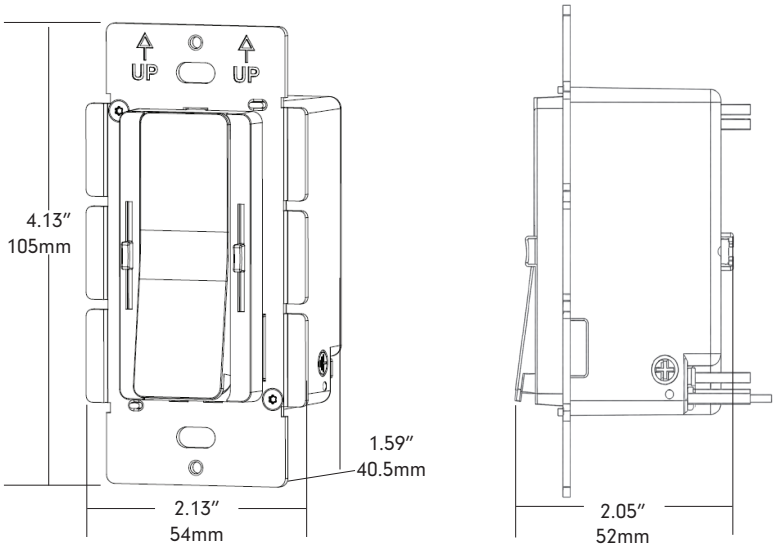
- Integrated Constant Voltage LED Driver + Dimmer
- Space-Saving 2-in-1 In-Wall Design
- 120VAC, 60Hz Input
- Dynamic White Dimming and Color Temperature Control
- Field-Adjustable Output Voltage
- Flicker-Free 16kHz PWM Dimming
- Local On/Off, Brightness, and CCT Control
- Supports Single-Pole and 3-Way Applications
- Built-In Active PFC
- Short-Circuit, Overload, and Overtemperature Protection
- Suitable for Indoor Dry Locations
- 5-Year Warranty

Dimensions



Order Guide

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
Driver + Dimmer 3-Channel 2 in 1 Class 2	TDD-2-XXX-24	INDOOR	120V AC 60Hz	24V DC	1	96W	4A

XXX = **BLK** (black), **WHT** (White), **LTA** (Light Almond)

Note: High-/Low-voltage Separation Barrier, 8ea Twist-On Wire Connectors, 2ea Mounting Screws included

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Specification

CAT NO.	TDD-2-24
DC Voltage	24V
Transformer Classification	Class 2
Rated Current	4A
Rated Power	96W
Dimming Range	100%-0.3%
Voltage Tolerance	±0.5V
Output	
Input Voltage	120V AC
Frequency Range	60Hz
Power Factor (Typ.) @ full load	0.99@120VAC
THD (Typ.) @ full load	≤10%
Efficiency (Typ.) @ full load	91%
AC Current (Max.)	0.9A
Inrush Current (Typ.)	50A, 150us@50% Ipeak
Leakage Current	<0.5mA
Physical	
Net Weight	0.6 lbs
Dimension	4.13" H × 2.13" L × 2.05" W
Protection	
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Over loading	≥110% Hiccup mode, recovers automatically after fault condition is removed
Over heating	When the shell surface temperature reaches 100 ±10, shut down o/p voltage and automatically recover after cooling
Environment	
Working Temp.	-40˚ to 60˚C (-40˚ to 140˚F)
Working Humidity	20-95% RH, non-condensing
Storage Temp	-40˚ to 80˚C (-40˚ to 176˚F)
Storage Humidity	10-95% RH, non-condensing
Temp. Coefficient	±0.03%/˚C (0-50˚C)
Vibration	10~500Hz, 2G 12min./1 cycle, period for 72 min. each along X,Y,Z axes
Safety Compliance & EMC	
Certification	UL Listed, FCC, RoHS
Safety Standards	UL8750 CAN/CSA-C22.2 No.250.13 (US)
Withstand Voltage	I/P-O/P:1.88KVAC I/P-F/G:1.88KVAC O/P-F/G:0.5KVAC (US)
Isolation Resistance	I/P-O/P:100MΩ / 500VDC / 25degree/ 70% RH
EMC Immunity	FCC/ICES do not request this test (US)
EMC Emission	FCC Part15 Subpart B ANSI C63.4:2014 (US)
Warranty	5 Years

