

Project name

Type

QTY

» **Features**

- » Output constant voltage
- » UL, cUL listed, Class 2 unit, Type HL rated. FCC
- » Universal AC input: 100-277VAC
- » Power Factor: up to 0.98
- » High efficiency: up to 86%
- » Load: 10-100%
- » Protection: Short circuit / Over loading / Over temperature
- » PWM output, does not change the color index
- » Full protection metal case, for dry, damp, wet location
- » Flicker-free
- » 0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
- » Dimming range: 0-100%

Class 2
TYPE HL

UL, cUL listed, Class 2 unit, Type HL rated, FCC

Output	DC Voltage	24V
	Rated Current	4A
	Rated Power	96W
	Voltage Tolerance	±0.5V
	Voltage Regulation	±0.5%
	Load Regulation	±1%
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
Protection	Leakage Current	<0.50mA
	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±100°C shut down o/p voltage, automatically recover after cooling.
Environment	Working Temperature	-40~+60°C (see below derating curve)
	Working Humidity	20~90%RH, non-condensing
	Storage Temp. & Humidity	-40+80°C, 10~95%RH
	Temperature Coefficient	±0.03%/°C (0~50°C)
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes

Project name

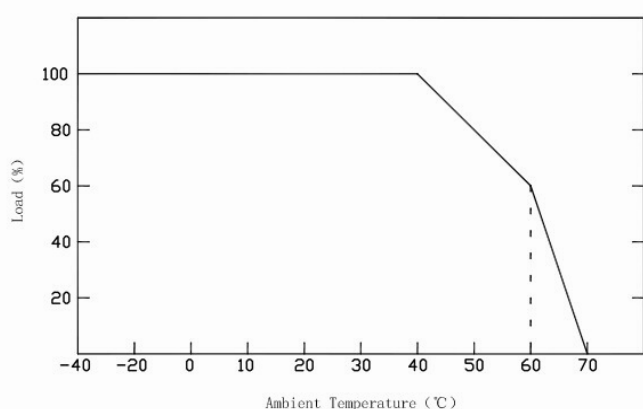
Type

QTY

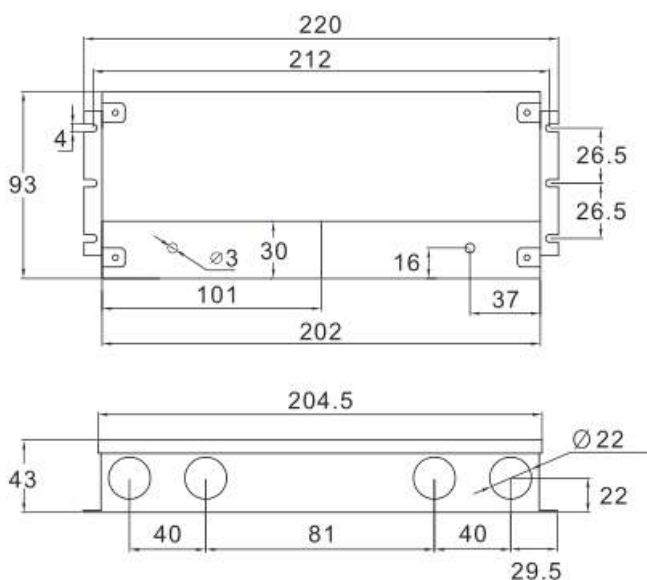
Safety & EMC	Safety Standards	UL8750+UL1310
	Withstand Voltage	I/P-O/P:1.88KVAC
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH
	EMC Emission	FCC Part 15 B
Others	Net Weight	1.3Kg
	Size	220*93*43mm (L*W*H)
	Packing	10PCS/CTN

Notes

1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature.
2. To extend the driver's using life, please reduce the loading at a lower input voltage.

