HATCH LED DRIVERS

LC SERIES
CONSTANT CURRENT LED DRIVER

GENERAL INFORMATION

LED Driver Type	Constant Current (Class 2)
Maximum Wattage	36 Watts
Input Voltage	120 - 277 VAC ± 10% Universal
Input Frequency	50/60Hz
Total Harmonic Distortion	<20%

CASE STYLE G: METAL

ELECTRICAL SPECIFICATIONS

Watts	Rated Current	Output Voltage	Dimming Type	Input Voltage	Input Power	Input Current	Power Factor	Efficiency	Hatch Part Number
Dimming Models									
36W	*700mA	26 - 52 VDC	0-10V Dimming	120 - 277 VAC	46W	0.33/0.19A	>0.90	80%	*LC36-0700Z-UNV-G
	900mA	18 - 36 VDC	0-10V Dimming	120 - 277 VAC	46W	0.33/0.19A	>0.90	80%	LC36-0900Z-UNV-G
	1050mA	17 - 34 VDC	0-10V Dimming	120 - 277 VAC	46W	0.33/0.19A	>0.90	80%	LC36-1050Z-UNV-G
	1500mA	12 - 24 VDC	0-10V Dimming	120 - 277 VAC	46W	0.33/0.19A	>0.90	80%	LC36-1500Z-UNV-G

*Class 2 US ONLY

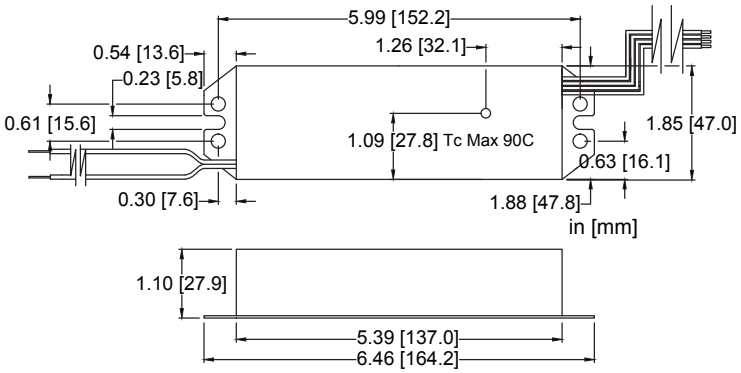
PRODUCT FEATURES

- Short circuit and overload protection
- Over temperature protection
- Suitable for dry and damp locations
- Withstanding voltage: I/P – O/P 2.8kVDC, 2mA
- Operating temperature range: -40°C to 90°C (measured at Tcase)
- MTBF: 384,000 hours @ 40°C ambient (~70°C case temp)
- Surge voltage rating: L-N 2kV, L/N-GND 4kV
- Inrush Current: <10A Max @230VAC, cold start 25°C
- 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

MECHANICAL SPECIFICATIONS: CASE STYLE G



DIMENSIONS [IN/MM]

Length:	6.46 [164.2]
Mounting:	5.99 [152.2]
Width:	1.85 [47.0]
Height:	1.10 [27.9]

WIRING INFORMATION

Input:	12”, Black (L), White (N) #18AWG
Output:	12”, Red (+), Blue (-) #18AWG
	#22AWG (with Class 2 Output)
Dimming:	12”, Purple (+), Grey (-) #22AWG

PACKAGING INFORMATION

Weight:	13.2oz
Quantity:	40pc/carton

WARRANTY

- 5 year limited warranty

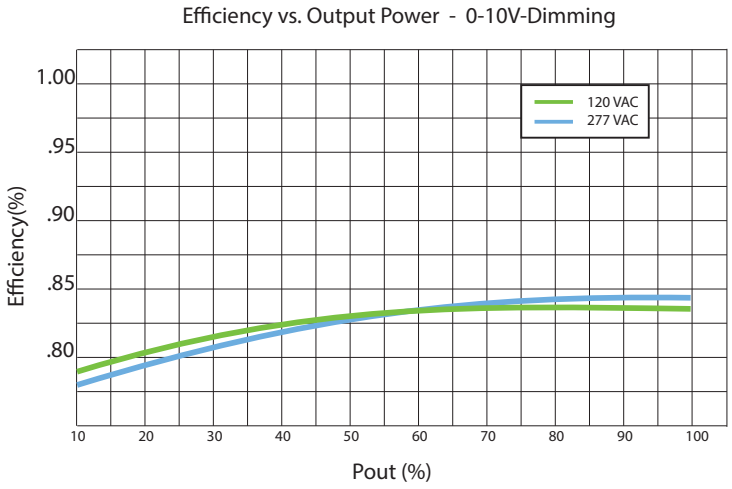
*Specifications Subject to Change Without Notice

