

Date: _____ Firm: _____ Project: _____ Contact: _____

FEATURES

- 24VDC 96W LED DRIVER
- Smooth flicker free dimming - Dimming range: 0-100%.
- Works with forward phase /leading edge, MLV and Reverse phase /trailing edge, ELV, TRIAC dimmers
- 0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
- Input voltage - 100 - 277VAC
- IP66 - Wet, damp or dry locations
- Load: 10-100%
- Built-in PFC function PF>0.98
- Efficiency > 86%
- Protections: Short circuit/Over loading/ Over temperature
- Cooling by free air convection
- PWM output, does not change the color index
- UL, cUL listed, Class 2 unit, Type HL rated. FCC



SPECIFICATIONS

Output	DC Voltage	24V
	Voltage Regulation	±0.5%
	Rated current	4.0A
	Voltage Tolerance	±0.5V
	Load Regulation	±1%
	Rated power	96W (class 2)
Input	Voltage Range	100-277VAC
	Frequency Range	47-63Hz
	Power Factor(Typ.)@ full load	0.98@120VAC 0.95@277VAC
	THD (Typ.) @ full load	<20%
	Efficiency (Typ.) @ full load	83% @120Vac 86%@277Vac
	AC Current (Max.)	1.3A@100VAC
	Inrush Current (Typ.)	20A, 50%, 1.6ms
	Leakage current	<0.50mA
Protection	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed
	Over Loading	≤120% constant current limiting, auto-recovery
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.
Environment	Working TEMP.	-40~+60°C (see below derating curve)
	Working Humidity	20~90%RH, non-condensing






Class 2 Type HL

PS-TSLC-UNV-24V-96WDHV2

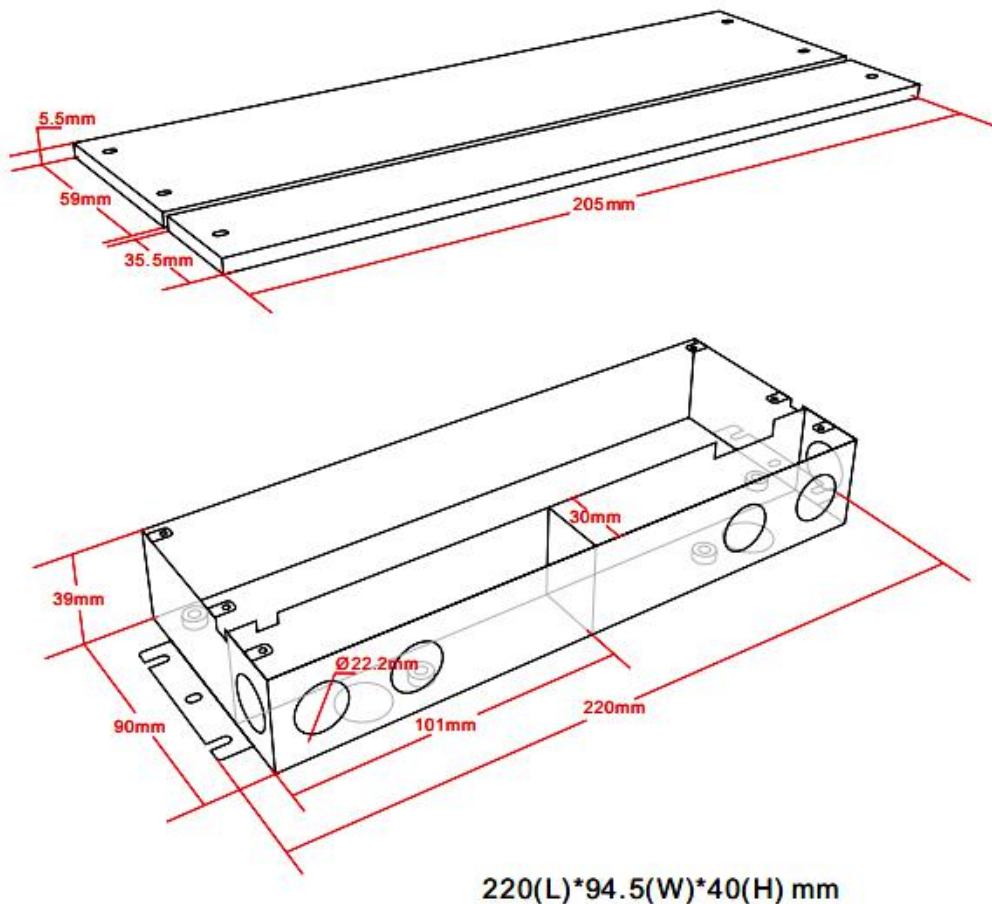
(5 in 1) Dimmable constant voltage 96W LED driver

	Storage TEMP. Humidity	-40~+80°C, 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+UL1310
	Withstand voltage	I/P-O/P:1.88KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC Part 15 B
Others	Weight	About 1.3Kg
	Size	220*94.5*40mm (L*W*H)
	Warranty	5 year limited warranty
Notes	1. All parameters if NOT specifically mentioned are measured at 120VAC input, rated load and 25°C ambient temperature 2. To extend the driver's life, reduce the load at the loading at lower input voltage.	