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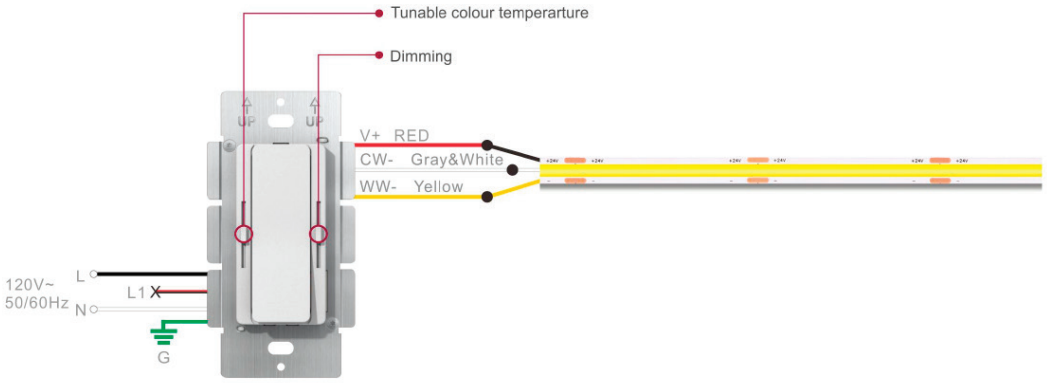
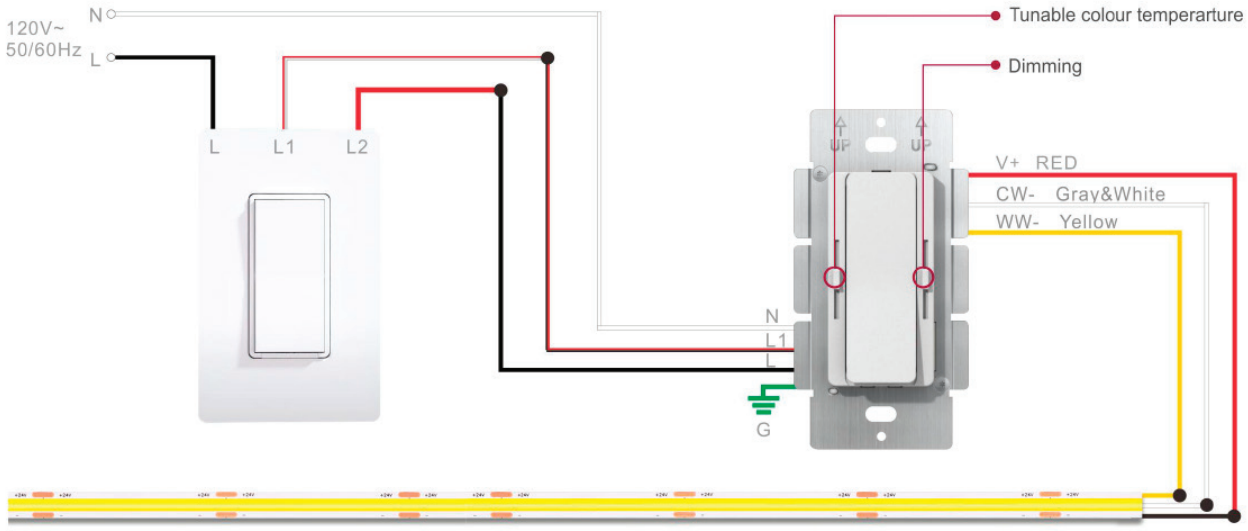
Wiring Diagram

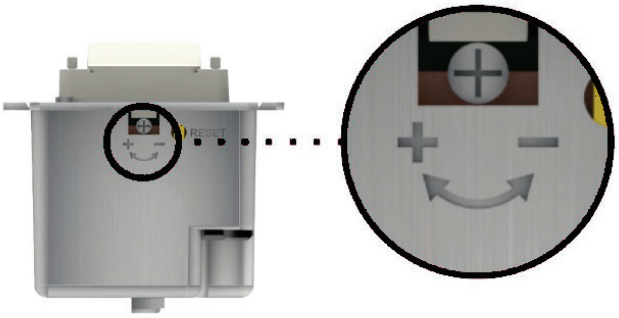
Standard Dimming System



3-Way Dimming System



Voltage Adjustment



Clockwise rotation of the high voltage
24V output volt.: 24-26V

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