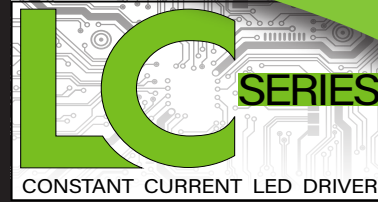


# HATCH LED DRIVERS



## GENERAL INFORMATION

<b>LED Driver Type</b>	Constant Current (Class 2)
<b>Maximum Wattage</b>	22 Watts
<b>Input Voltage</b>	120 VAC ± 10% Dedicated 120 - 277 VAC ± 10% Universal
<b>Input Frequency</b>	50/60Hz
<b>Total Harmonic Distortion</b>	<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
<b>Non-Dimming Models</b>									
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
<b>Phase Dimming Models</b>									
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

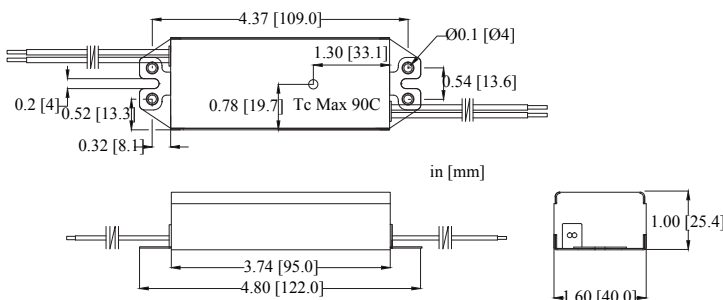
## APPROVALS

- 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

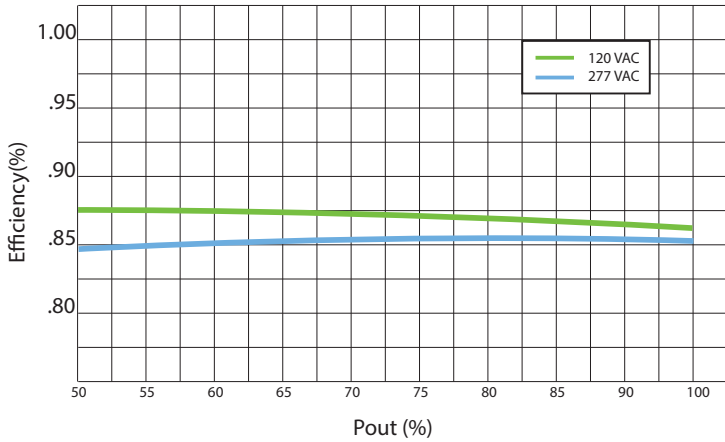
5 year limited warranty

Specifications subject to change without notice.