DIMENSIONS

Unit: mm

Tolerance: 0.5-2mm



Input: Black to load, White to Neutral, Green to ground.
Output: Red to LED (+) side, Black to LED (-) side.
Dimming: 0-10v Purple Dim (+), Gray Dim (-).
Improper connection could damage your power supply and/or fixture.

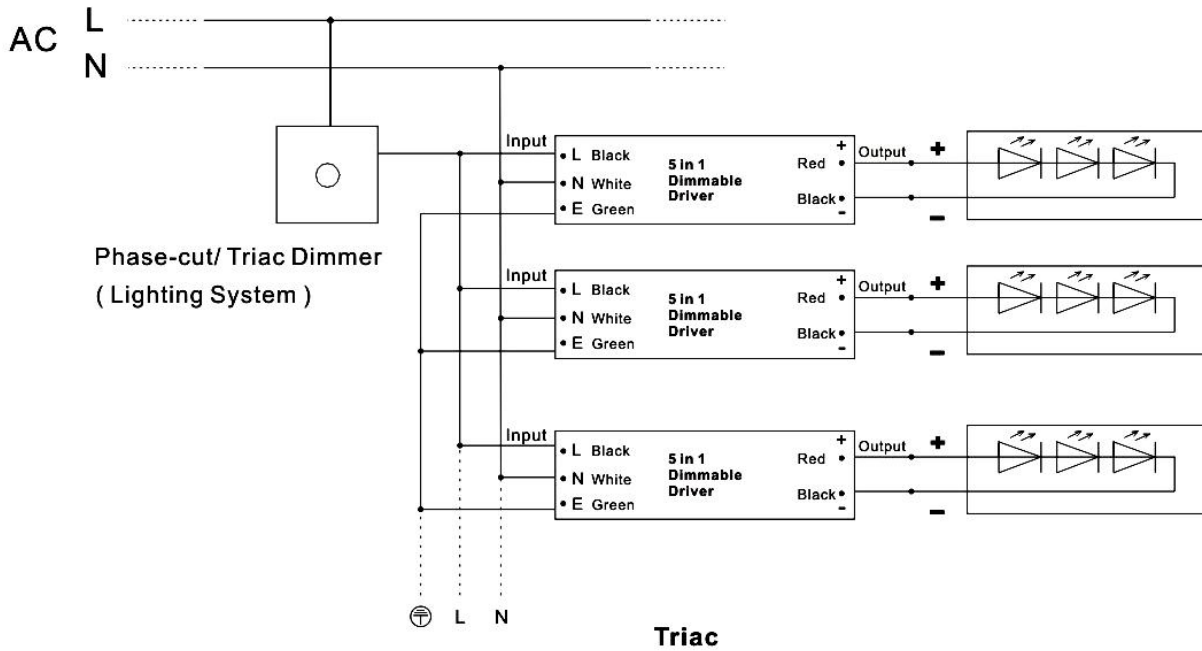
PS-TSLC-UNV-24V-96WDHV2

(5 in 1) Dimmable constant voltage 96W LED driver

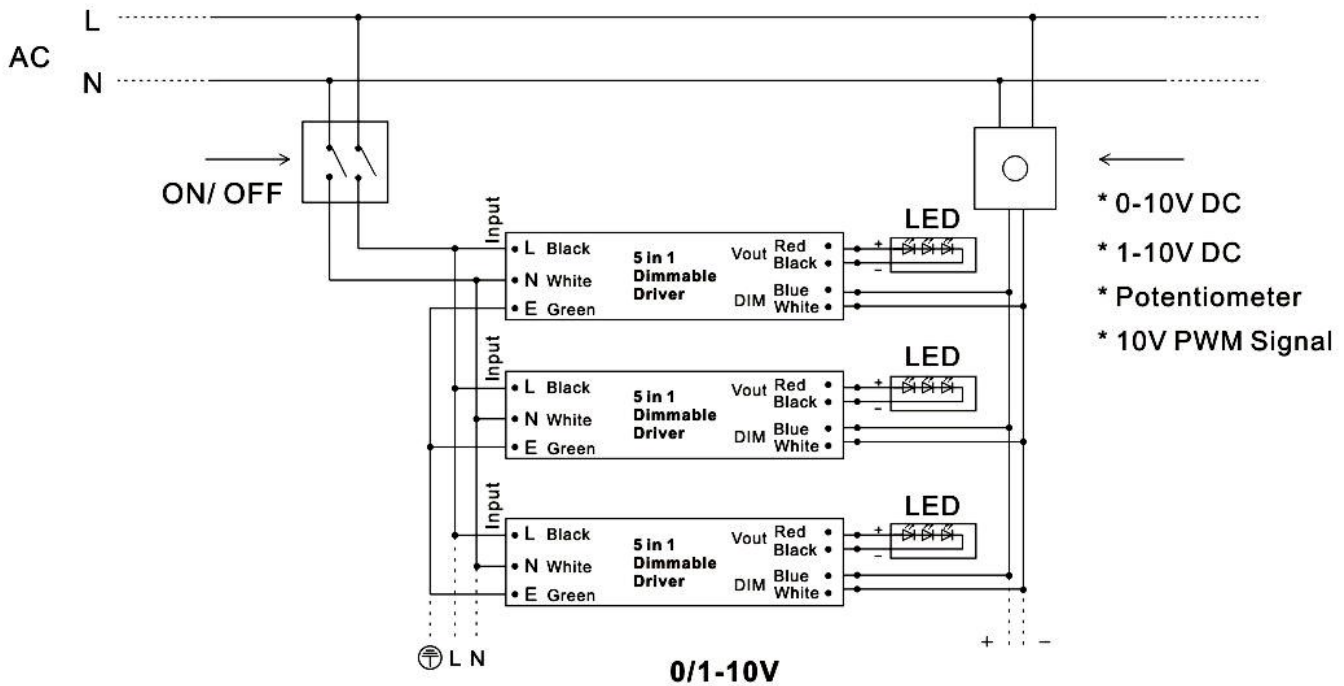
WIRING/CONNECTION

Triac/Phase Dimming

1. The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer of lighting system.
