

LC SERIES

CONSTANT CURRENT LED DRIVERS

CONSTANT CURRENT LED DRIVER CASE STYLE I: METAL



GENERAL INFORMATION

LED Drive Type	Constant Current
Maximum Wattage	100W
Input Voltage	120-277VAC (+/-10%)
Input Frequency	50/60 Hz
Power Factor @ Full Load	>0.9
Efficiency @ Full Load	Up to 91% (See chart)
THD	<20%
Start-Up Time	<750ms
Output Current Tolerance	5%
Line Regulation	2%
Load Regulation (Max Load)	3%
Maximum Ripple Current	<3%
Dimming	0-10V (Min 1%)
Output Over Current Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
Over Temperature Protection	Auto-Recovery
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	2.5kV
UL Environment Rating	Dry & 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
100W	700mA	72-143 VDC	120-277 VAC	0-10V Dimming	108W	1.04/ 0.47A	91%	LC100-0700Z-UNV-I
	1050mA	48-95 VDC					90%	LC100-1050Z-UNV-I
	*2100mA	24-48 VDC					90%	LC100-2100Z-UNV-I

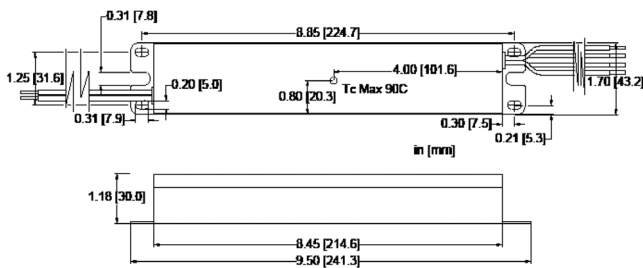
Custom output current available on Made to Order basis

*Class 2 US Only

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SIZING INFORMATION: CASE STYLE I



Specifications subject to change without notice.

