

SET-24096-A is a design update of SET-24096A with identical electrical performance; only the case has been redesigned.

A SERIES 96W

Triac/ELV/MLV Constant Voltage LED Driver



Application:

- LED strip/LED tape/LED module
- Residential Lighting
- Commercial Lighting

Feature:

- Dimming: Triac/ ELV/ MLV
- UL LISTED, Class 2, Type HL
- 120Vac input
- Build in active PFC, typical power factor>0.98
- THD<20%@120V Max. load
- Constant voltage type
- Small size: 2.89x1.53x0.89 inch (L*W*H)
- Super low loading request, works perfect at 20-100% load.
- Short-circuit, over-load protection.
- Compatible with popular dimmers in the market, Lutron-CL, Diva series and so on.
- Dimming 0-100%
- Fully encapsulated with IP64 level for dry and damp locations
- 3-year warranty

Specification:

Model Number	SET-24096-A
Output Type	
Rated Power	96W
Rated Voltage	24V
Rated Current	4A
Voltage Tolerance	±0.5V
Voltage Regulation	±0.5%
Load Regulation	±1%

Input Type	
Voltage Range	100-130Vac
Frequency Range	47-63HZ
Efficiency (Typ.)	88%@120VAC
Total Harmonic Distortion	THD< 20%(@100% load)
Power Factor(typ.)	0.98@120VAC
AC Current (Typ.)	0.92A
Inrush Current(Typ.)	-
Leakage Current	<0.5mA/ 120VAC
PROTECTION	
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
Over Load	Hiccup mode, recovers automatically after fault condition is removed.
ENVIRONMENT	
Working Temp.	Tcase=-40 ~ +60 (Please refer to “OUTPUTLOAD vs TEMPERATURE” section)
Working humidity	20 ~ 95% RH non-condensing
Storage temp., Humidity	-40 ~ +90, 10 ~ 95% RH
Temp .coefficient	±0.03%/°C (0~50°C)
Vibration	10~500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes
SAFETY & EMC	
Safety standards	UL8750, Class 2
Safety standards	I/P-O/P:1.88KVAC

