



Size: 8.98in x 2.68in x 1.52in (228.1mm x 68mm x 38.7mm)

FEATURES

- Input Voltage Range of 120~277VAC
- IP67 Design for Wet Locations
- RoHS Compliant
- Ultra High Efficiency
- Over Voltage, Over Current, Over Temperature, and Short Circuit Protection
- UL8750 and UL879 Safety Approvals

DESCRIPTION

The PSLHE150 series of constant voltage LED drivers offers up to 150 watts of output power in an 8.98" x 2.68" x 1.52" package. This series consists of single output models with an input voltage range of 120~277VAC. Each model features IP67 design, ultra-high efficiency, as well as over voltage, over current, over temperature, and short circuit protection. This series is RoHS compliant and has UL8750 and UL879 safety approvals.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current		OCV	Typical Efficiency			Remote Mounting Distance (#18AWG)	Output Power
			Min Load	Max Load		@120V	@240V	@277V		
PSLHE150-12S	120~277VAC	12V	0A	12.5A	13V	90%	91%	91%	2ft	150W
PSLHE150-15S		15V	0A	10A	16V	90%	91%	91%	3ft	
PSLHE150-18S		18V	0A	8.33A	19V	90%	91%	91%	4ft	
PSLHE150-24S		24V	0A	6.25A	25V	91%	92%	92%	5ft	
PSLHE150-30S		30V	0A	5A	31V	91%	92%	92%	7ft	
PSLHE150-36S		36V	0A	4.15A	37V	91%	92%	92%	8ft	
PSLHE150-48S		48V	0A	3.12A	48V	91%	92%	92%	11ft	

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 SPECIFICATIONS					
Input Voltage Range		120		277	VAC
Input Frequency			±10		%
Inrush Current			50/60		Hz
Input Current	@277V		98		A
	@120V			1.70	A
	@240V			0.86	
	@277V			0.75	
Power Factor	Under 120~277VAC Input with 80~100% load condition (for all output voltages)	0.9			
THD	Under 120~277VAC input with 80~100% load condition (for all output voltages)			20	%
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Voltage Tolerance	@Full Load Condition		±3		%
Line Regulation			±2		%
Load Regulation			±1		%
No Load Power Consumption				2	W
Output Power		See Table			
Output Current		See Table			
Ripple & Noise	Pk-pk			5	%
Turn-On Delay Time	@Full Load Condition			1	S
Overshoot	@Full Load Condition			10	%
PROTECTION					
Short Circuit Protection	High mode. Protection will trigger when short circuit and will automatically recover after fault mode is removed.				
Over Current Protection	Hiccup mode. Protection will trigger when load current exceeds specified output current and will automatically recover after fault mode is removed.				
Over Voltage Protection	Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will automatically recover after fault mode is removed.				
Over Temperature Protection	Protection will trigger when driver overheats and will automatically recover when cooled down.				

