



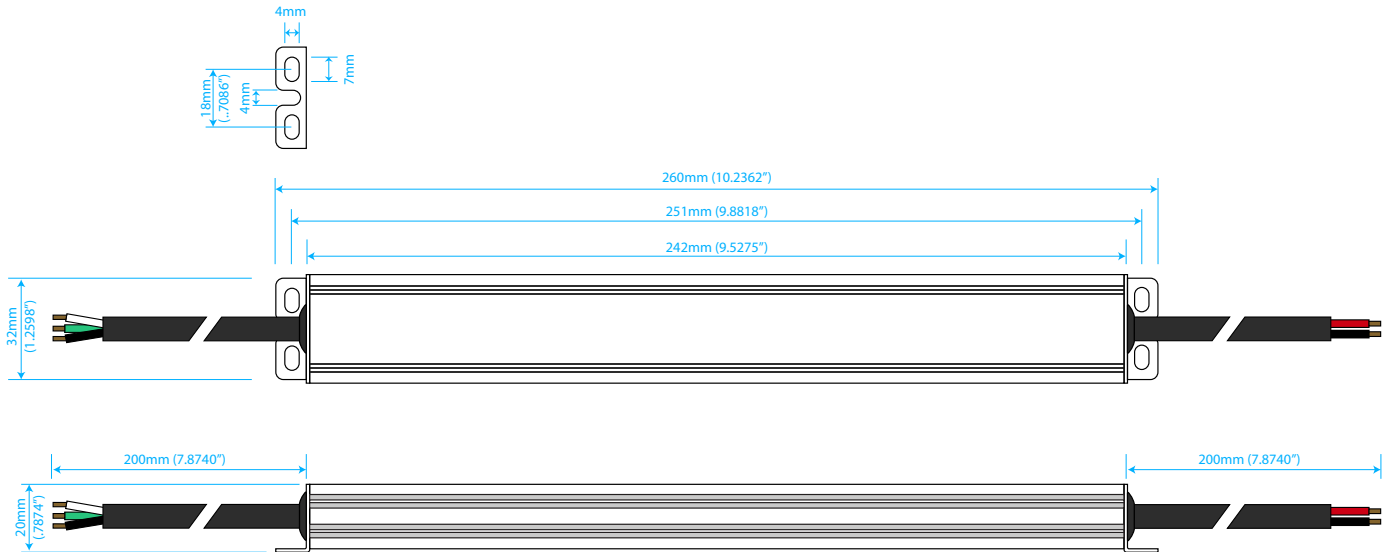
## PRO SERIES NL-30W-24T

30W Triac Dimmable 100-227VAC Constant  
Voltage LED Driver + PWD Signal

### Product Specification

▶ OUTPUT	<ul style="list-style-type: none"> <li>- DC Voltage</li> <li>- Voltage Accuracy</li> <li>- Rated Current</li> <li>- Rated Power</li> <li>- Voltage Regulation</li> <li>- Load Regulation</li> </ul>	24VDC ± 5% 0.83 Amp 30W ± 5% ± 1%	  <b>IP67</b>
▶ INPUT	<ul style="list-style-type: none"> <li>- Voltage Range</li> <li>- Frequency Range</li> <li>- Power Factor</li> <li>- Full Load Efficiency</li> <li>- AC Current (Typ.)</li> <li>- Inrush Current (Typ.)</li> <li>- Leakage Current</li> </ul>	100-277 VAC 47~63HZ PF≥0.99/110V / PF≥0.98/277V >79% - >81% 0.5A/100VAC / 0.13A/277VAC 7A, 50%, 420us <0.27mA/110VAC; <0.25mA/277VAC	
▶ PROTECTION	<ul style="list-style-type: none"> <li>- Short Circuit</li> <li>- Overloading</li> <li>- Over Temperature</li> </ul>	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"> <li>- Working TEMP</li> <li>- Working Humidity</li> <li>- Storage TEMP Humidity</li> <li>- TEMP coefficient</li> <li>- Vibration</li> </ul>	-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"> <li>- Standards</li> <li>- Withstand Voltage</li> <li>- Isolation Resistance</li> <li>- EMC EMISSION</li> <li>- EMC IMMUNITY</li> </ul>	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"> <li>- Size 260*32*20mm (L*W*H)</li> <li>- Weight</li> <li>- Packing</li> </ul>	0.335kg 50 pcs per carton	
▶ NOTES	<ul style="list-style-type: none"> <li>- All parameters NOT specifically mentioned are measured at 110VAC, 277VAC input, rated load and 25° of ambient temperature</li> <li>- Tolerance: includes set us tolerance, line regulation and load regulation</li> </ul>		

## Mechanical Specification

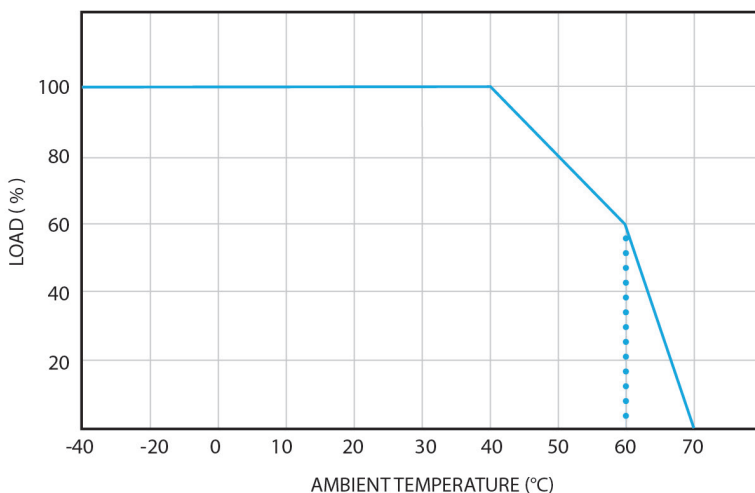


- ▶ Input: 18AWG black & white to be connected to AC L & N; green to ground
- ▶ Output: Red is (DIM+), black is (DIM-)

## 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.

