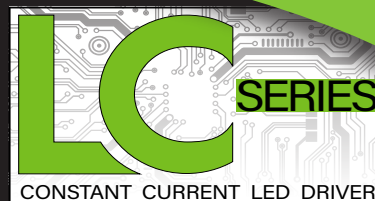


HATCH LED DRIVERS



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 Q: POLYCARBONATE



ELECTRICAL SPECIFICATIONS

Watts	Rated Current	Output Voltage	Dimming Type	Input Voltage	Input Power	Input Current	Power Factor	Efficiency	Hatch Part Number
16W	0-10V Dimming								
	350mA	15-46 VDC	0-10V Dimming	120-277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0350Z-UNV-Q†
	500mA	10-32 VDC	0-10V Dimming	120-277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0500Z-UNV-Q ‡
	700mA	10-23 VDC	0-10V Dimming	120-277 VAC	20W	0.19/0.09A	>0.90	83%	LC16-0700Z-UNV-Q ‡
	Phase Dimming								
	350mA	15-46 VDC	Phase Dimming	120 VAC	20W	0.19A	>0.90	80%	LC16-0350P-120-Q*
	500mA	10-32 VDC	Phase Dimming	120 VAC	20W	0.19A	>0.90	80%	LC16-0500P-120-Q
	700mA	7-23 VDC	Phase Dimming	120 VAC	20W	0.19A	>0.90	80%	LC16-0700P-120-Q
	1050mA	6-15 VDC	Phase Dimming	120 VAC	20W	0.19A	>0.90	80%	LC16-1050P-120-Q

†Class P *Class 2 US Only

PRODUCT FEATURES

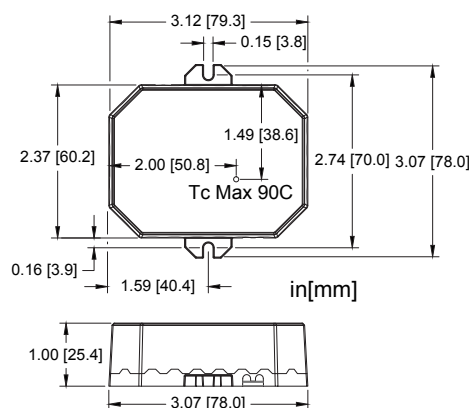
- Short circuit and overload protection
- Suitable for dry and damp locations
- Operating temperature range: -40°C to 90°C (measured at Tcase)
- Surge voltage rating: L-N 2kV, L/N-GND 4kV
- Withstanding Voltage: I/P - O/P 2.8kVDC, 2mA
- Output Current tolerance $\pm$ 5% @ 25°C
- MTBF: 510,000 hrs (0-10V Dimming) @ 40°C ambient case temp
690,00 hrs (Phase Dimming) @ 40°C ambient case temp
- Inrush Current: <10A Max @230VAC for Universal input models
- 0-10 V dimming range: 10%-100%

APPROVALS

- UL 8750 recognized component / Class P
- EN61000-3-2
- EMC: Meets FCC47 CFR Part 15 (Class B) consumer limits
- IP66



MECHANICAL SPECIFICATIONS: CASE STYLE Q



DIMENSIONS [IN/MM]

Length:	3.07 [78.0]
Mounting:	2.74 [69.6]
Width:	3.14 [79.8]
Height:	1.00 [25.4]

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

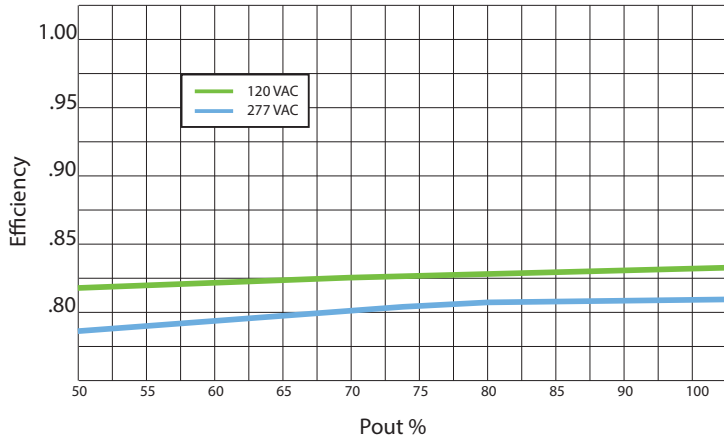
Weight:	6.4 oz
Quantity:	50pc/carton

Specifications subject to change without notice.