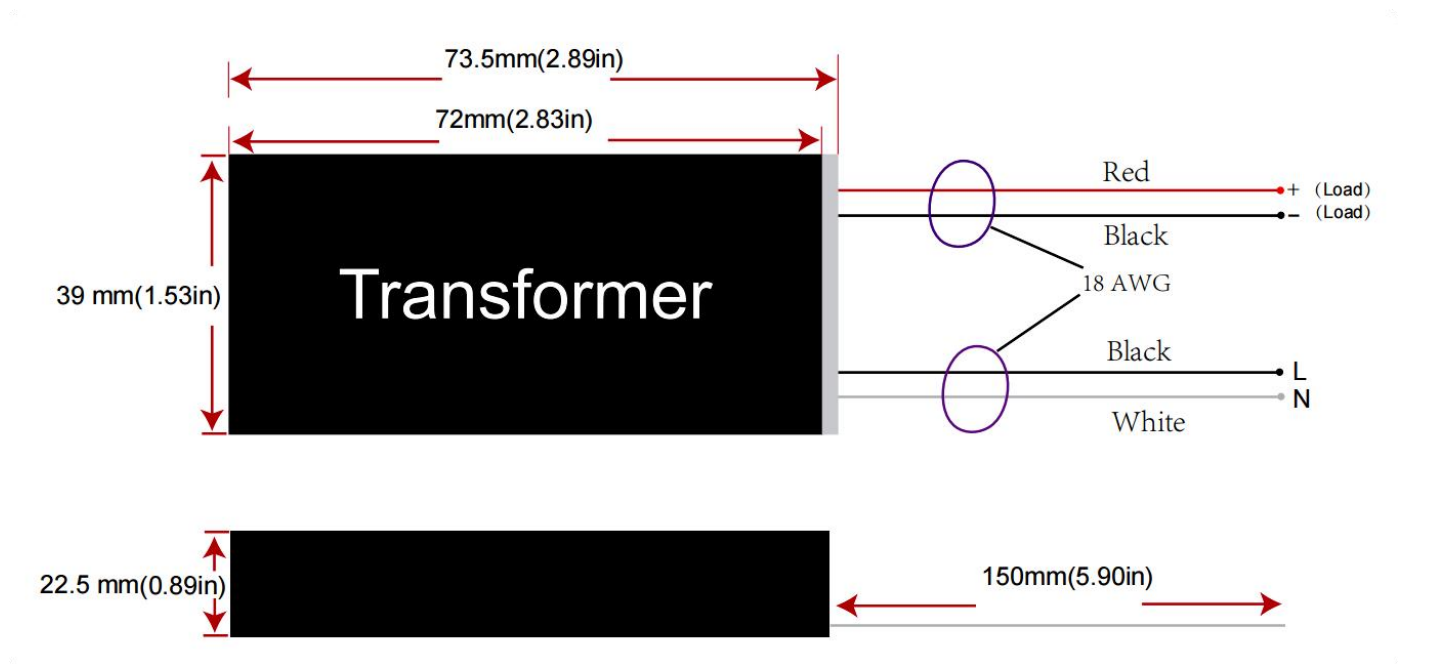
OTHERS

Dimension	2.89x1.53x0.89 inch (L*W*H)
Packing	-

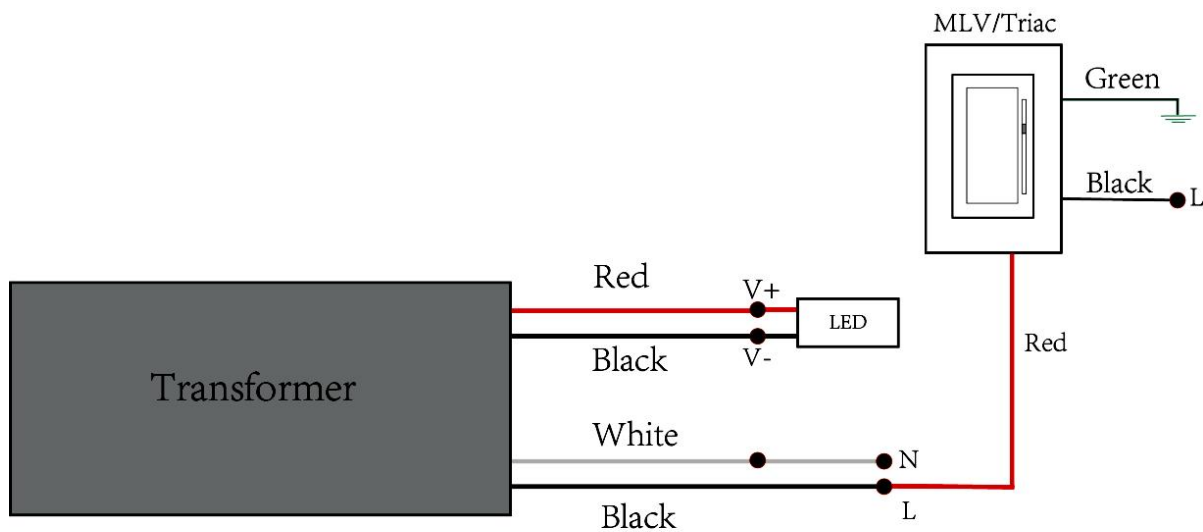
NOTE:

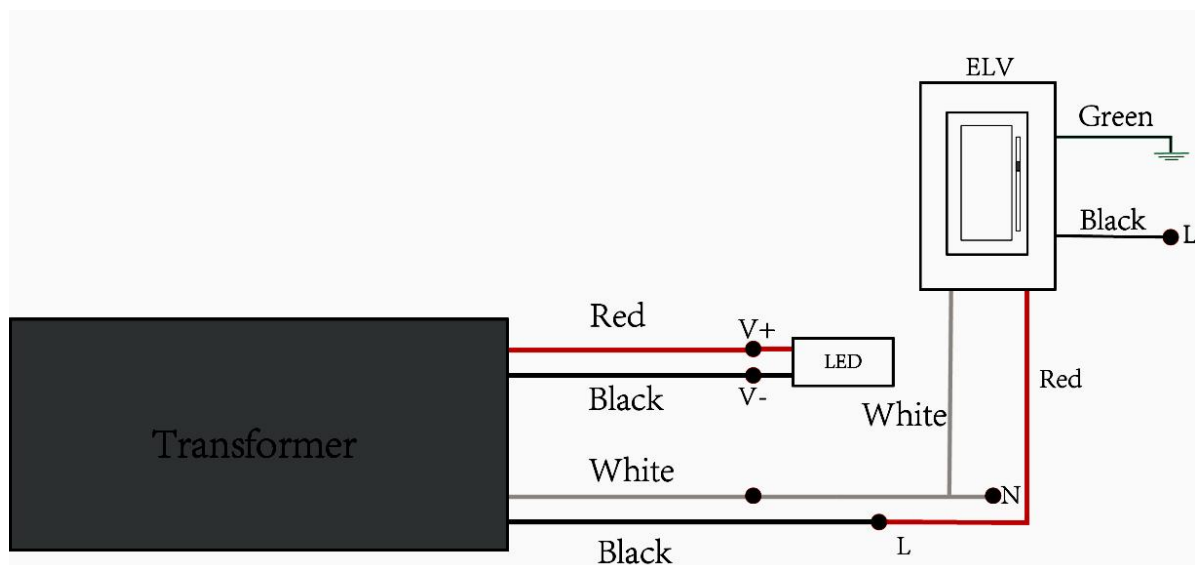
All parameters if NOT specially mentioned are measured at 120VAC input voltage, rated current and 25°C of ambient temperature.

➤ Mechanical Diagram



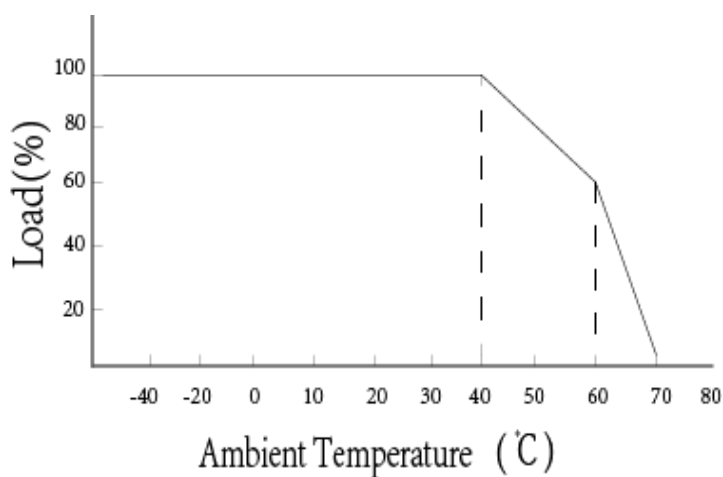
➤ Wiring Diagram





➤ Technology Curve:

Note: Load vs Ambient Temp. curve



➤ Industruction:

- This driver should be installed by qualified and professional person
- Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation
- Ensure that wiring is correct before test in order to avoid light and power supply damage