

Size: 9.50in x 4.70in x 1.15in (241mm x 43mm x 30mm)

**FEATURES**

- Constant Voltage LED Driver
- Input Voltage of 120~277VAC
- IP20 Design for Dry and Damp Locations
- Over Voltage, Over Current, and Short Circuit Protection
- High Efficiency
- UL8750 and UL879 Safety Approvals

**DESCRIPTION**

The LEDA100 series of LED drivers offers 96 watts of output power in a 9.50" x 4.70" x 1.15" IP20 designed package. This series has a wide input voltage range of 120~277VAC and single output models. Each model has over voltage, over current, and short circuit protection, high efficiency, and UL8750 and UL879 safety approvals.

**MODEL SELECTION TABLE**

Model Number	Input Voltage Range	Output Voltage	Over Current Voltage	Output Current		Typical Efficiency			Ripple & Noise	Output Power
				Min Load	Max Load	@120V	@240V	@277V		
LEDA100-12V	120~277VAC	12V	13V	0A	8A	86%	88%	88%	<3% pk-pk	96W
LEDA100-24V		24V	25V	0A	4A	88%	89%	89%		

**SPECIFICATIONS**

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
Input Voltage Range		120		277	VAC
Input Voltage Tolerance			±10		%
Input Frequency			50/60		Hz
Input Current	@120V			0.96	A
	@240V			0.48	
	@277V			0.42	
Inrush Current	@230V		20		A
Power Factor	Under 120~277VAC Input with 80~100% Load Condition	0.9			
THD	Under 120~277VAC Input with 80~100% Load Condition			20	%
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage		See Table			
Voltage Tolerance	@Full Load Condition		±5		%
Line Regulation			±1		%
Load Regulation			±2		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise				3	%pk-pk
Turn On Delay Time	@Full Load Condition			2	S
No Load Power Consumption				3	w
Overshoot	@Full Load Condition			10	%
<b>PROTECTION</b>					
Short Circuit Protection	Protection will trigger when short circuit and will automatically recover after fault mode is removed	Hiccup Mode			
Over Current Protection	Protection will trigger when load current exceeds current specified in model selection table. It will automatically recover when fault mode is removed.	Hiccup Mode			
Over Voltage Protection	Protection will trigger when load voltage exceeds specified output voltage and will automatically recover when fault mode is removed.	Hiccup Mode			
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		-40		60	°C
Storage Temperature		-40		85	°C
Max. Case Temperature				90	°C
Humidity		5		95	%
Life Rating	@120VAC Input, 100% Load, 60°C Case Temperature		80,000		Hours
MTBF	@40°C Ambient (~70°C Case Temp)		258,000		Hours
<b>GENERAL SPECIFICATIONS</b>					
Efficiency		See Table			
Withstand Voltage	Input to Output	2,800VDC, 2mA			
Leakage Current	@277VAC, 60Hz Input			0.5	mA

