

LC SERIES

CONSTANT CURRENT LED DRIVERS

GENERAL INFORMATION

LED Drive Type	Constant Current, Class 2
Maximum Wattage	14W
Input Voltage	120V AC (+/-10%) Dedicated, or 120-277 VAC (+/-10%)
Input Frequency	50/60 Hz
Power Factor @ Full Load	>0.9
Efficiency @ Full Load	Up to 80% (See Chart Below)
THD	<20%
Start-Up Time	<750ms
Output Current Tolerance	5%
Line Regulation	1%
Load Regulation (Max Load)	2%
Dimming	Triac/ELV or Non-Dimming or 0-10V Dimming
Output Over Current Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
Over Temperature Protection	Hiccup Mode
EMI Compliance	FCC Part 15 Class B

ELECTRICAL SPECIFICATIONS

Max. Power	Rated Current	Output Voltage (VDC)	Input Voltage	Dimming Type	Input Power	Input Current	Efficiency	Part Number
14W	Phase Dimming							
	260mA	18-54 VDC	120 VAC	Phase Dimming	17W	0.17A	79%	LC14-0260P-120-C *
	350mA	10-40 VDC						LC14-0350P-120-C
	500mA	10-28 VDC						LC14-0500P-120-C
	700mA	8-20 VDC						LC14-0700P-120-C
	Non-Dimming							
	350mA	15-40 VDC	120-277 VAC	Non-Dimming	17W	0.17/ 0.08A	80%	LC14-0350N-UNV-C ‡
	700mA	10-20 VDC						LC14-0700N-UNV-C ‡

Custom output currents & 0-10V dimming available on Made to Order basis.

* Class 2 US ONLY ‡ Class P

CONSTANT CURRENT LED DRIVER CASE STYLE C: POLYCARBONATE



ENVIRONMENTAL SPECIFICATIONS

Minimum Operating Temp.	-40° C
Maximum Case Temp.	+90° C
Maximum Storage Temp.	+85° C
Maximum Relative Humidity	95% Non-condensing
Transient Protection	2kV
UL Environment Rating	Dry and Damp
Sound Rating	Class A

APPROVALS



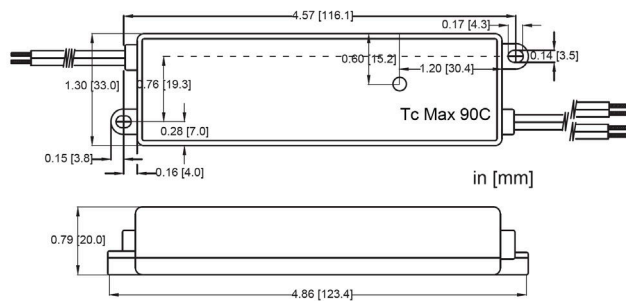
WARRANTY

- 5 year limited warranty

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SIZING INFORMATION: CASE STYLE C



Specifications subject to change without notice.

WIRING INFORMATION

Input	12", Black (L), White (N) #18AWG
Output	12", Red (+), Blue (-) #18AWG
Dimming	12" Purple (LED+), Pink (LED-) #22 AWG 0-10V Option