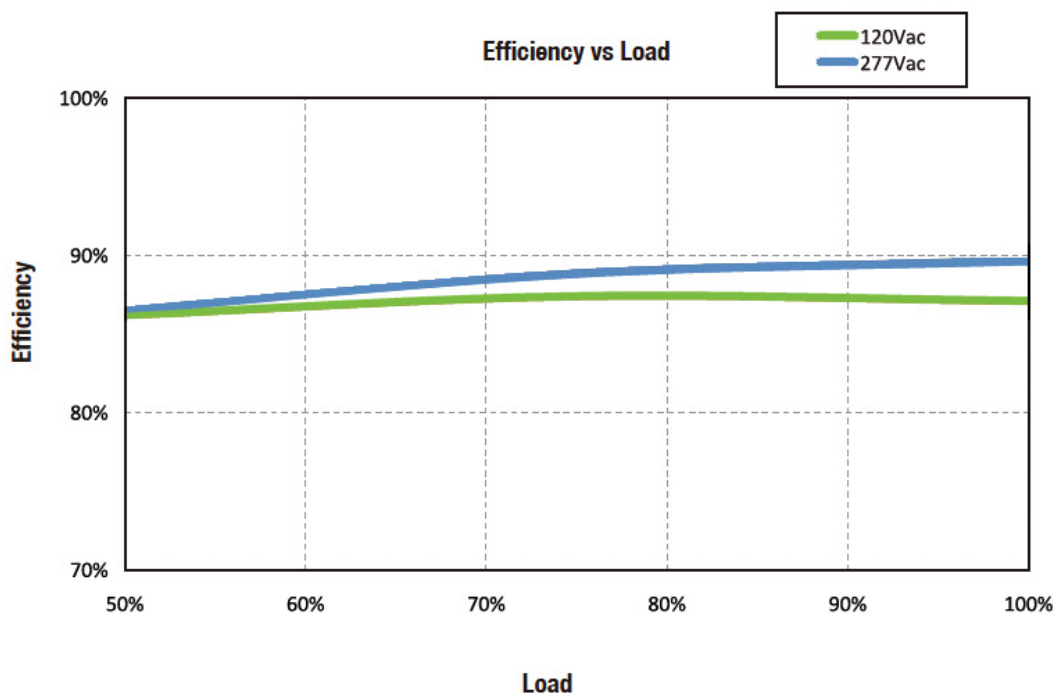
WIRING INFORMATION

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

PACKAGING INFORMATION

Package Weight	21.2oz
Quantity	30pcs/carton

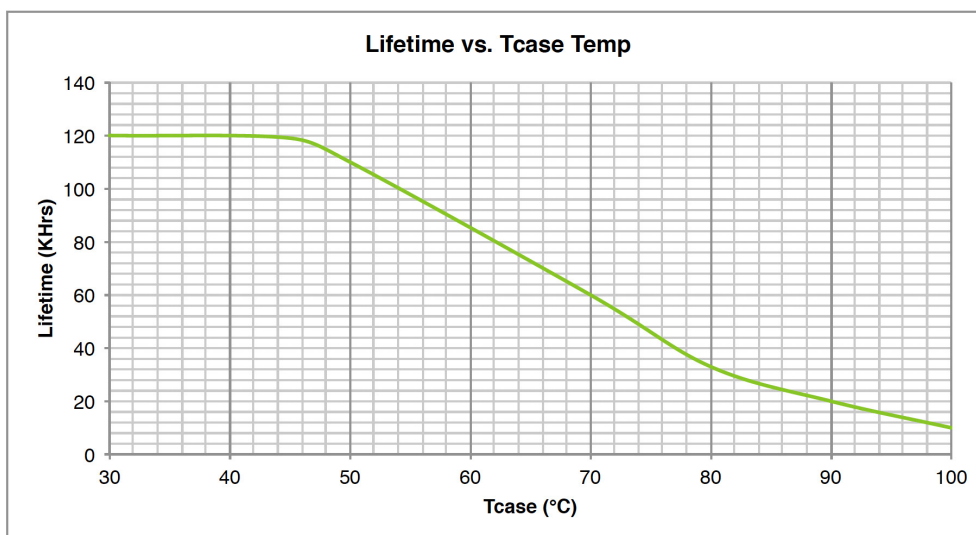
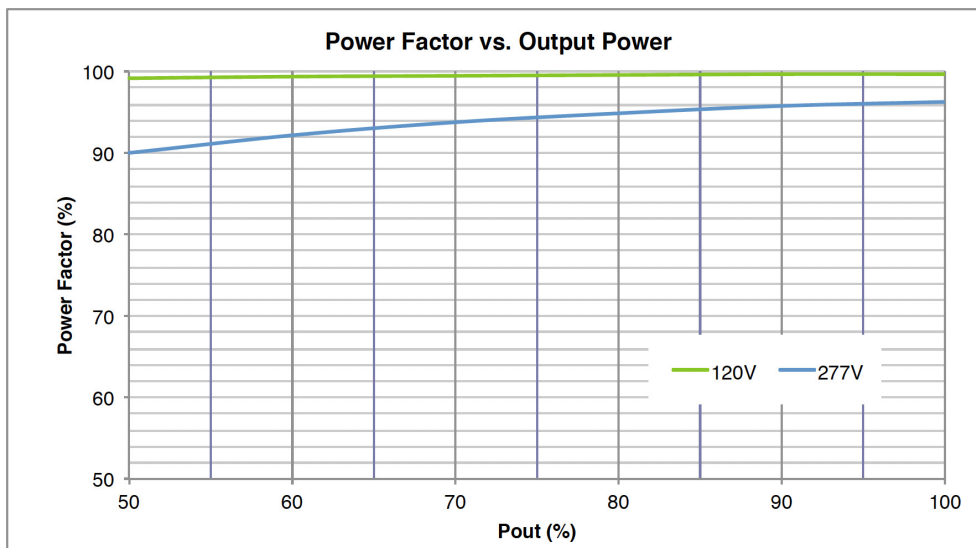
PERFORMANCE CURVES



