

LV SERIES

CONSTANT VOLTAGE LED DRIVERS

CONSTANT VOLTAGE LED DRIVER CASE STYLE I: METAL



GENERAL INFORMATION

LED Drive Type	Constant Voltage Class 2
Wattage	60W, 80W, 100W
Input Voltage	120-277V AC (+/- 10%)
Input Frequency	50/60Hz
Power Factor @ Full Load	>0.9
Efficiency @ Full Load	Up to 86% (See chart)
Start-Up Time	<750ms
Line Regulation	1%
Output Voltage Tolerance (@25°C)	+/- 5%
Output Overload Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
EMI Compliance	FCC Part 15 Class B
Minimum Load	No Minimum Load

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 & Damp
Sound Rating	Class A

APPROVALS



WARRANTY

- 5 year limited warranty

ELECTRICAL SPECIFICATIONS

Max. Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency	THD @ Full Load (120V)	Input Current (A)(120V)	Part Number
60W	12 VDC	5.00A	85%	<20%	0.65/0.28A	LV60-12N-UNV-I
	24 VDC	2.50A	86%			LV60-24N-UNV-I
80W	24 VDC	3.30A	86%	<20%	0.86/0.40A	*LV80-24N-UNV-I
100W	12 VDC	8.34A	86%	<20%	0.96/0.41A	**LV100-12N-UNV-I
	24 VDC	4.17A				LV100-24N-UNV-I

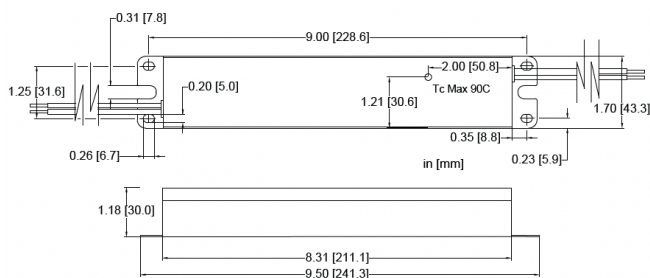
Output Designed for LED Loads Only

*UL recognized **Non class 2

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SIZING INFORMATION



Always confirm fit with a physical sample.
Specifications subject to change without notice.

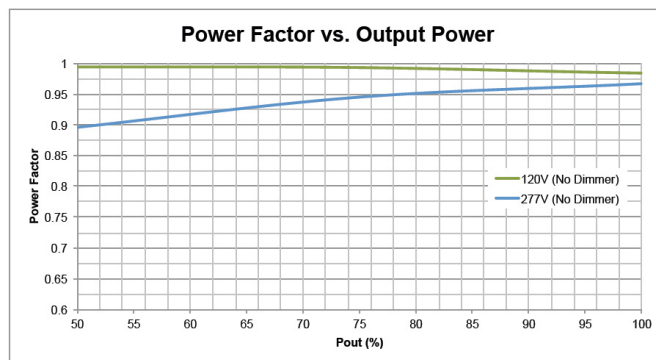
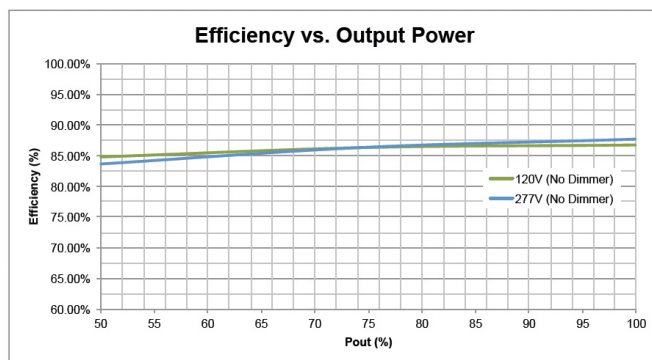
WIRING INFORMATION

Input	12", Black (L), White (N) #18AWG
Output	12", Red (+), Blue (-) #18AWG (#16AWG for LV100-12N-UNV-I)

