

LSA-WCT-96W-24V

LED DRIVER + TUNABLE WHITE DIMMER

LSA-WCT-96W-24V is a LED driver and tunable white controller with dimming capability for LED lighting, offering flicker-free 20kHz PWM output and a wide 0.3%-100% dimming range. It features separate color temperature and dimming control. With a high efficiency (up to 92%), built-in active PFC, and multiple protections, it ensures reliable performance. Designed for dry and damp locations, it also operates silently via free air convection.

Project _____

Location _____

Quote/ Ref # _____



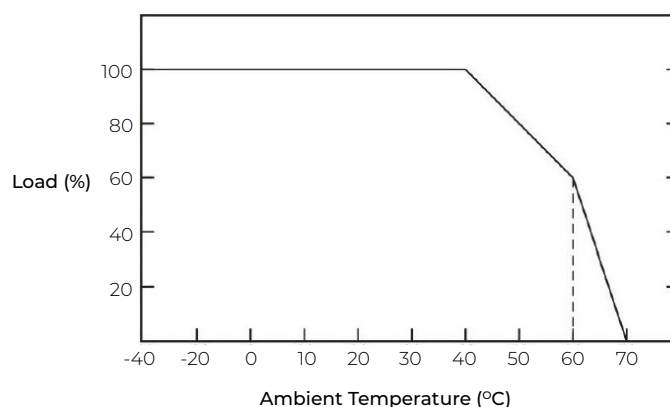
SPECIFICATIONS

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

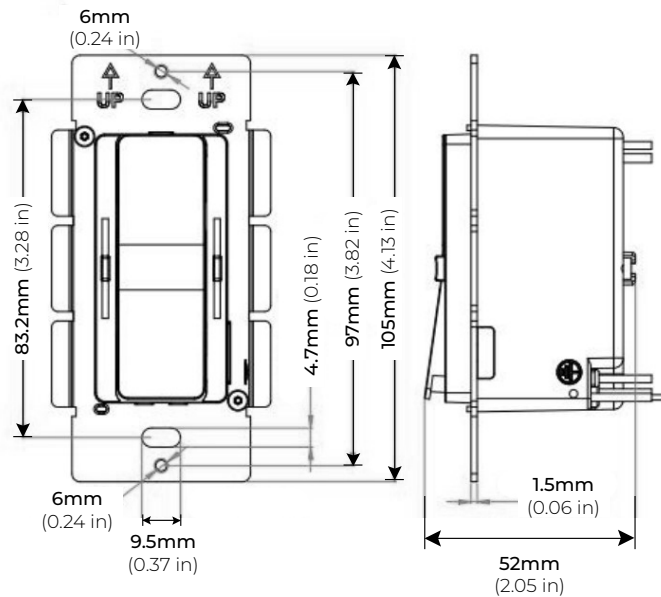


INPUT	
INPUT VOLTAGE RANGE	120VAC
INPUT FREQUENCY RANGE	60 Hz
POWER FACTOR (AVG.)	≥ 0.99
AC CURRENT (MAX.)	0.9A
INRUSH CURRENT	50A, 150us@50% Ipeak
LEAKAGE CURRENT	< 0.5mA
OUTPUT	
OUTPUT VOLTAGE	24V DC
OUTPUT CURRENT (MAX.)	4A
OUTPUT WATTAGE (MAX.)	96W
LOAD REGULATION	≤ 1%
LINE REGULATION	≤ 0.5%

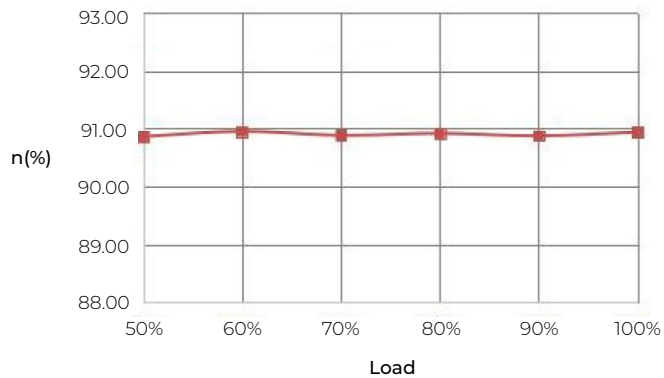
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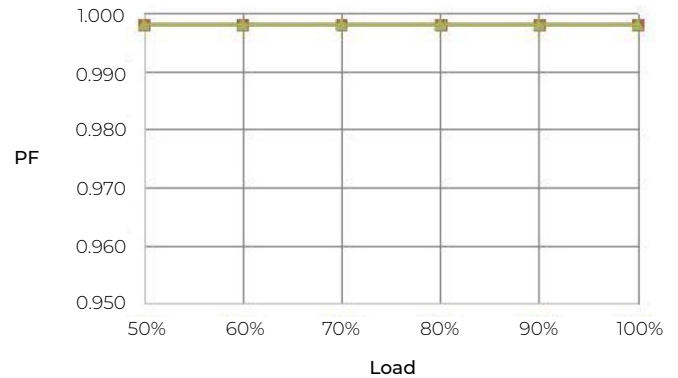
DIMENSIONS



