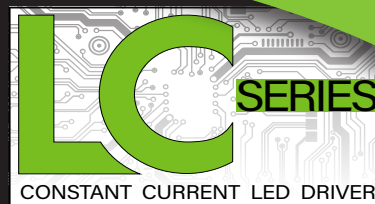


HATCH LED DRIVERS



GENERAL INFORMATION

LED Driver Type	Constant Current (Class 2)
Maximum Wattage	22 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									
22W	350mA	21 - 63 VDC	Non-Dimming	120 - 277 VAC	27W	0.26/0.12A	>0.90	86%	LC22-0350N-UNV-D**‡
	500mA	14 - 44 VDC	Non-Dimming	120 - 277 VAC	27W	0.26/0.12A	>0.90	86%	LC22-0500N-UNV-D*‡
	700mA	10 - 32 VDC	Non-Dimming	120 - 277 VAC	27W	0.26/0.12A	>0.90	84%	LC22-0700N-UNV-D
	1050mA	10-21 VDC	Non-Dimming	120-277 VAC	27W	0.26/0.12A	>0.09	83%	LC22-1050N-UNV-D
Phase Dimming Models									
22W	350mA	21 - 63 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	82%	LC22-0350P-120-D**‡
	500mA	12 - 40 VDC	Phase Dimming	120 VAC	25W	0.25A	>0.90	82%	LC22-0500P-120-D
	600mA	12 - 36 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	81%	LC22-0600P-120-D
	700mA	10 - 32 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	81%	LC22-0700P-120-D
	800mA	10 - 28 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	81%	LC22-0800P-120-D
	900mA	10 - 24 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	81%	LC22-0900P-120-D
	1050mA	10 - 20 VDC	Phase Dimming	120 VAC	27W	0.25A	>0.90	81%	LC22-1050P-120-D

** Non-Class 2

*Class 2 US ONLY

‡ Class-P

PRODUCT FEATURES

- Short circuit and overload protection
- Suitable for dry 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
- Inrush Current: <7A Max @120VAC for 120V input models, cold start 25°C
- Inrush Current: <7A Max @230VAC for Universal input models, cold start 75°C
- Output Current tolerance +/- 5% @ 25°C

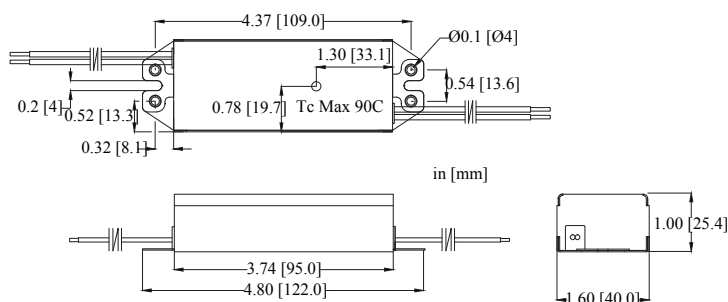
APPROVALS

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



TYPE
HL

MECHANICAL SPECIFICATIONS: CASE STYLE D



DIMENSIONS [IN/MM]

Length:	4.80 [122.0]
Mounting:	4.37 [111.0]
Width:	1.60 [40.0]
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

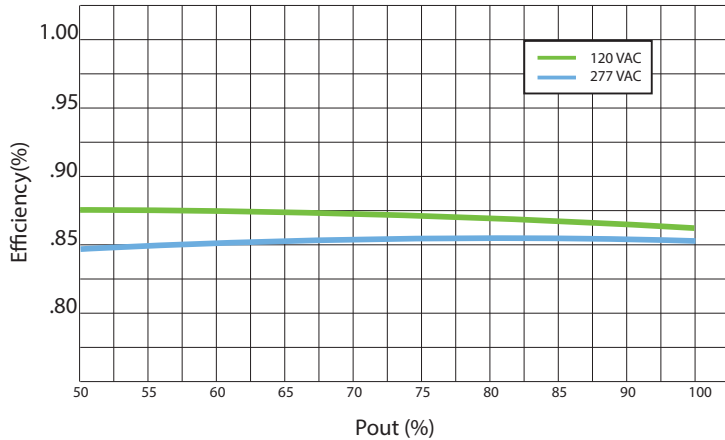
5 year limited warranty

Specifications subject to change without notice.