**SPECIFICATIONS**

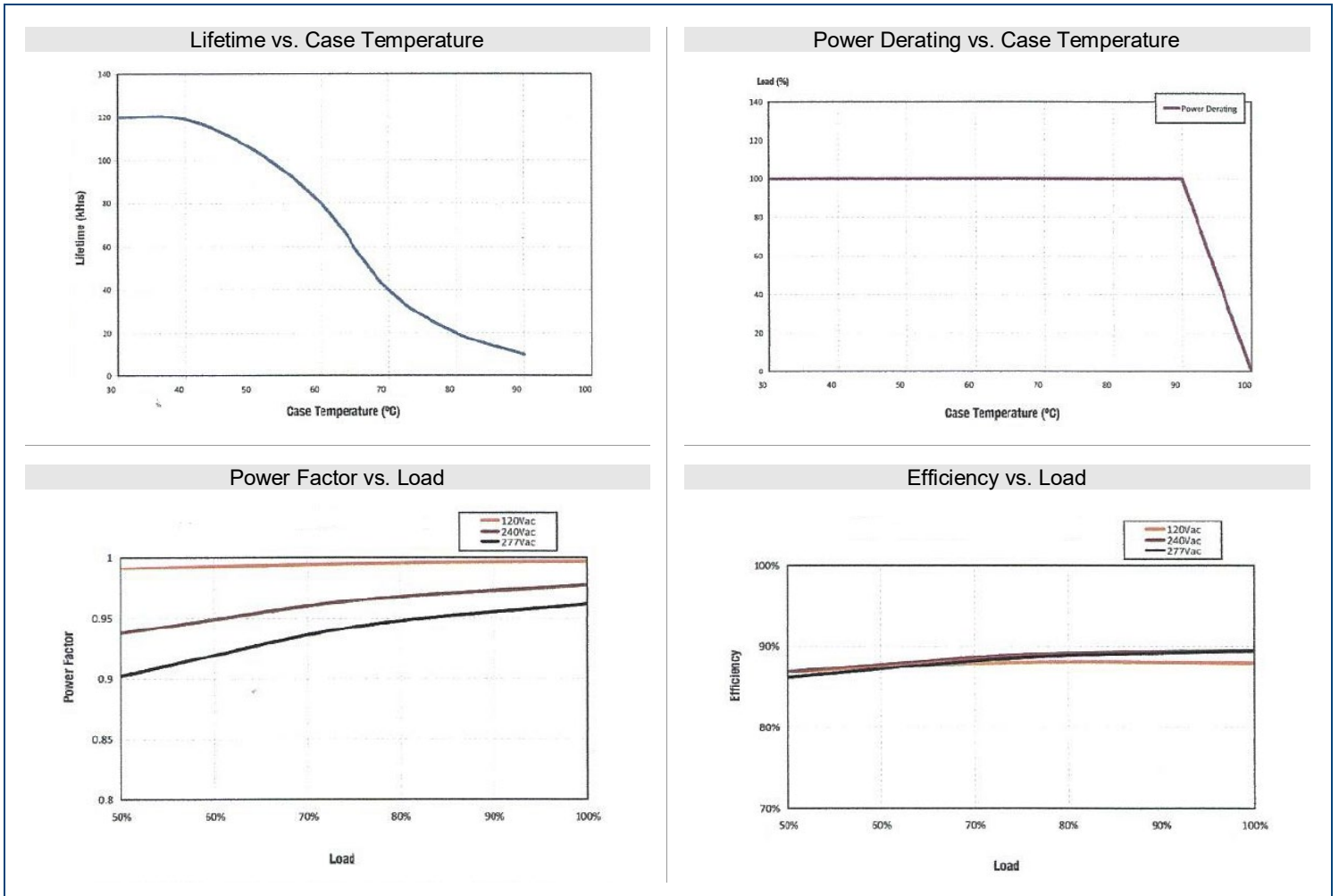
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>PHYSICAL SPECIFICATIONS</b>					
Weight				1.21lbs (0.55kg)	
Dimensions (L x W x H)				9.50in x 4.70in x 1.15in (241mm x 43mm x 30mm)	
Case Material				Metal	
Input Wire				12", UL 1569 #18AWG (Black and White)	
Output Wire	12V Model			12", UL 1316 #16AWG (Red and Blue)	
	24V Model			12", UL 1316 #18AWG	
Remote Mounting Distance (#18AWG)	12V Model			4ft	
	24V Model			9ft	
<b>SAFETY CHARACTERISTICS</b>					
Safety & EMC Compliance		UL/cUL		UL8750, UL879 <sup>(1)</sup>	
		CE		EN61347-1, EN61347-2-13	
		FCC, 47FR Part 15		ANSI C63.4: 2009 Class B (Consumer Limit)	
		EN61000-3-2		Harmonic Current Emissions Class C	
Class of Supply	24V Model			Class 2 for USA and Canada	

