

# LSA-WMD-96W-24V

## LED DIMMER + DRIVER

**LSA-WMD-96W-24V** is a 2-in-1 constant voltage driver and dimmer for LED lighting, offering flicker-free 20kHz PWM output and a wide 0.3%-100% dimming range. With high efficiency (up to 92%), built-in active PFC, and multiple protections, it ensures reliable performance. Designed for dry and damp locations, it operates silently via free air convection.

Project \_\_\_\_\_

Location \_\_\_\_\_

Quote/ Ref # \_\_\_\_\_



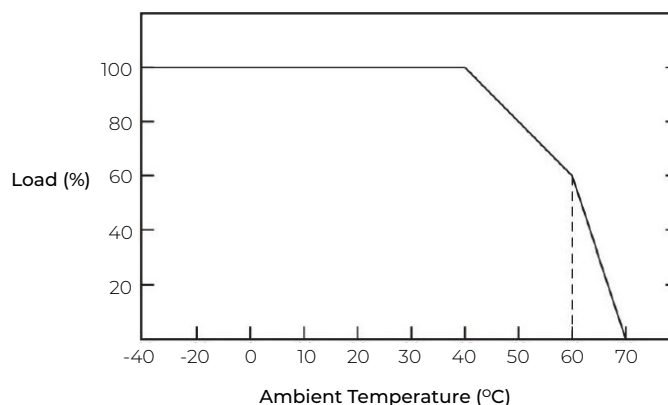
## SPECIFICATIONS

VOLTAGE	24V DC
WATTAGE	96W
CLASS 2	Yes
LOAD REGULATION	≤ 1%
LINE REGULATION	≤ 0.5%
INPUT FREQUENCY	60 Hz
POWER FACTOR	> 0.99
EFFICIENCY	> 91%
DIMMING RANGE	0.3% - 100%
SHORT CIRCUIT	Short Circuit Auto Recovery
HOUSING/ COOLING	Free-air convection
ENVIRONMENT	Dry and Damp Location
OPERATING TEMPERATURE	-40°F (-40°C) ~ 140°F (60°C)
STORAGE TEMPERATURE	-40°F (-40°C) ~ 176°F (80°C)
HUMIDITY	20-95% RH, non condensing
CERTIFICATIONS	RoHS, UL Listed
SAFETY STANDARDS	UL 8750
WITHSTAND VOLTAGE	I/P-O/P : 1.88KV AC
EMC EMISSION	FCC Part 15 B
WARRANTY	5 Years
WEIGHT	0.25 kg (0.55 lbs)

## FEATURES

- 96W
- 24V DC
- Constant voltage
- Short circuit and over current protection
- Built-in active PFC function
- Factory derated
- Only 10% minimum load
- Flicker-free dimming
- Dry/Damp location rated
- Short Circuit Auto Recovery

## DERATING CURVE



INPUT	
INPUT VOLTAGE RANGE	120VAC
INPUT FREQUENCY RANGE	60 Hz
POWER FACTOR (AVG.)	≥ 0.99
AC CURRENT (MAX.)	0.9A
INRUSH CURRENT	50A, 150us@50% Ipeak
LEAKAGE CURRENT	< 0.5mA

OUTPUT	
OUTPUT VOLTAGE	24V DC
OUTPUT CURRENT (MAX.)	4A
OUTPUT WATTAGE (MAX.)	96W
LOAD REGULATION	≤ 1%
LINE REGULATION	≤ 0.5%

**CORE**  
ARCHITECTURAL  
LIGHTING

## DIMENSIONS

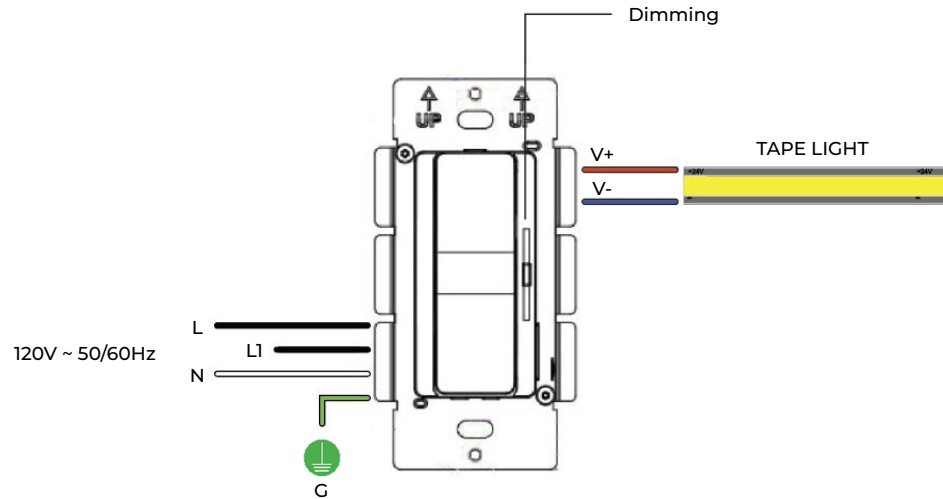


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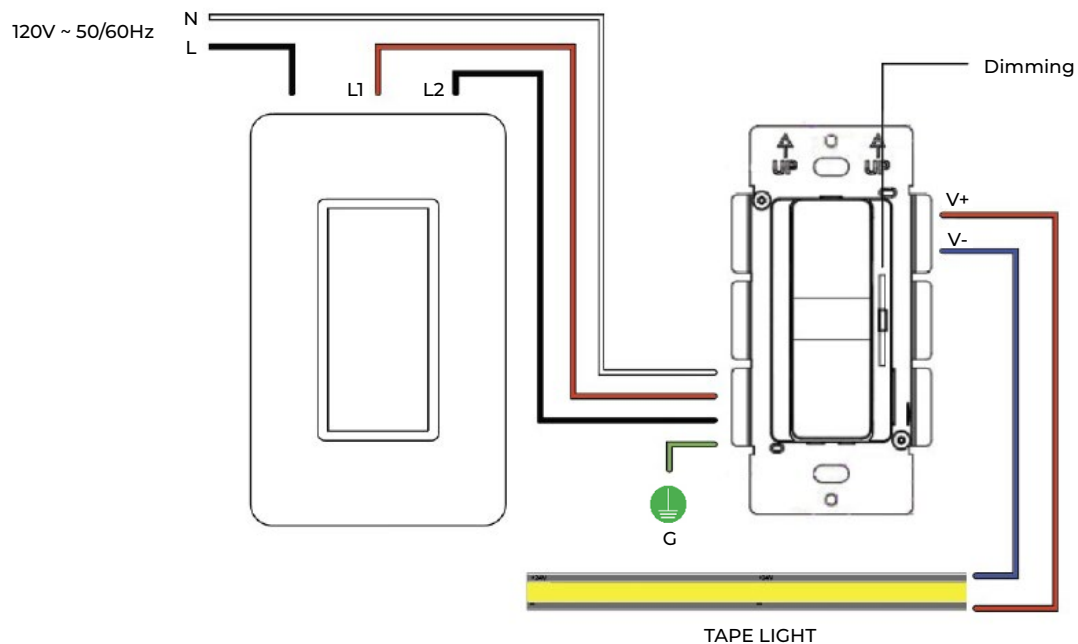
## LED DIMMER + DRIVER

### WIRING

#### STANDARD DIMMING



#### 3-WAY DIMMING



*\* Dimmer's panel is not replaceable*