PERFORMANCE CURVES

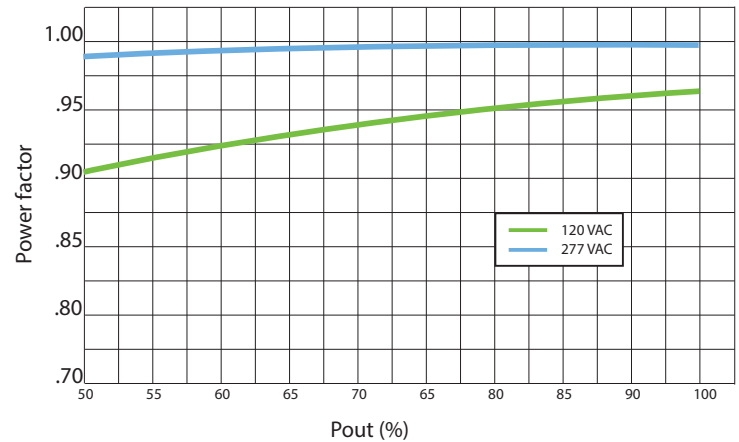
Efficiency VS Output Power

Efficiency vs. Output Power - Non-Dimming

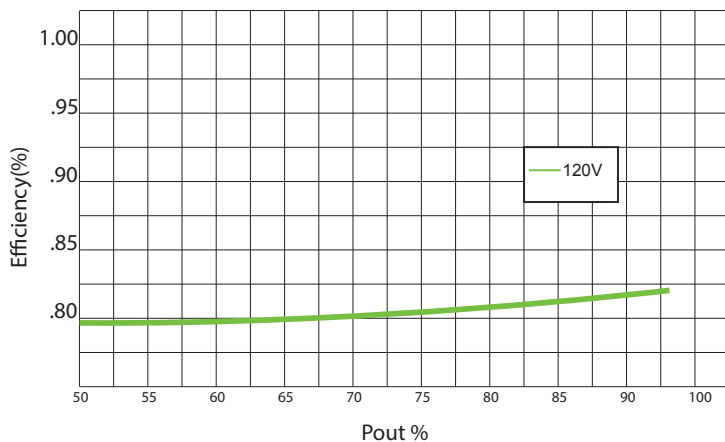


Power Factor VS Output Power

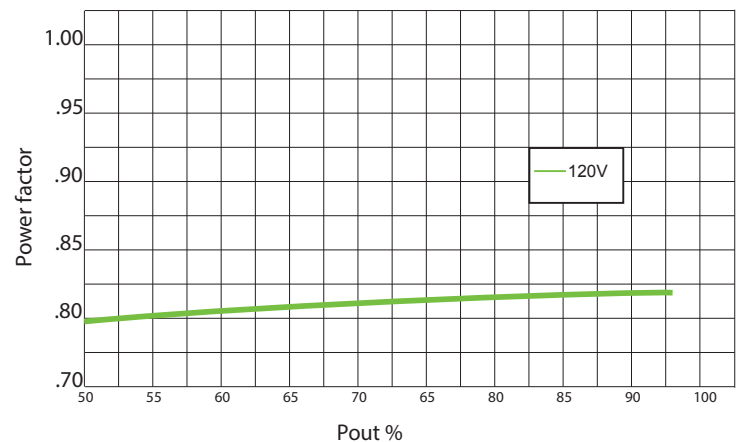
Power Factor vs. Output Power - Non-Dimming



Efficiency vs. Output Power - Phase Dimming

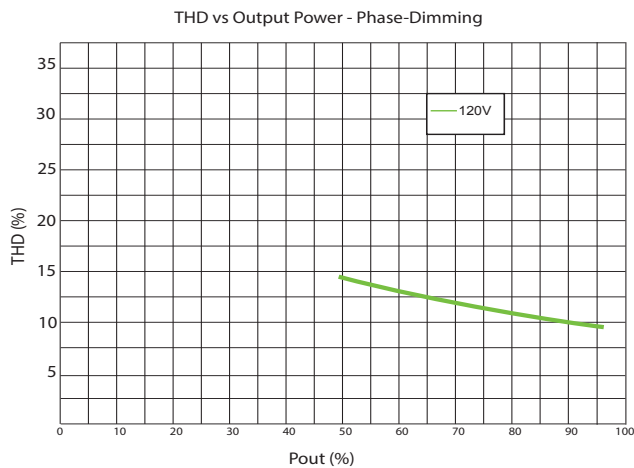


Power Factor vs. Output Power - Phase Dimming

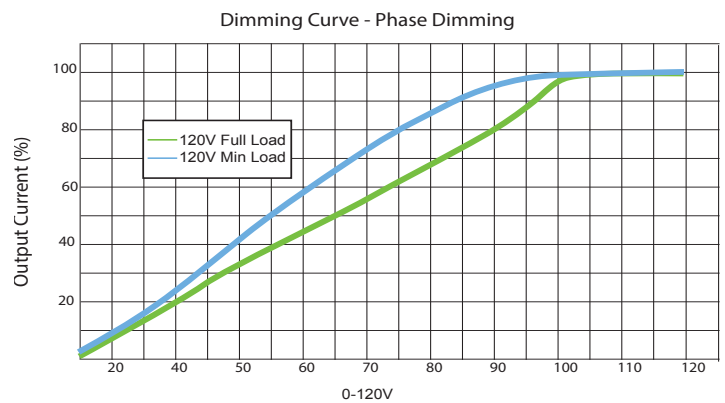


PERFORMANCE CURVES

THD VS Output Power

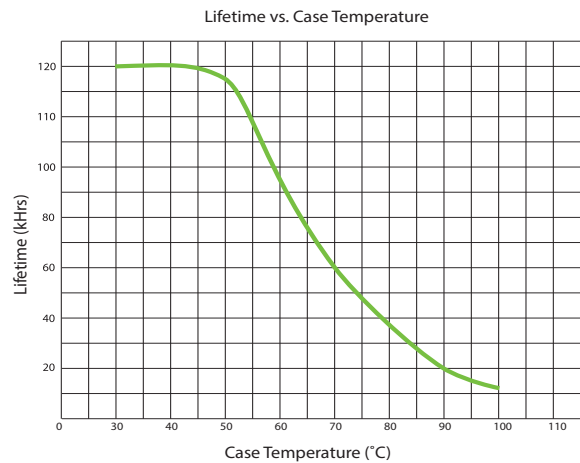


Dimming Curves



Output voltage range must be maintained throughout entire dimming range.

Lifetime VS Case Temperature



Mouser Electronics

Authorized Distributor

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

Hatch Lighting:

[LC22-0700P-120-D](#) [LC22-0350N-UNV-D](#) [LC22-0350P-120-D](#) [LC22-0500P-120-D](#) [LC16-0700N-UNV-D](#) [LC22-0500N-UNV-D](#) [LC22-1050P-120-D](#)