

Global Tech Led, LLC.

60W LED Driver: LAV240S60HM9

I. Feature :

- 60W LED driver with 24V constant voltage output
- 0~10V Dimmable output power.
- Active power factor correction
- High efficiency
- Low harmonic distortion
- Output is isolated from AC input
- Over load protection
- Open circuit and short circuit protections.
- UL8750 (E327637)

II. Basic specification :

Describe the basic electrical specifications of the constant voltage controlled LED driver LAV240S60HM9.

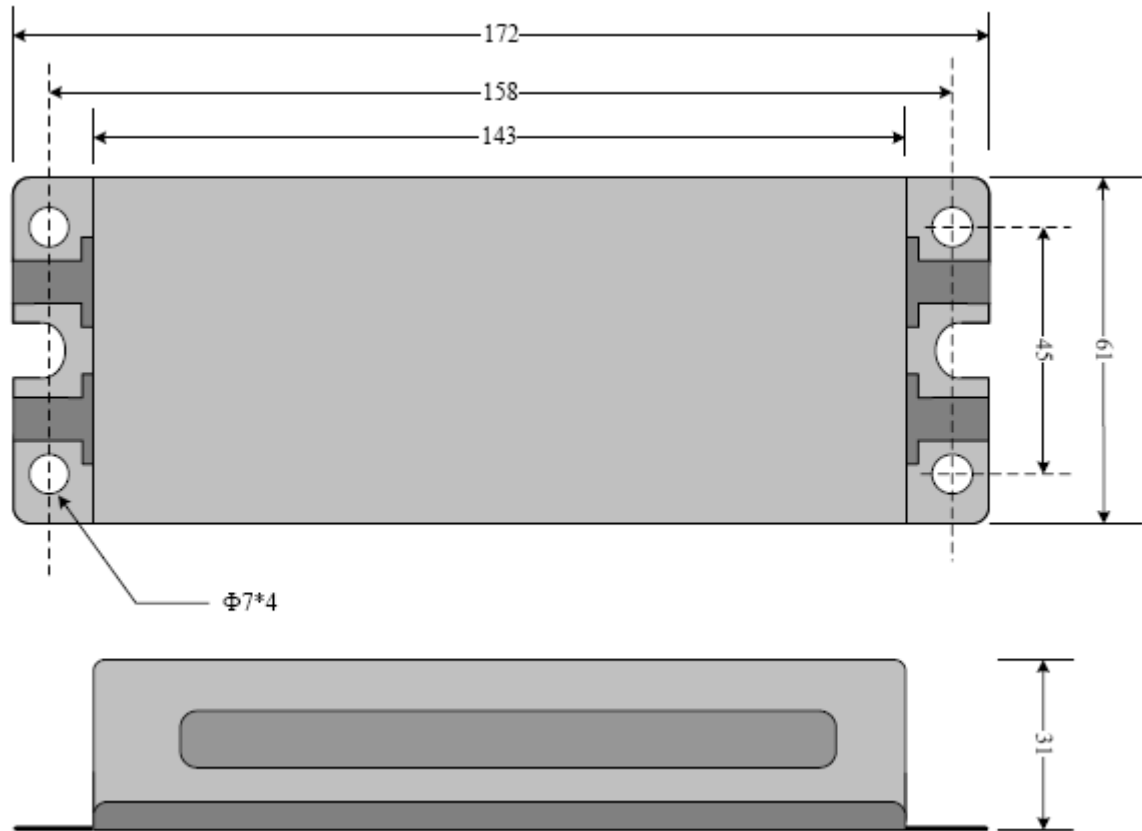
- Input voltage range: 120 ~ 277 Vac, single phase
- Input frequency: 50 / 60 Hz
- Output channel: 1 channel
- Output voltage range: 24 V \pm 3 %
- Output current range: 240 ~ 2500 mA
- Dimming range: 10 ~ 100 %
- High efficiency: Eff. > 90 % at 230 Vac
- High power factor: PF > 0.9 at full load
- Low T.H.D.: T.H.D. < 20 %
- Operating temperature: -25°C ~ +50 °C

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III. Dimension :

The overall dimension is 172 (L) x 61 (W) x 31(H)mm.



IV. Wiring :

Description the wiring definition of the input / output leads.



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V. Test Results :

1. Input current :

Measure the AC input current at maximum loading.

Input voltage	Input current (mA)	Spec.
120V / 60Hz	583	
230V / 50Hz	298	
277V / 60Hz	247	

2. Input wattage at no-load condition :

Measure the input wattage at no load.

Input voltage	Input wattage (W)	Spec.
120V / 60Hz	0.91	
230V / 50Hz	1.32	
277V / 60Hz	1.91	

3. Efficiency :

Measure the output efficiency at different output watt.

Input voltage (V)	Input Power (W)	Output voltage (V)	Output current (A)	output Power (W)	Efficiency (%)	
120V	66.0	23.9	2.51	59.9	90	
230V	66.1	23.9	2.51	59.9	90	
277V	66.2	23.9	2.50	59.7	90	

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4. Open circuit voltage protection :

Measure the output voltage when open circuit.

Input voltage	Output voltage (V)	Spec.
120V / 60Hz	0.71	
230V / 50Hz	1.12	
277V / 60Hz	1.71	

5. Short circuit protection :

Short the output of the power supply.

Input voltage	Input wattage (W)	Spec.
120V / 60Hz	2.61	
230V / 50Hz	3.51	
277V / 60Hz	5.81	

6. Total harmonic distortion :

Measure the current harmonic at full load.

Input voltage (V)	PF	THD (%)	Spec.
120V / 60Hz	0.99	3.1	
230V / 50Hz	0.99	6.5	
277V / 60Hz	0.98	7.8	

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VI. Model name:

L A V 240 S 60 H M9

(1) (2) (3) (4) (5) (6) (7) (8)

(1) LED

(2) Input voltage: 120~277 Vac

(3) Output control style: V- constant voltage C- constant current

(4) Output voltage

(5) Output circuit: S- Single, D-Dual, T-Triple, Q-Quad

(6) Output watt

(7) Power factor: H-high power factor, N-non power factor

(8) 0~10V dim

VII. Warranty

2 years at normal operation temperature.

VIII. Weight & Packing

Net weight: 465g

Carton size: 43*29*20 cm

Carton amount: 40pcs

Carton gross weight: 20.6 kg