PACKAGING INFORMATION

Weight	21.2oz
Quantity	30pcs/carton

PLOT DATA - LV60

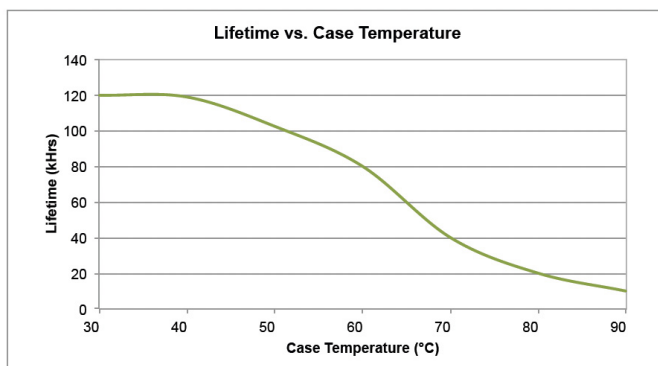


Efficiency and PF measured at 25°C.
Measurements made on model LV60-24N-UNV-I.

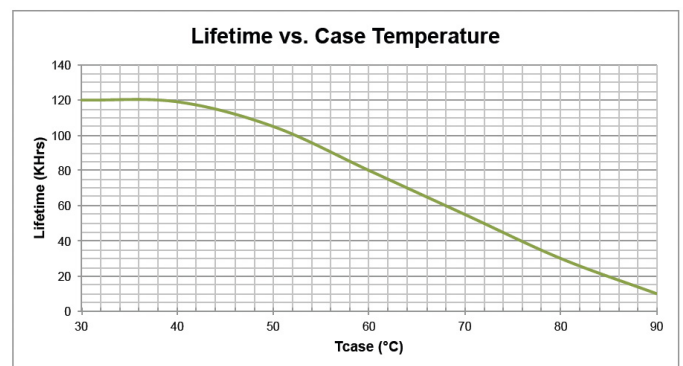
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PLOT DATA - LV60

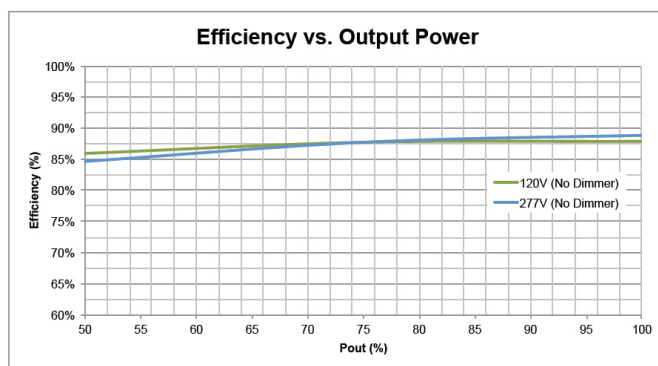


Efficiency and PF measured at 25°C.
Measurements made on model LV60-24N-UNV-I.

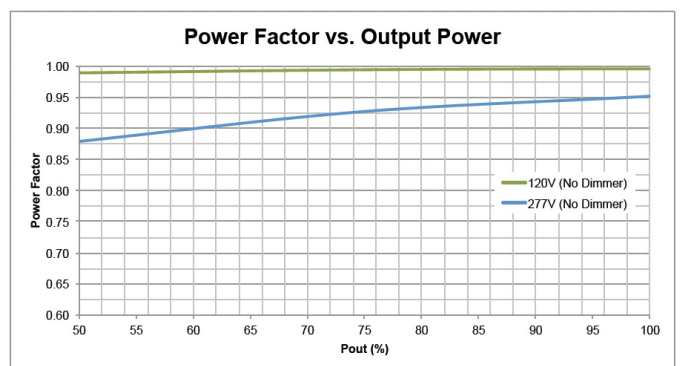


Measurements made on model LV60-12N-UNV-I.