Derating Curve

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

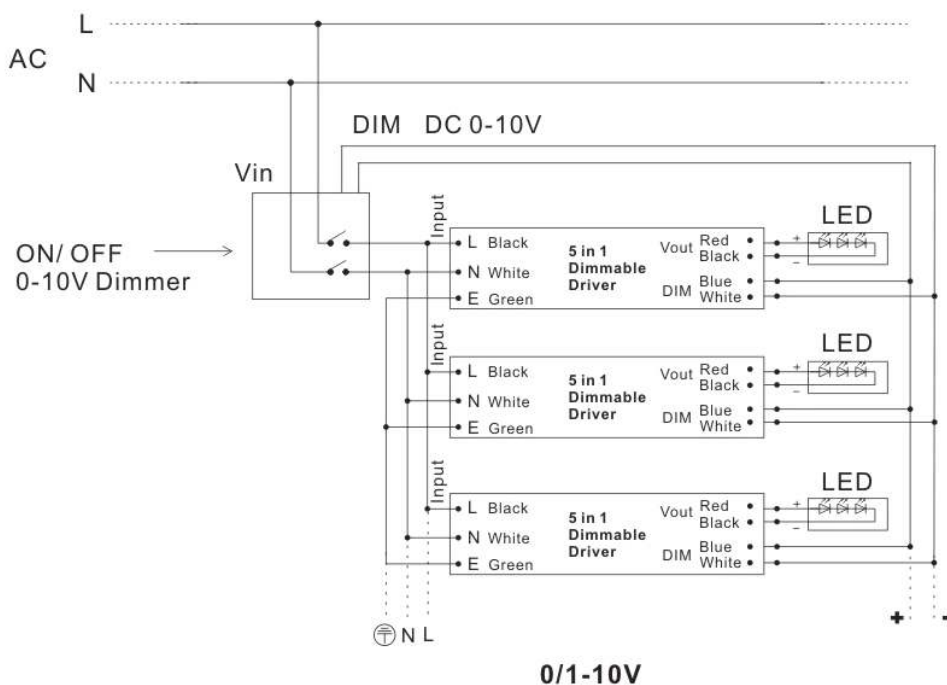
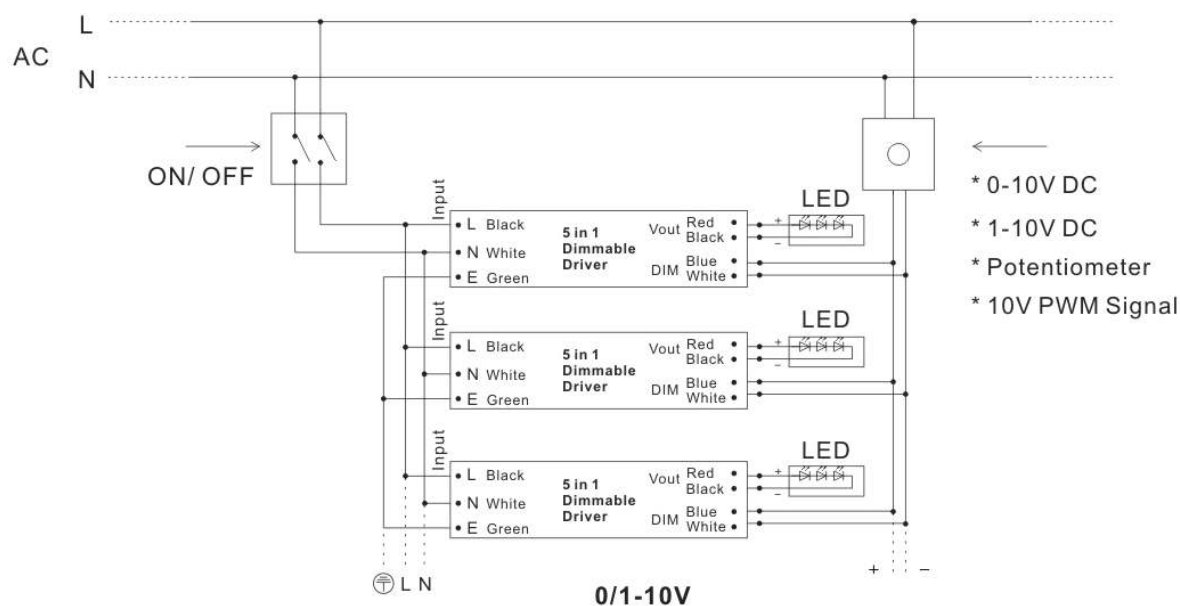
Mechanical Specification

Unit: mm

Tolerance: 0.5-2mm

- » Input wire Black and White to be connected to AC L and N, Green wire go ground,
- » Output wire Red to LED Positive side (+) , Black to LED Negative side (-).
- » Dimming cable DIM (+) Purple to 0/1-10V dimmer signal(+), DIM (-) Grey to 0/1-10V dimmer signal (-)
- » Please make sure your connections are made properly otherwise your product will not function correctly and could be damaged.
- » Note: Customizations may be done upon request.

Connecting Diagrams



Instructions

1. This driver should only be installed by a qualified professional.
2. Make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before testing in order to avoid light and power supply damage.
4. In case of malfunction, do not do maintenance on the driver on your own. If you have any questions, please contact Lumen Warm.