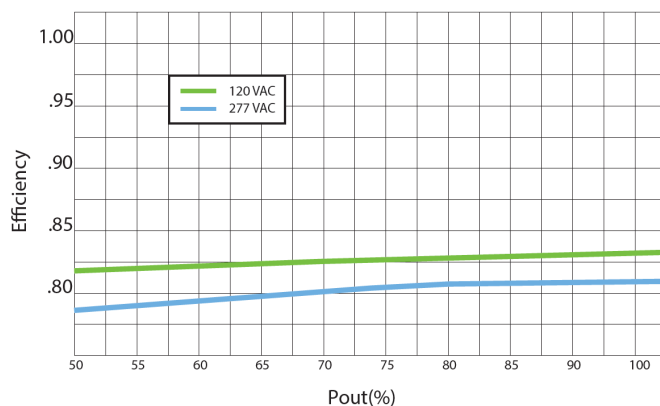
PACKAGING INFORMATION

Package Weight	4.1oz
Quantity	40pcs/carton

PERFORMANCE CURVES

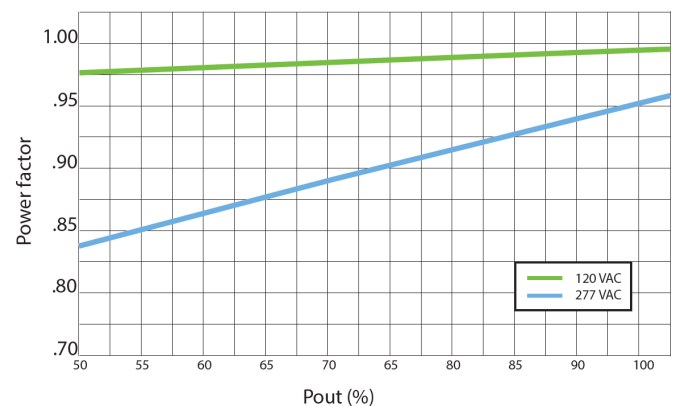
Efficiency Vs. Output Power

Efficiency vs. Output Power - Non-Dimming



Power Factor Vs. Output Power

Power Factor vs. Output Power - Non-Dimming



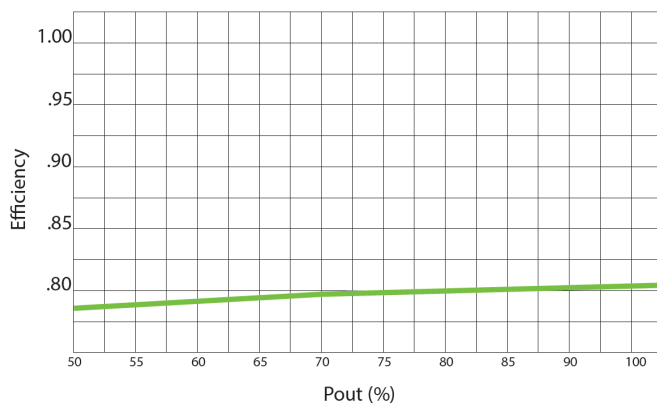
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PERFORMANCE CURVES