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PERFORMANCE CURVES

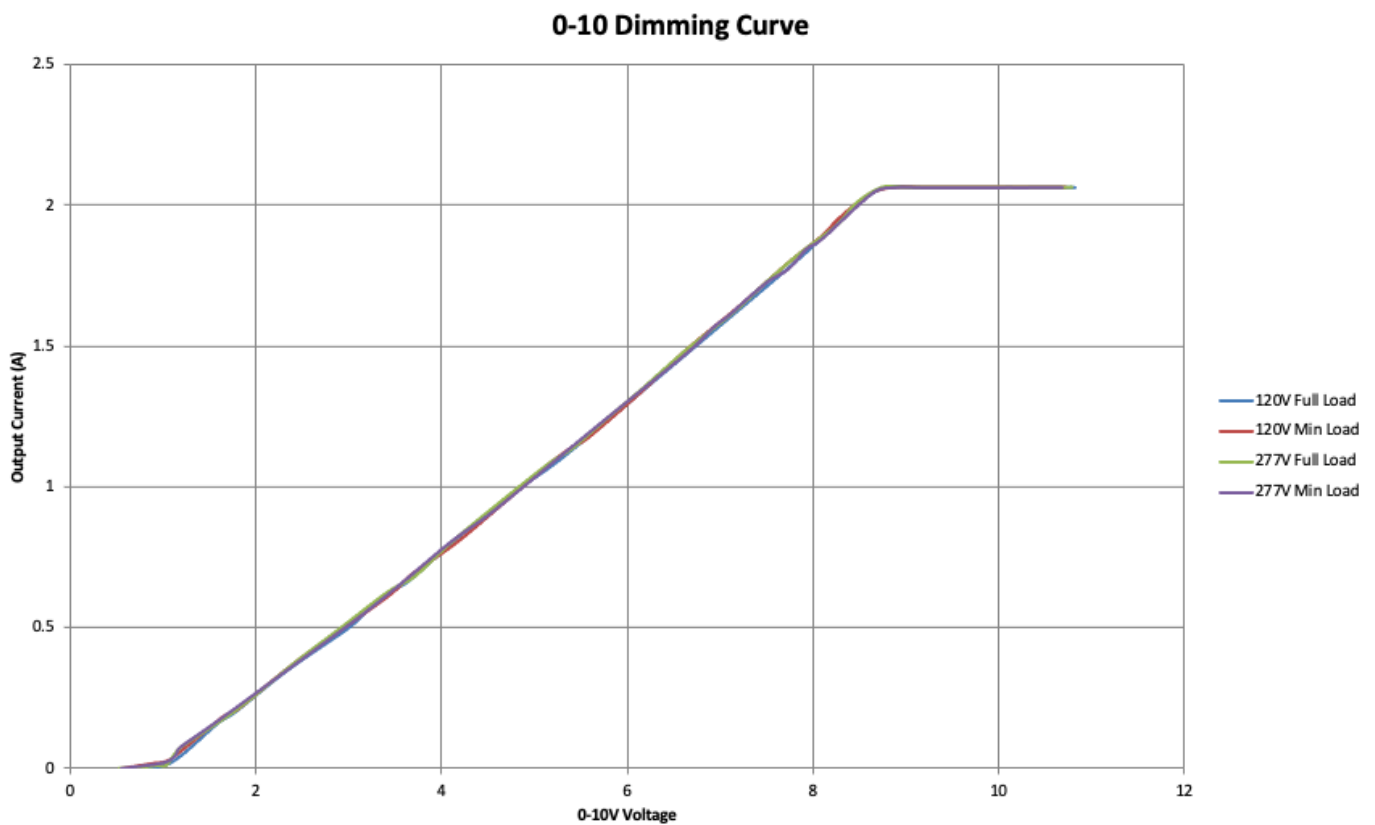


THD, PF and efficiency measured at 25°C. Measurements made on model LC100-2100Z-UNV-I.

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PERFORMANCE CURVES



Mouser Electronics

Authorized Distributor

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[LC100-2100Z-UNV-I](#) [LC100-1050Z-UNV-I](#) [LC100-0700Z-UNV-I](#)