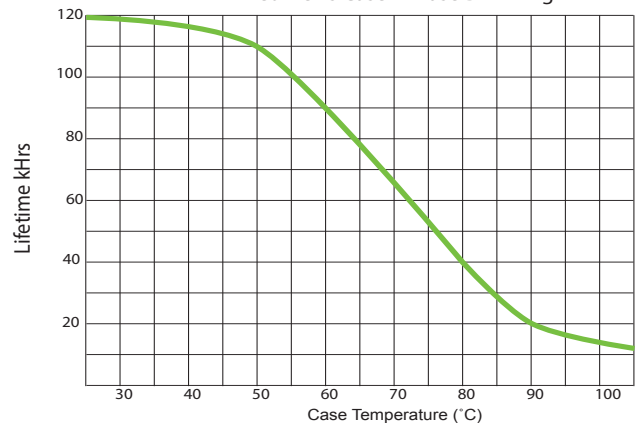
Dimming Curves

Dimming Curve - Phase Dimming



Lifetime VS Case Temperature

Lifetime vs Case - Phase Dimming



Output voltage range must be maintained throughout entire dimming range.

Specifications subject to change without notice.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hatch Lighting:](#)

[LC16-0350P-120-D](#) [LC16-0700P-120-D](#) [LC16-0350N-UNV-D](#) [LC16-0500N-UNV-D](#) [LC16-0500P-120-D](#)