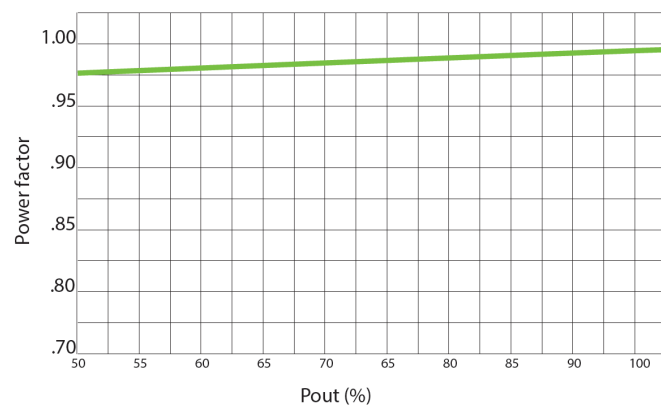
Efficiency Vs. Output Power

Efficiency vs. Output Power - Phase Dimming

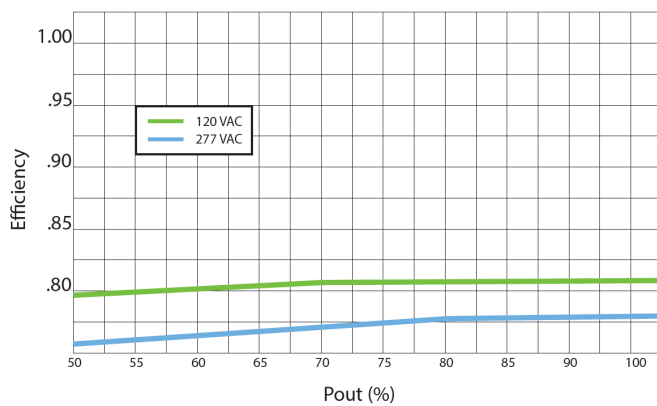


Power Factor Vs. Output Power

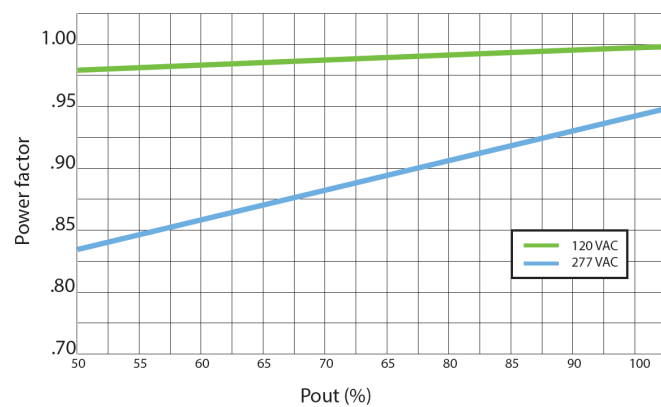
Power Factor vs. Output Power - Phase Dimming



Efficiency vs. Output Power - 0-10V Dimming



Power Factor vs. Output Power - 0-10 Dimming

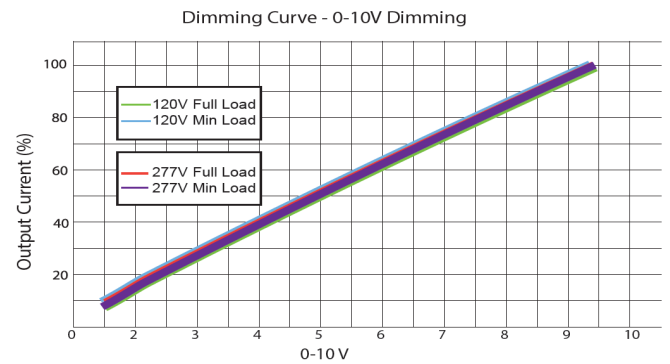
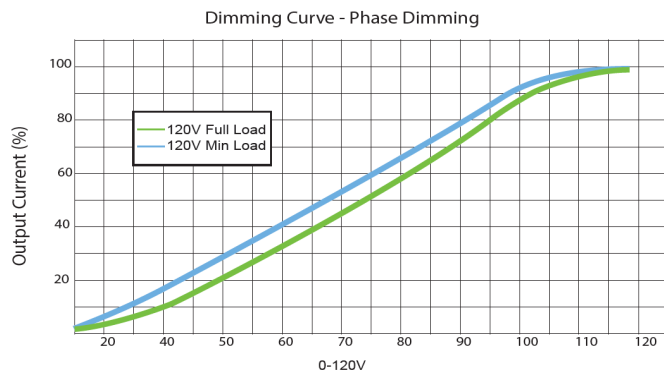


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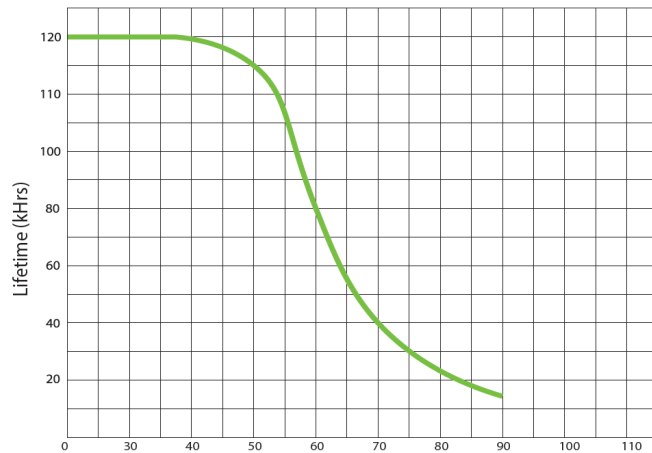
CONSTANT CURRENT LED DRIVERS

PERFORMANCE CURVES

Dimming Curves



Lifetime Vs. Case Temperature



Mouser Electronics

Authorized Distributor

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

[Hatch Lighting:](#)

[LC14-0350P-120-C](#) [LC14-0500P-120-C](#) [LC14-0700P-120-C](#)