

PRO SERIES NL-96W-24T

96W Triac Dimmable 100-227VAC Constant
Voltage LED Driver + PWD Signal

Product Specification

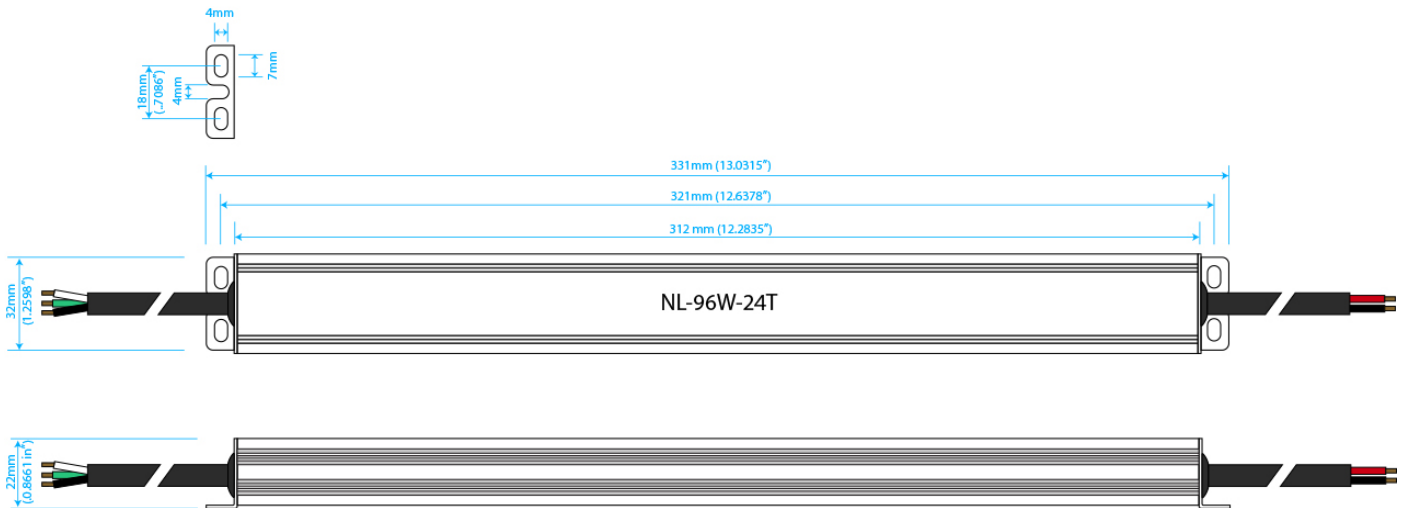
▶ OUTPUT	<ul style="list-style-type: none"> - DC Voltage - Voltage Accuracy - Rated Current - Rated Power - Voltage Regulation - Load Regulation 	24VDC ± 5% 1.10 Amp 96W ± 5% ± 1%
▶ INPUT	<ul style="list-style-type: none"> - Voltage Range - Frequency Range - Power Factor - Full Load Efficiency - AC Current (Typ.) - Inrush Current (Typ.) - Leakage Current 	100-277 VAC 47~63HZ PF≥0.99/110V / PF≥0.98/277V >79% - >81% 0.1.10A/100VAC / 0.43A/277VAC 7A, 50%, 420us <0.27mA/110VAC; <0.25mA/277VAC
▶ PROTECTION	<ul style="list-style-type: none"> - Short Circuit - Overloading - Over Temperature 	Hiccup mode – automatic recovery after fault condition is removed ≤120% shut down o/p voltage, re-power to recover 100°C±10°C shutdown o/p voltage, automatic recovery after cooling
▶ ENVIRONMENT	<ul style="list-style-type: none"> - Working TEMP - Working Humidity - Storage TEMP Humidity - TEMP coefficient - Vibration 	-40~+60°C 20~90%RH, non-condensing -40~+80°C, 10~95%RH ±0.03%/°C (0~50°C) 10~500Hz, 2G 10min./1 cycle, period for 60min. ea. along X,Y,Z axes
▶ SAFETY & EMC	<ul style="list-style-type: none"> - Standards - Withstand Voltage - Isolation Resistance - EMC EMISSION - EMC IMMUNITY 	UL8750+UL1310 I/P-O/P: 2KVAC I/P-P/P: 100MΩ/500VDC/25°C/70%RH FCC part 15B Compliance to EN61000-4-2,3,4,5,6,,11,, Alright industry level
▶ OTHER	<ul style="list-style-type: none"> - Size - Weight - Packing 	260*32*20mm (L*W*H) 0.4kg 50 pcs per carton
▶ NOTES	<ul style="list-style-type: none"> - All parameters NOT specifically mentioned are measured at 110VAC, 277VAC input, rated load and 25° of ambient temperature - Tolerance: includes set us tolerance, line regulation and load regulation 	



IP67



Mechanical Specification

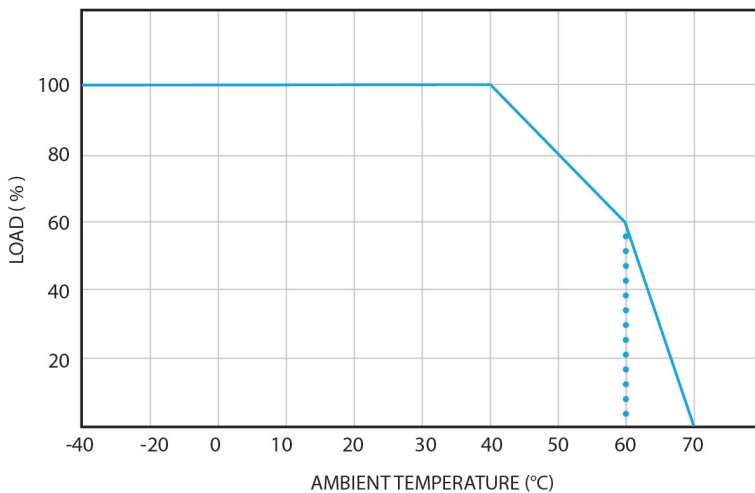


- ▶ Input: 18AWG black & white to be connected to ACL & N; green to ground
- ▶ Output: Red is (DIM+), black is (DIM-)

Dimming Operation

- ▶ Output constant current level adjusted through input terminal of AC phase line(L) by connection to a triac dimmer
- ▶ Compatible with leading or trailing edge dimmers. Trailing edge dimmers are suggested for optimal performance
- ▶ Use dimmers with a minimal power of 1.5 times the output power of the driver

Derating Curve



For extended service life, load should be carried in accordance with the load derating curve and to the ambient temperature derating.

IMPORTANT: This unit should be installed by a qualified and licensed professional, with adequate ventilation allowance for heat dissipation. To avoid light and power supply damage, ensure that wiring is correctly installed prior to testing.