SPECIFICATIONS

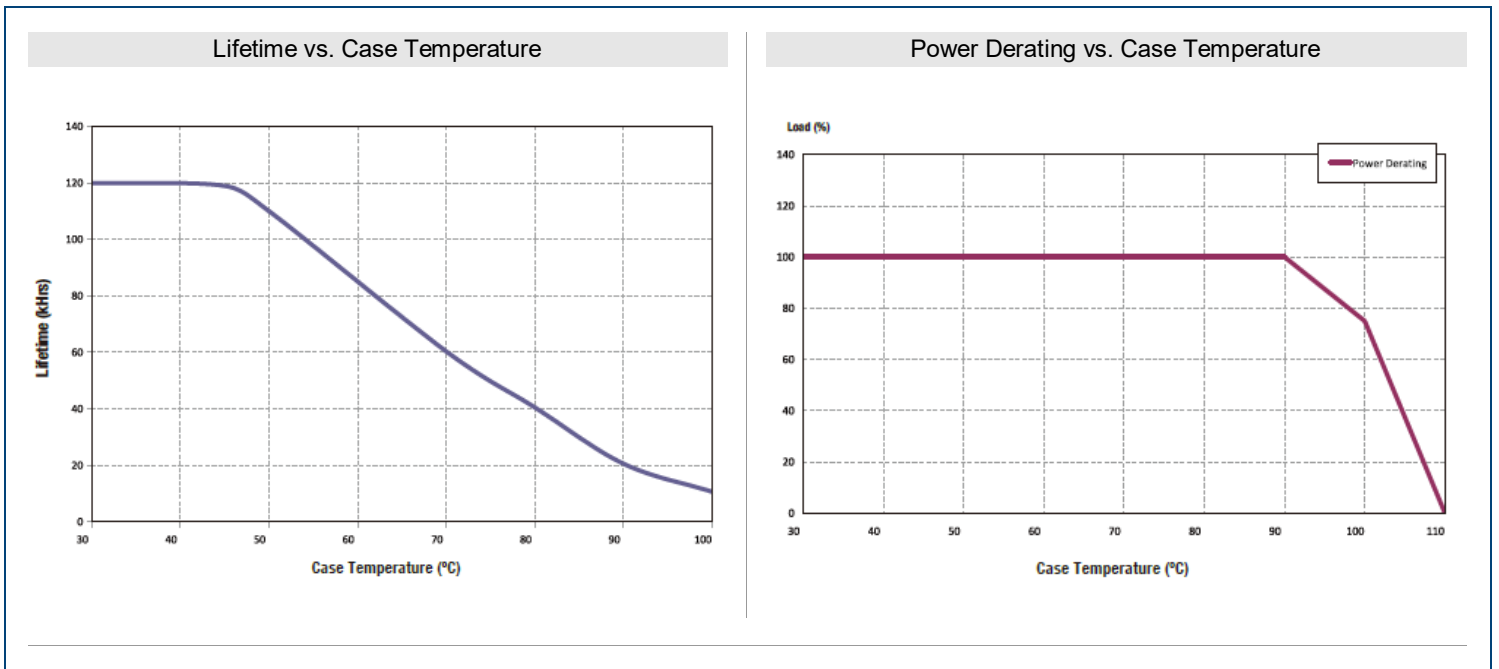
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SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-40		60	°C
Storage Temperature		-40		85	°C
Maximum Case Temperature				90	°C
Humidity		5		95	%
Life Rating	@120VAC Input, 100% Load, 60°C Case Temperature		85,000		Hours
MTBF	@40°C ambient (~70°C Case Temperature)		182,000		Hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	Input to Output	2,800VDC, 2mA			
Leakage Current	@277VAC, 60Hz Input			0.5	mA
PHYSICAL SPECIFICATIONS					
Weight		2.2lbs (1kg)			
Dimensions (L x W x H)		8.98in x 2.68in x 1.52in (228.1mm x 68mm x 38.7mm)			
Mounting Dimension		8.37in (213mm)			
Packaging		1kg/unit, 15pcs/carton, 540pcs/pallet			
Carton Size		445mm x 310mm x 142mm			
Carton Weight		16kg			
Case Material		Aluminum			
Input Wire		12", UL Rated SJTW #18AWG x 3C			
Output Wire		12", UL Rated SJTW #14AWG x 2C			
SAFETY & EMC COMPLIANCE					
UL/cUL	For PSLHE150-24S Model	UL8750 ⁽¹⁾			Class P, Type HL
CE		EN61347-1, EN61347-2-13			
FCC, 47CFR Part 15		ANSI C63.4:2009			Class B (Consumer Limit)
EN61000-3-2		Harmonic Current Emissions			Class C