PLOT DATA - LV80



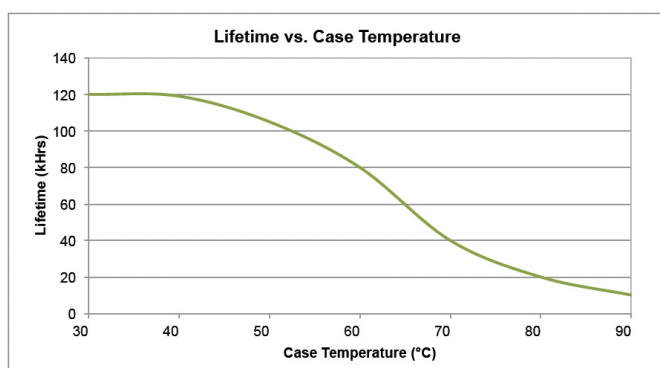
Efficiency and PF measured at 25°C.
Measurements made on model LV80-24N-UNV-I.



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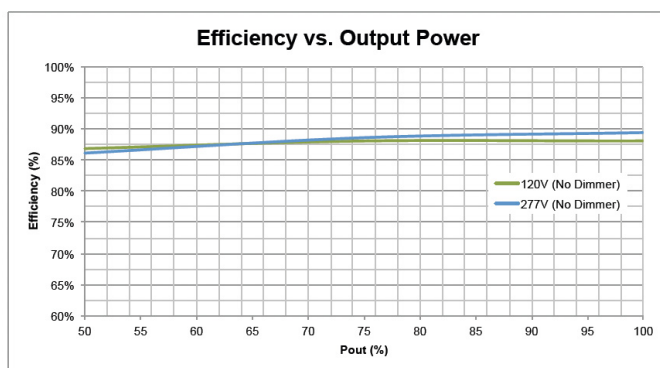
CONSTANT VOLTAGE LED DRIVERS

PLOT DATA - LV80

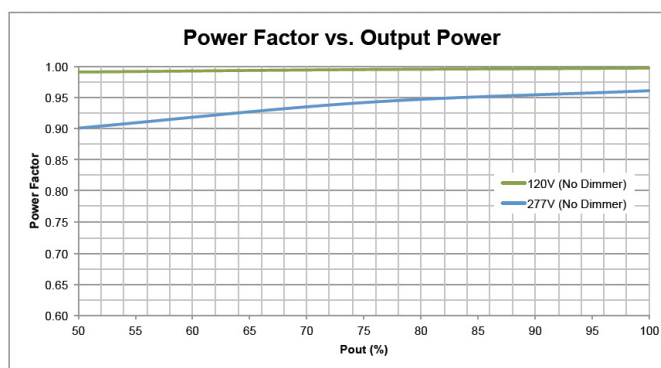


Efficiency and PF measured at 25°C.
Measurements made on model LV80-24N-UNV-I.

PLOT DATA - LV100



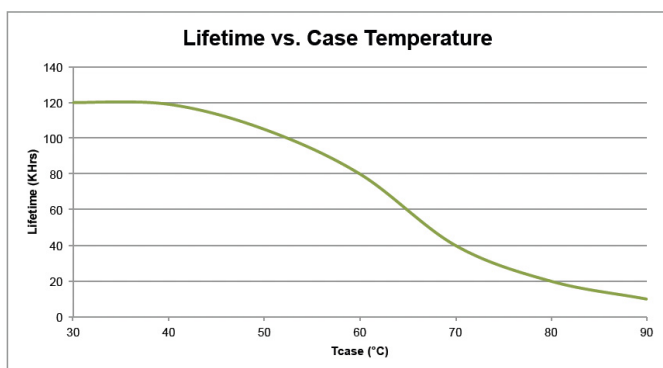
Efficiency and PF measured at 25°C.
Measurements made on model LV100-24N-UNV-I.



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PLOT DATA - LV100



Efficiency and PF measured at 25°C.
Measurements made on model LV100-24N-UNV-I.

Mouser Electronics

Authorized Distributor

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