PERFORMANCE CURVES

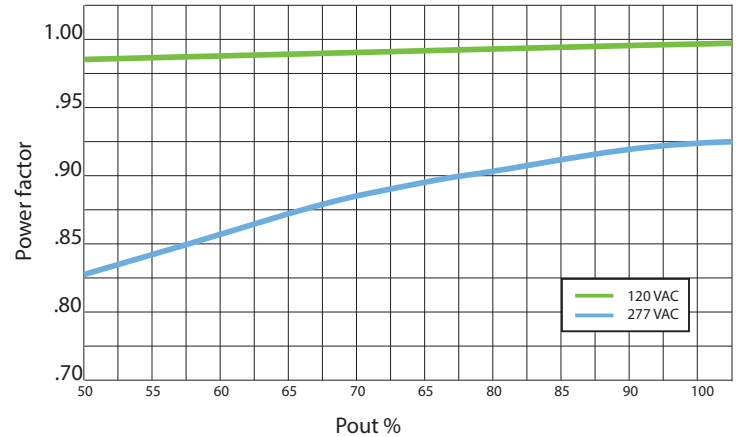
Efficiency VS Output Power

Efficiency vs. Output Power - 0-10V Dimming

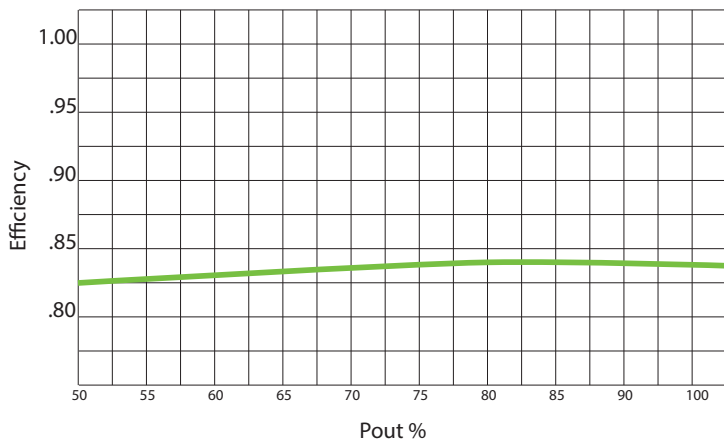


Power Factor VS Output Power

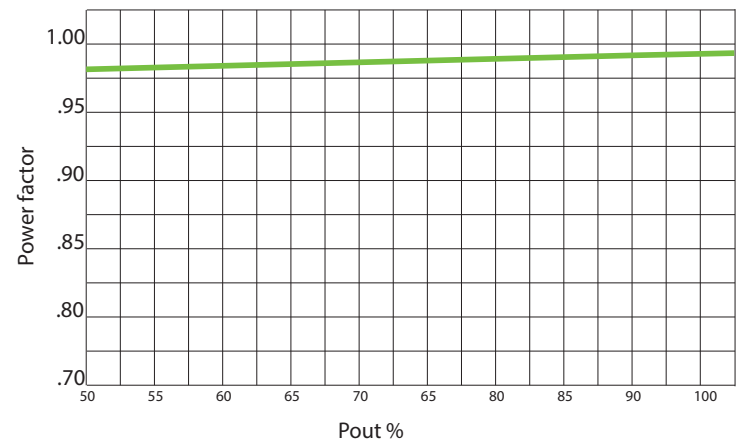
Power Factor vs. Output Power - 0-10V Dimming



Efficiency vs. Output Power - Phase Dimming



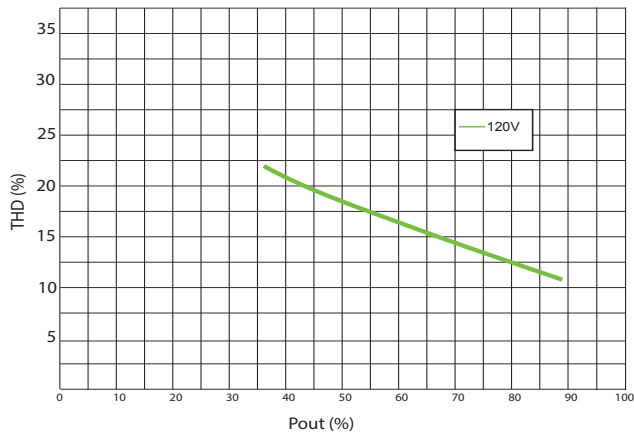
Power Factor vs. Output Power - Phase Dimming