HATCH LED DRIVERS

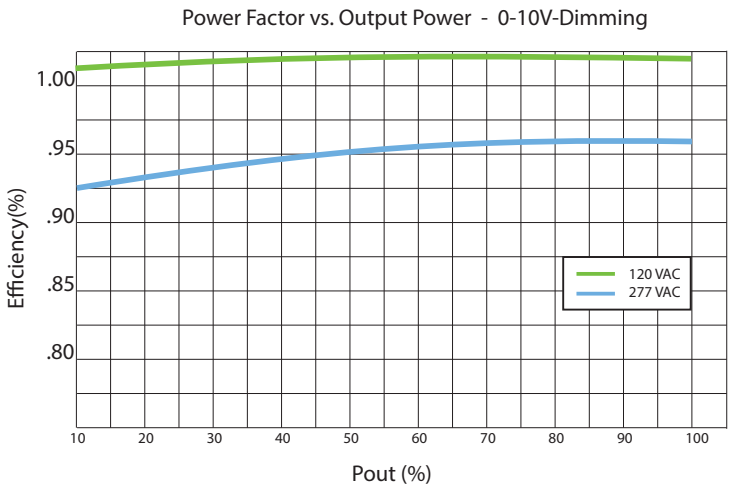
LC SERIES
CONSTANT CURRENT LED DRIVER

PERFORMANCE CURVES

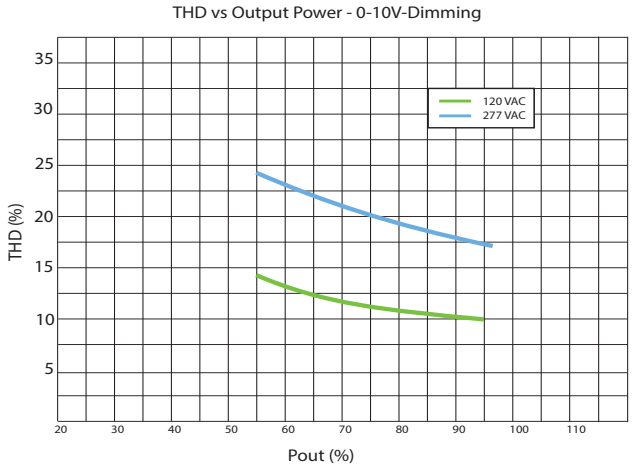
Efficiency VS Output Power



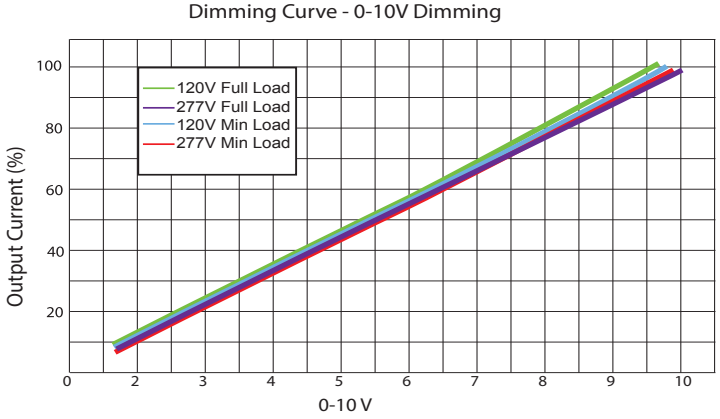
Power Factor VS Output Power



THD VS Output Power



Dimming Curves



Output voltage range must be maintained throughout entire dimming range.

Lifetime VS Case Temperature