POWER CURVES



EFFICIENCY CURVE



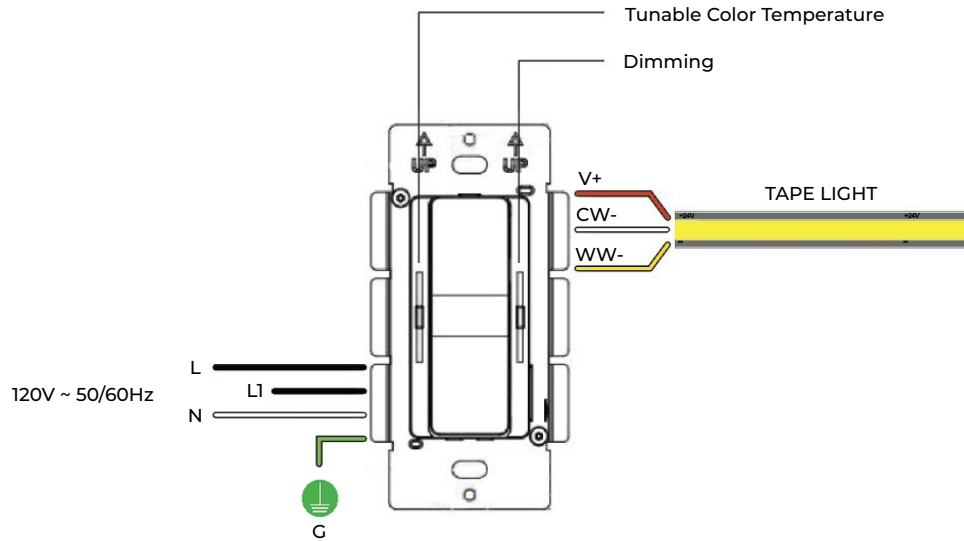
POWER FACTOR CURVE

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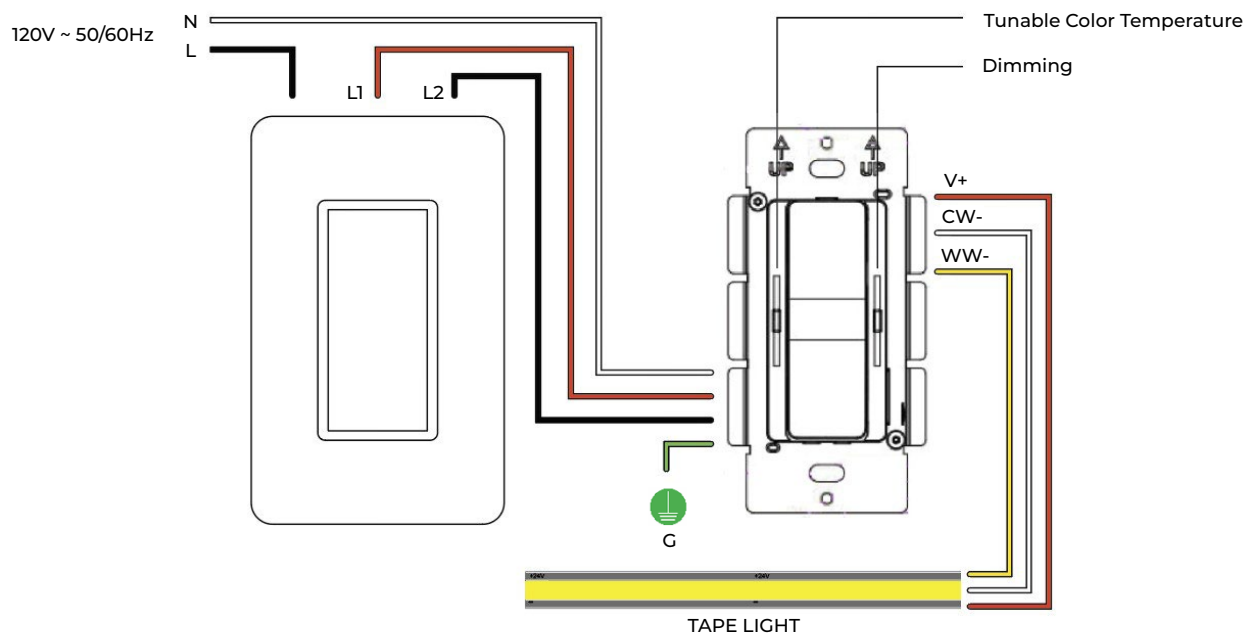
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WIRING

STANDARD DIMMING



3-WAY DIMMING



** Dimmer's panel is not replaceable*