

LC SERIES

CONSTANT CURRENT LED DRIVERS

CONSTANT CURRENT LED DRIVER CASE STYLE B: POLYCARBONATE



GENERAL INFORMATION

LED Drive Type	Constant Current, Class 2
Maximum Wattage	12W
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 78% (See Chart Below)
THD	<20%
Start-Up Time	<750ms
Line Regulation	+/- 1%
Load Regulation (Max Load)	+/- 2%
Dimming	Triac/ELV or 0-10V
Output Over Current Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
Over Temperature Protection	Hiccup Mode
EMI Compliance	FCC Part 15 Class B

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

ELECTRICAL SPECIFICATIONS

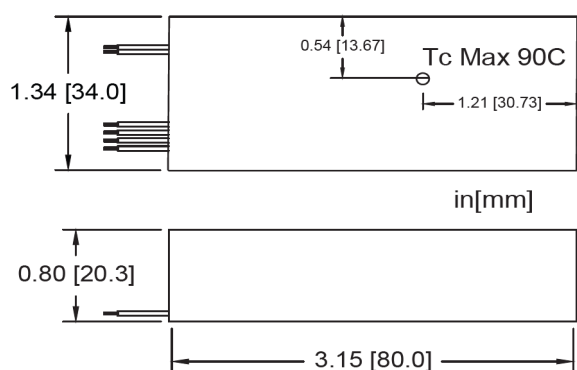
Max. Power	Rated Current	Output Voltage (VDC)	Input Voltage	Dimming Type	Input Power	Input Current	Efficiency	Part Number
12W	350mA	17-34 VDC	120-277 VAC	0-10V Dimming	15W	0.13/0.07A	79%	LC12-0350Z-UNV-B
	500mA	12-24 VDC					80%	LC12-0500Z-UNV-B
	700mA	10-17 VDC					80%	LC12-0700Z-UNV-B
	260mA	23-46 VDC	120 VAC	Phase Dimming	14W	0.14A	78%	LC12-0260P-120-B
	350mA	17-34 VDC			15W		80%	LC12-0350P-120-B
	500mA	12-24 VDC					79%	LC12-0500P-120-B
	700mA	8-17 VDC					78%	LC12-0700P-120-B

Custom output current available on Made to Order basis

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SIZING INFORMATION: CASE STYLE C



Specifications subject to change without notice.

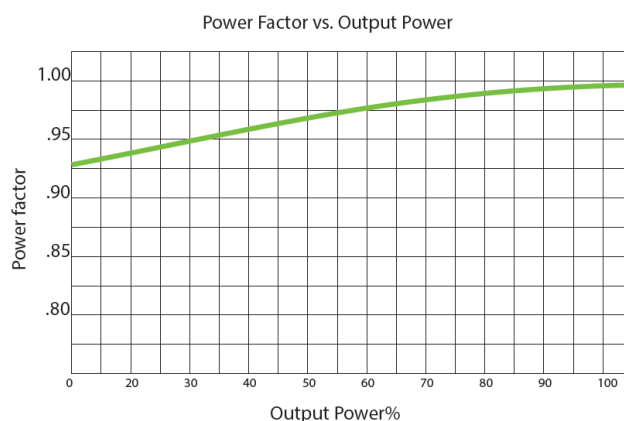
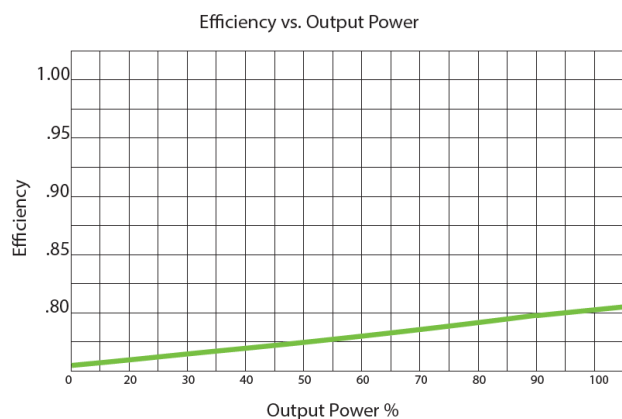
WIRING INFORMATION