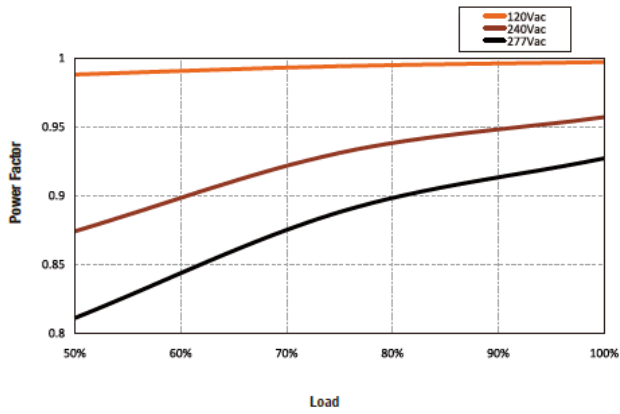
NOTES

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

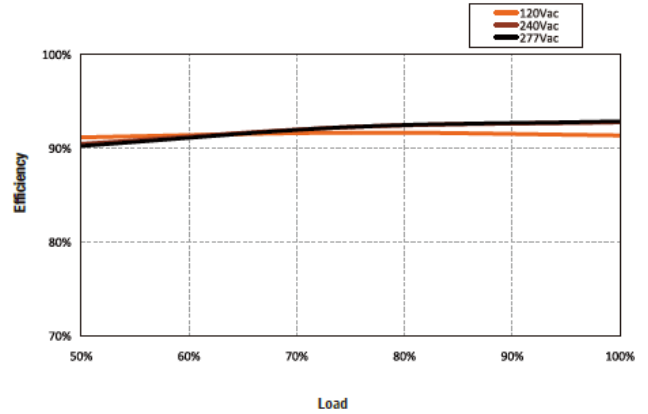
CHARACTERISTIC CURVES



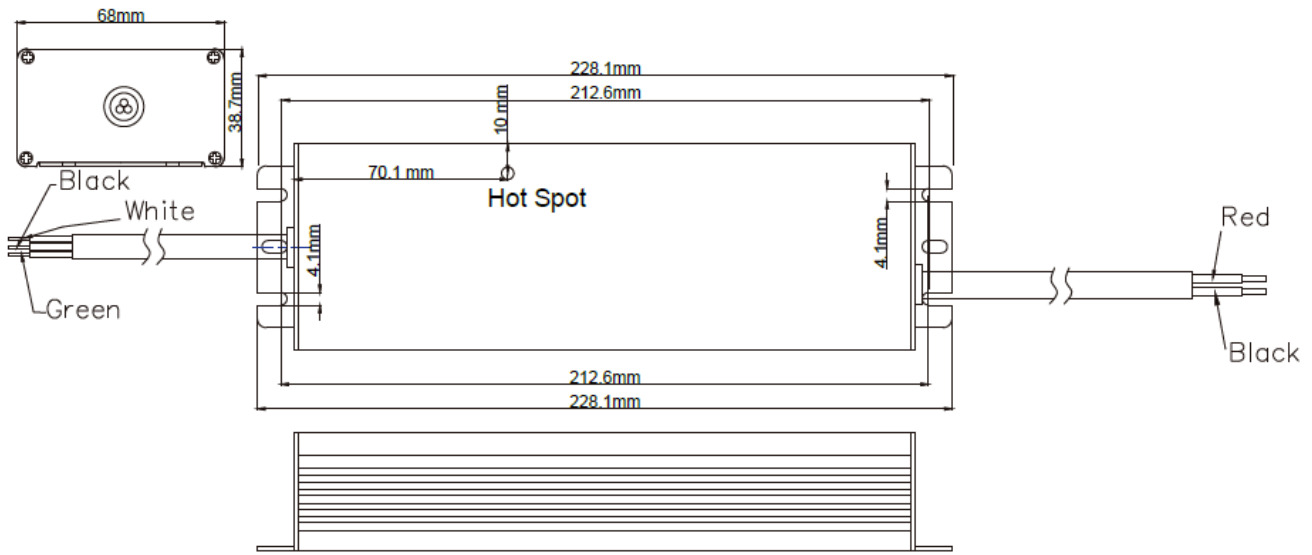
Power Factor vs. Load
PSHE150-24S



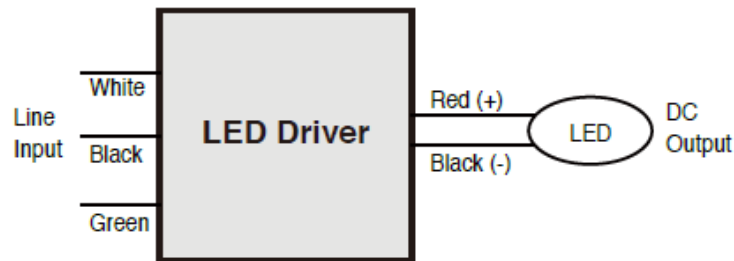
Efficiency vs. Load
PSHE150-24S



MECHANICAL DRAWINGS



Wiring Diagram



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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