### PERFORMANCE CURVES

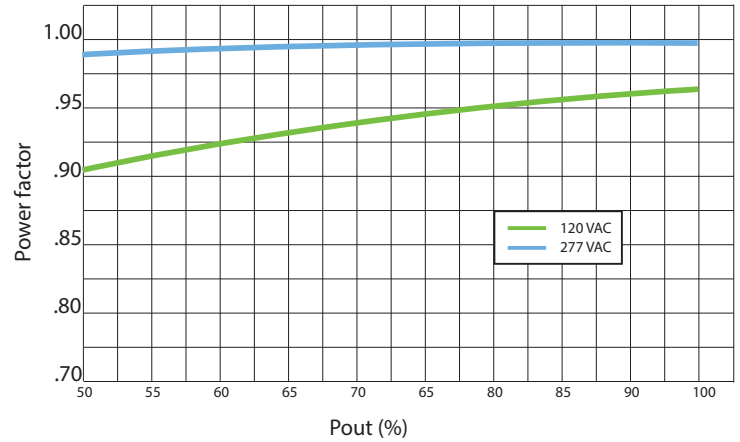
#### Efficiency VS Output Power

Efficiency vs. Output Power - Non-Dimming

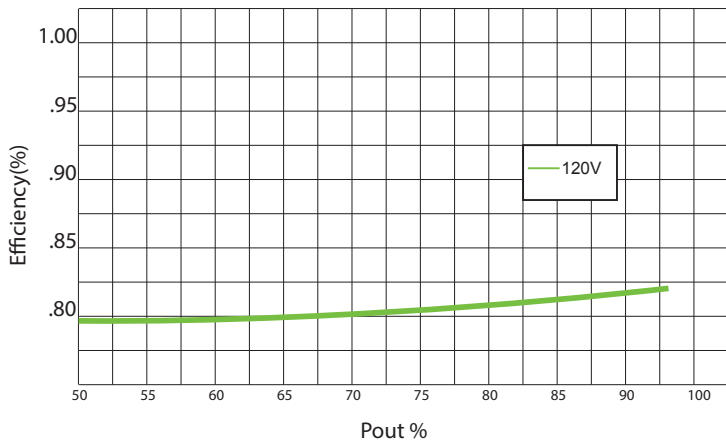


#### Power Factor VS Output Power

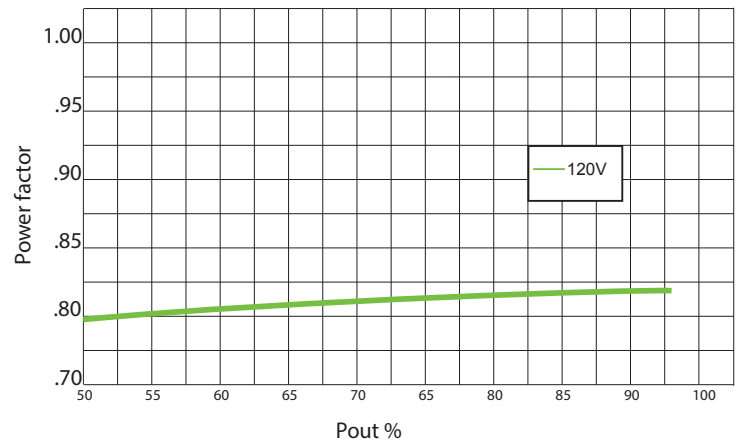
Power Factor vs. Output Power - Non-Dimming



Efficiency vs. Output Power - Phase Dimming

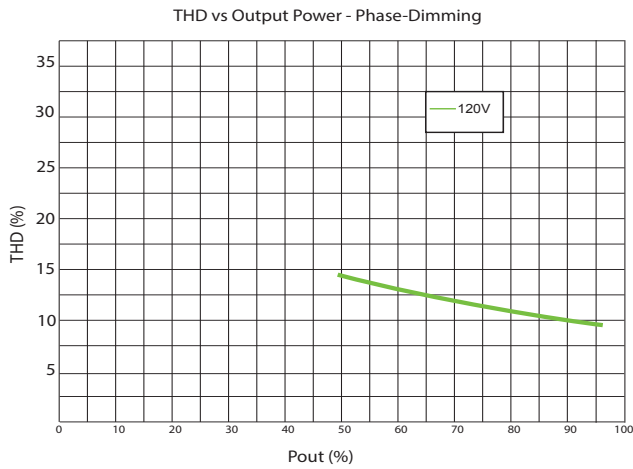


Power Factor vs. Output Power - Phase Dimming

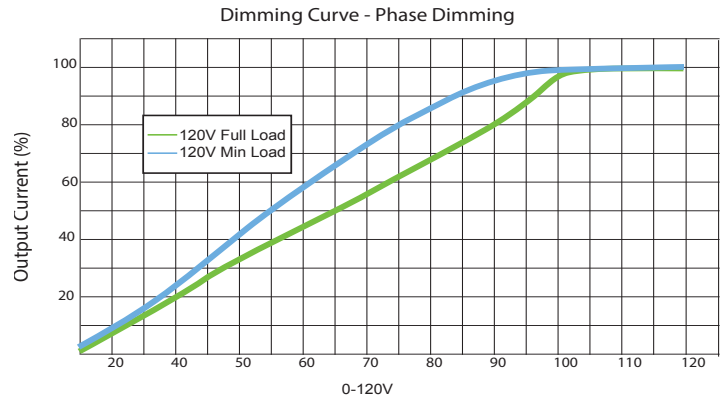


### PERFORMANCE CURVES

#### THD VS Output Power

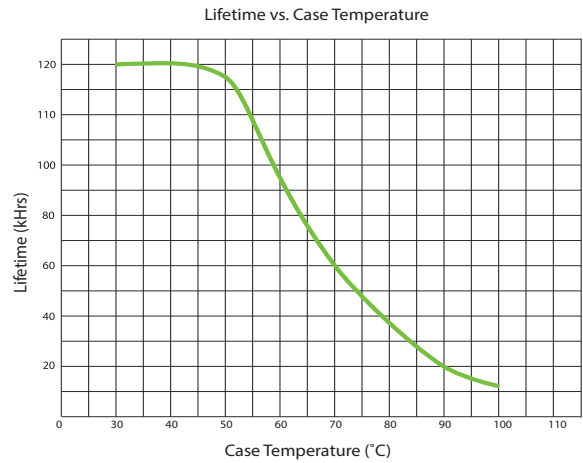
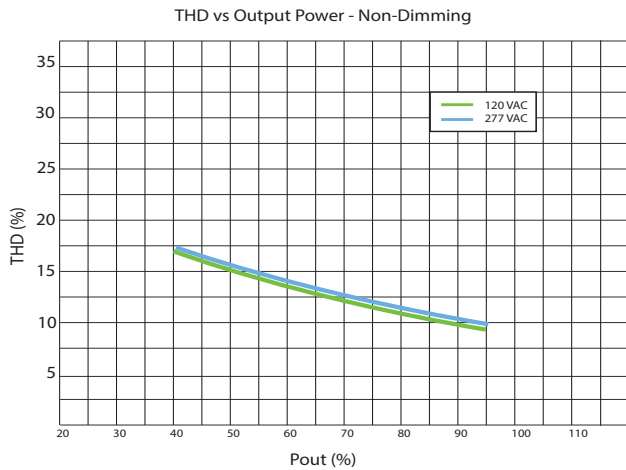


#### Dimming Curves



Output voltage range must be maintained throughout entire dimming range.

#### Lifetime VS Case Temperature



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