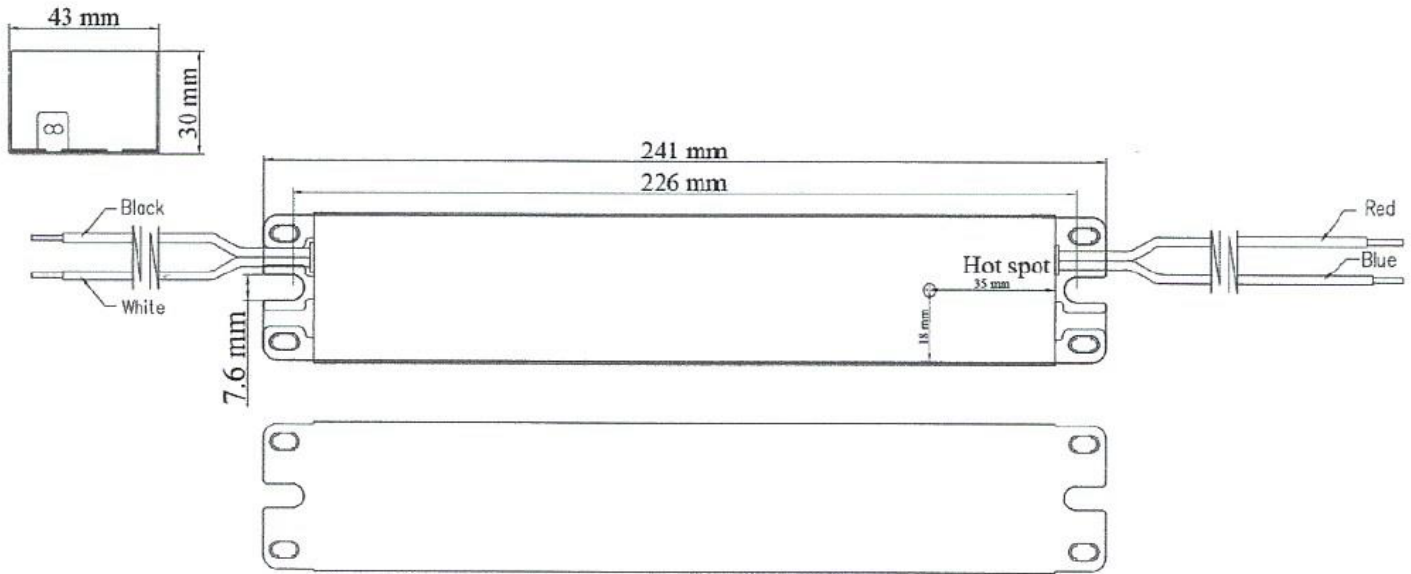
**NOTES**

- This product is Listed to applicable standards and requirements by UL.  
*\*Due to advances in technology, specifications subject to change without notice.*

**CHARACTERISTIC CURVES**



MECHANICAL DRAWINGS



Wire Specifications:

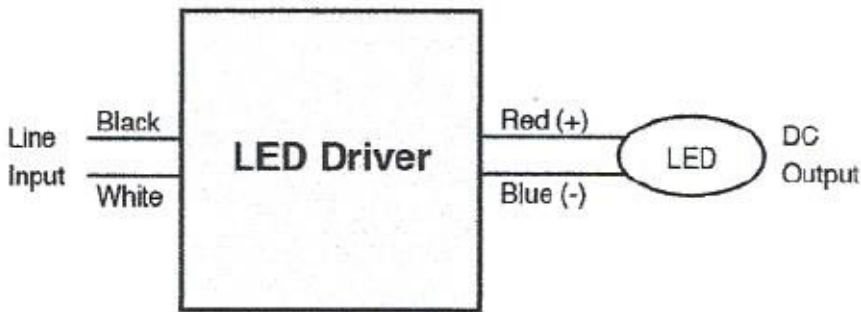
Input: 12", UL 1569 #18AWG (Black and White)

Output:

12V Models: 12", UL 1316 #16AWG (Red and Blue)

24V Models: 12", UL 1316 #18AWG

WIRING DIAGRAM



Packaging Info

0.55kg/unit; 30pcs/carton; 1,080pcs/pallet  
Carton Size: 300 x 280 x 210mm  
Carton Weight: 18kg

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## COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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