2. Work with forward phase /leading edge ,MLV and reverse phase /trailing edge ,ELV, TRIAC dimmers.
3. Please try to use dimmers with power at least 1.5 times as the output power of the driver.

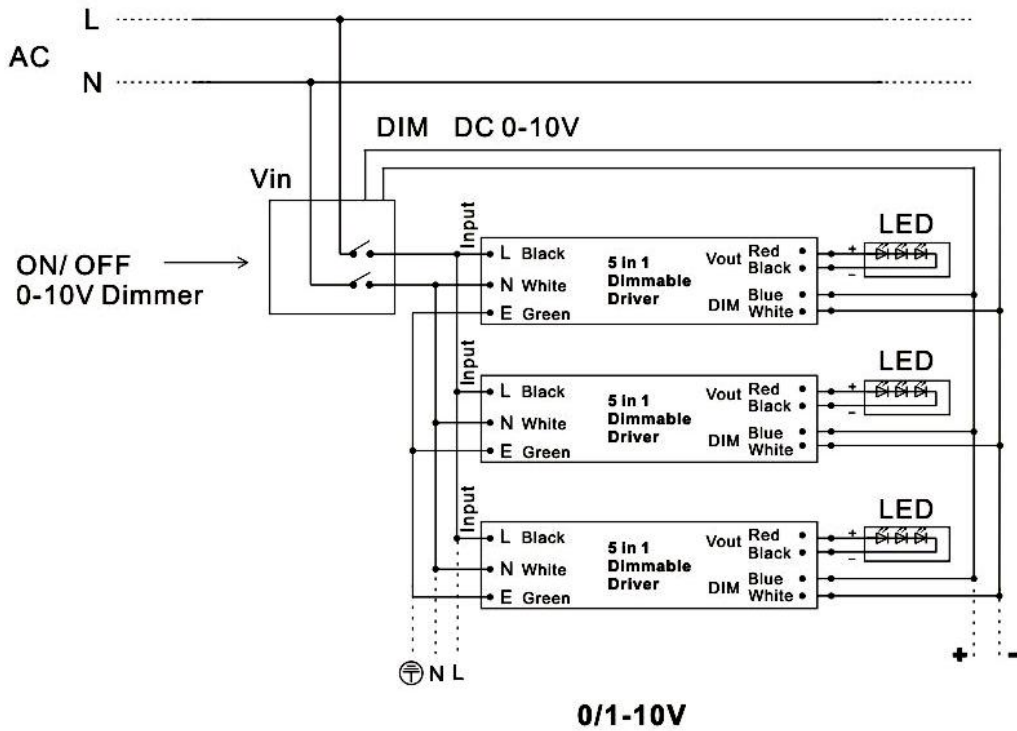


0-10v Dimming

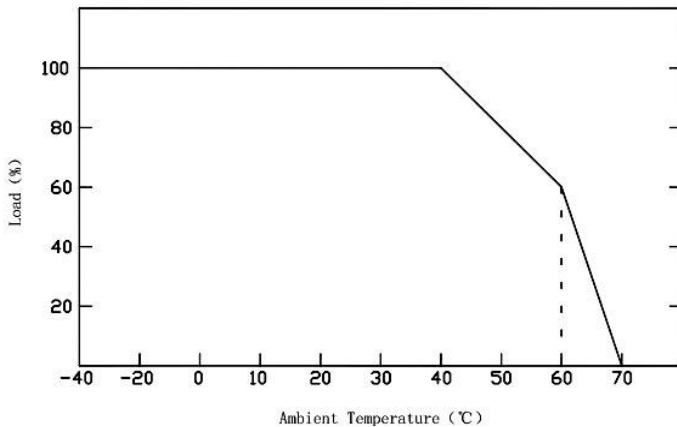


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DERATING CURVE



- To extend their life, please refer to the Derating Curve and derate according to the temperature.

INSTRUCTION

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