

LC SERIES

CONSTANT CURRENT LED DRIVERS

GENERAL INFORMATION

LED Drive Type	Constant Current Class 2
Maximum Wattage	25W
Input Voltage	120VAC (+/-10%) or 120-277VAC (+/-10%)
Input Frequency	50/60Hz
Power Factor @ Full Load	>0.9
Efficiency @ Full Load	Up to 81% (See Chart Below)
THD	<20%
Start-Up Time	<500ms
Output Current Tolerance	5%
Line Regulation	1% (Phase Dimming) 2% (0-10V Dimming)
Load Regulation (Max Load)	2%
Dimming	Phase or 0-10V Dimming (Min 10%)
Output Over Current Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
Over Temp. Protection	Hiccup Mode
EMI Compliance	FCC Part 15 Class B

CONSTANT CURRENT LED DRIVER CASE STYLE Q: 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 L-N, 4kV L/N-GND
UL Environment Rating	Wet Location
Sound Rating	Class A

APPROVALS



WARRANTY

- 5 year limited warranty

ELECTRICAL SPECIFICATIONS

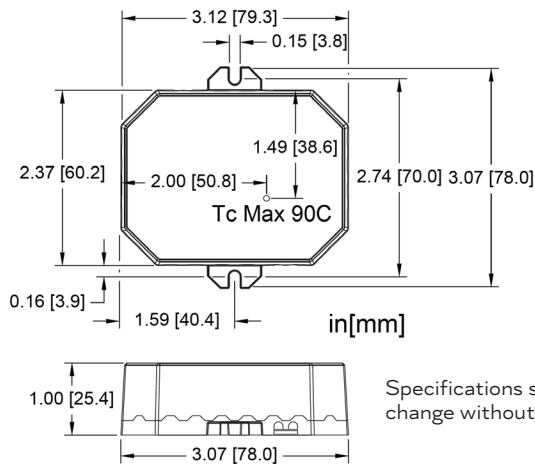
Max. Power	Rated Current	Output Voltage (VDC)	Input Voltage	Dimming Type	Input Power	Input Current	Efficiency	Part Number
25W	Dimming Models							
	**350mA	24 - 72 VDC	120 - 277 VAC	0-10V Dimming	30W	0.28/ 0.13A	80%	**LC25-0350Z-UNV-Q ‡
	*500mA	17 - 50 VDC					81%	*LC25-0500Z-UNV-Q ‡
	700mA	12 - 36 VDC					81%	LC25-0700Z-UNV-Q ‡
	1050mA	9 - 24 VDC					81%	LC25-1050Z-UNV-Q ‡
	Phase Dimming Models							
	**350mA	24 - 72 VDC	120 VAC	Phase Dimming	30W	0.29A	80%	**LC25-0350P-120-Q
	*500mA	17 - 50 VDC					81%	*LC25-0500P-120-Q
700mA	12 - 36 VDC	81%					LC25-0700P-120-Q	
1050mA	8 - 24 VDC	80%					LC25-1050P-120-Q	

Custom output current available on Made to Order basis. ** Non-Class 2 *Class 2 US Only ‡ UL Listed Class P

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SIZING INFORMATION: CASE STYLE Q



WIRING INFORMATION

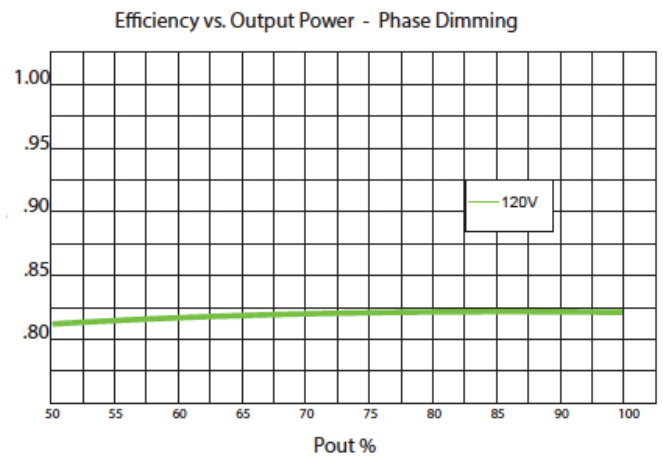
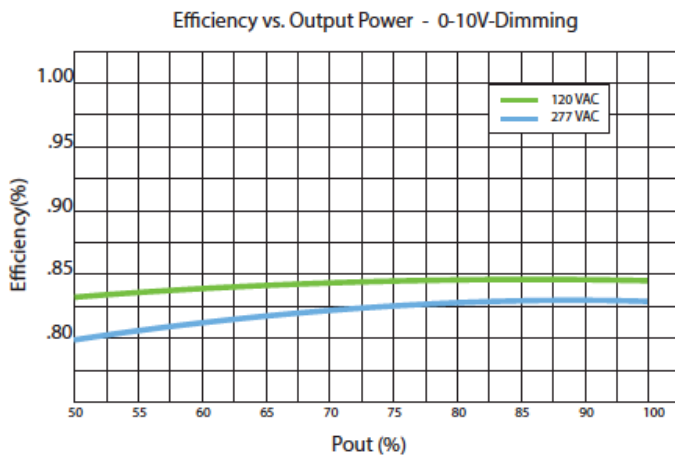
Input	12", Black (L), White (N) #18AWG
Output	12", Red (+), Blue (-) #18AWG
Dimming	12", Purple (+), Pink (-) #22AWG