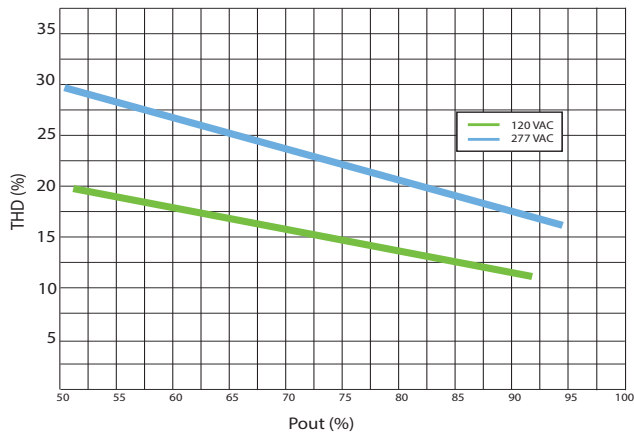
PERFORMANCE CURVES

THD VS Output Power

THD vs Output Power - Phase-Dimming

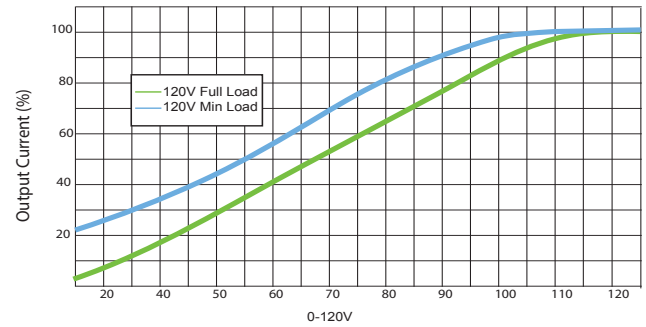


THD vs Output Power - 0-10V Dimming

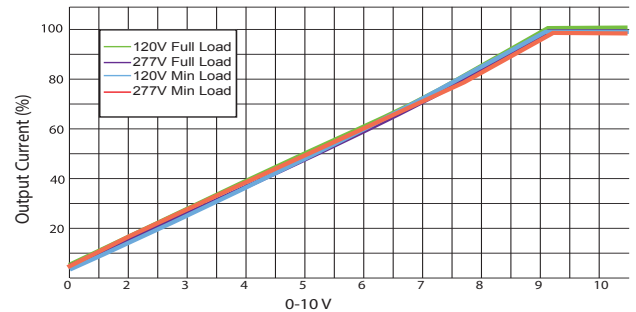


Dimming Curves

Dimming Curve - Phase Dimming

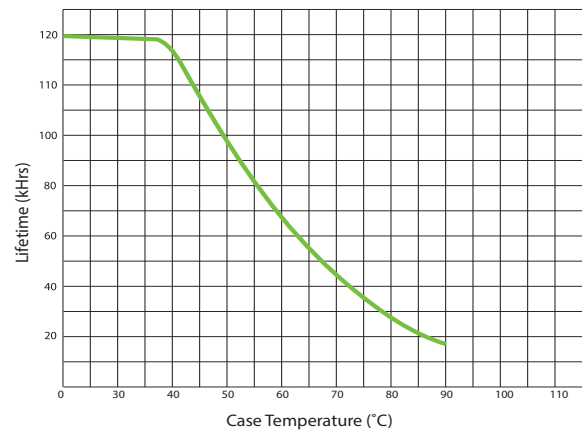


Dimming Curve - 0-10V Dimming



Lifetime VS Case Temperature

Lifetime vs. Case Temperature



Mouser Electronics

Authorized Distributor

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

Hatch Lighting:

[LC16-0350P-120-Q](#) [LC16-0350Z-UNV-Q](#) [LC16-0500P-120-Q](#) [LC16-0500Z-UNV-Q](#) [LC16-0700P-120-Q](#) [LC16-0700Z-UNV-Q](#)