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

PACKAGING INFORMATION

Package Weight	4oz
Quantity	160pcs/carton

PERFORMANCE CURVES

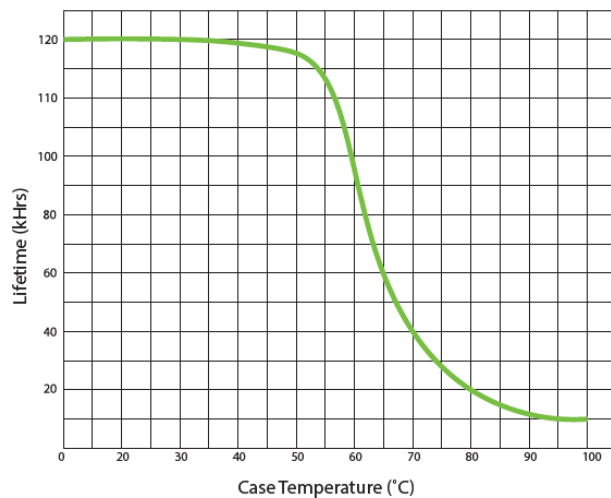


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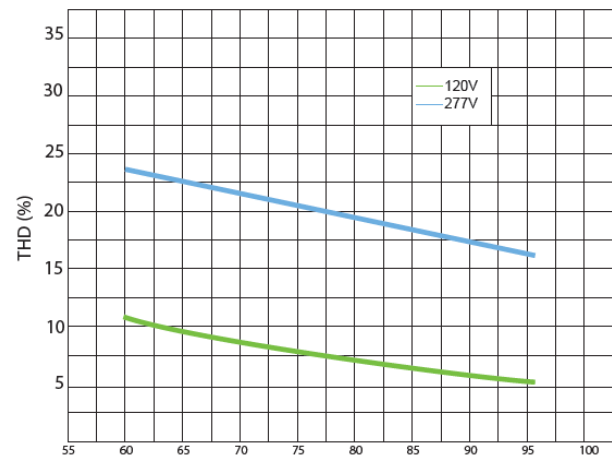
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PERFORMANCE CURVES

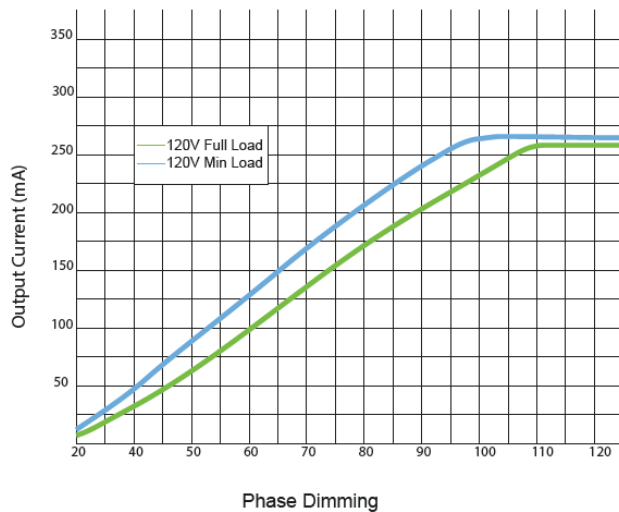
Lifetime vs. Case Temperature



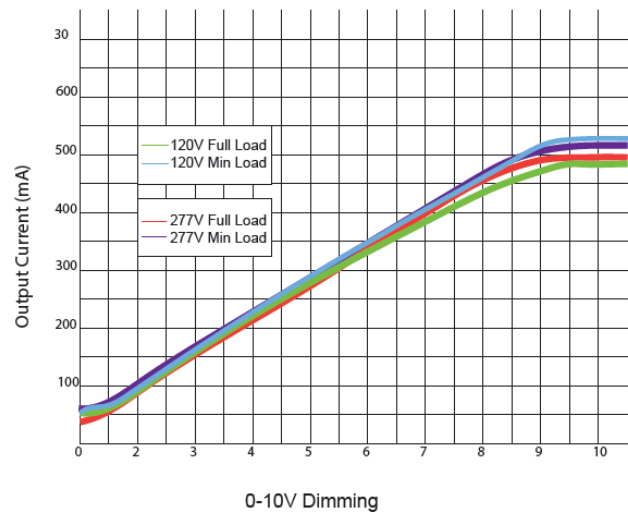
THD vs Output Power



Dimming Curve



Dimming Curve



Mouser Electronics

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