PACKAGING INFORMATION

Package Weight	6.4oz
Quantity	50pcs/carton

PERFORMANCE CURVES

Efficiency Vs. Output Power

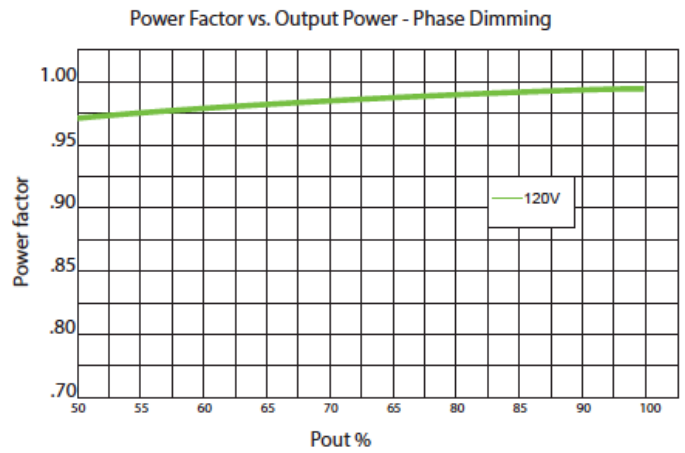
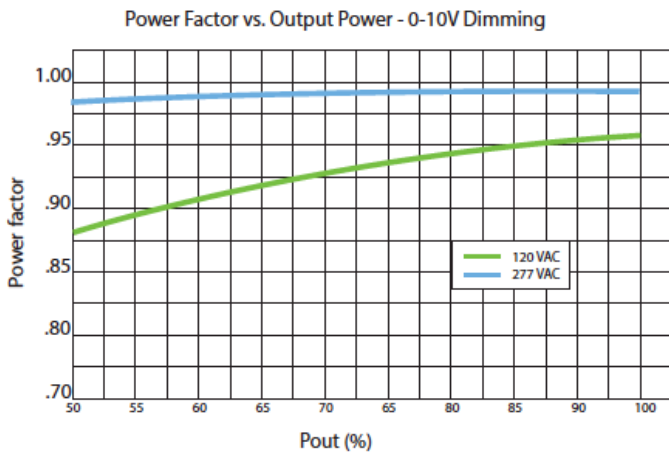


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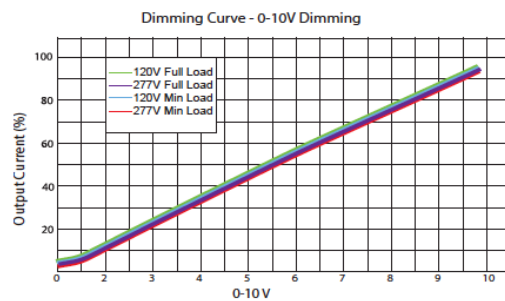
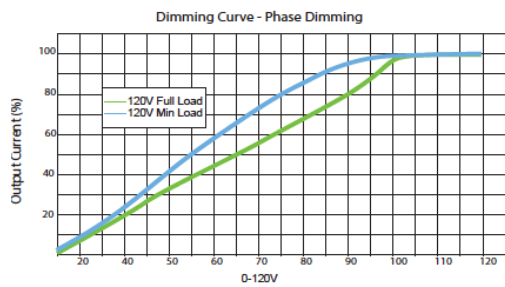
CONSTANT CURRENT LED DRIVERS

PERFORMANCE CURVES

Power Factor Vs. Output Power



Dimming Curves



Output voltage range must be maintained throughout entire dimming range.

Lifetime Vs. Case Temperature

