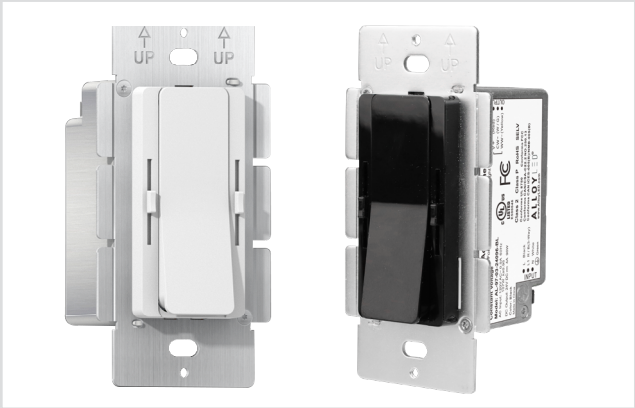
AdaptDrive VariTune Tunable White - 24V DC - 96W

AL-97-03-24096, AL-97-03-24096-BL



The AdaptDrive VariTune is an all-in-one tunable white LED driver and dimmer that simplifies installation by fitting directly into a standard recessed electrical box—eliminating the need for a separate driver location.

This Class 2 compliant driver is the first of its kind to provide this level of power in such a compact footprint—making it ideal for high-output applications where space is limited.

- Constant Voltage Output in 24VDC
- UL Listed, Class 2 Compliant
- Installs directly into standard wall boxes
- Available in Glossy White and Glossy Black finishes
- First in its class for power density in a recessed enclosure

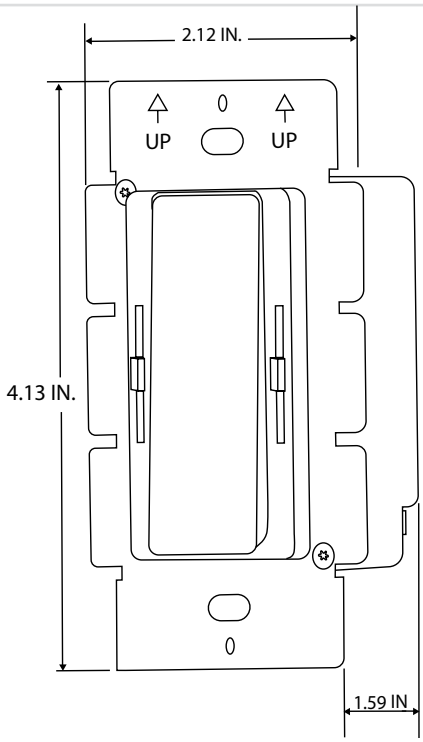
QUICK SPECIFICATIONS

Input	120V	120V AC
Features	100% Max. Load; 0% Min. Load; CLASS 2	100% maximum load 0% minimum load Class 2
Environment	DRY LOCATION	Dry/damp environment
Certifications	RoHS; c UL us LISTED	UL/cUL/Class P/Type HL/SELV/CE/ROHS/REACH
Warranty	WARRANTY 6 YEAR	6 year limited

ACCESSORIES (SOLD SEPARATELY)

Item Number	Description
AL-97-02-9901-BLTP	Glossy Black Trim Plate
AL-97-02-9901-WHTP	Glossy White Trim Plate

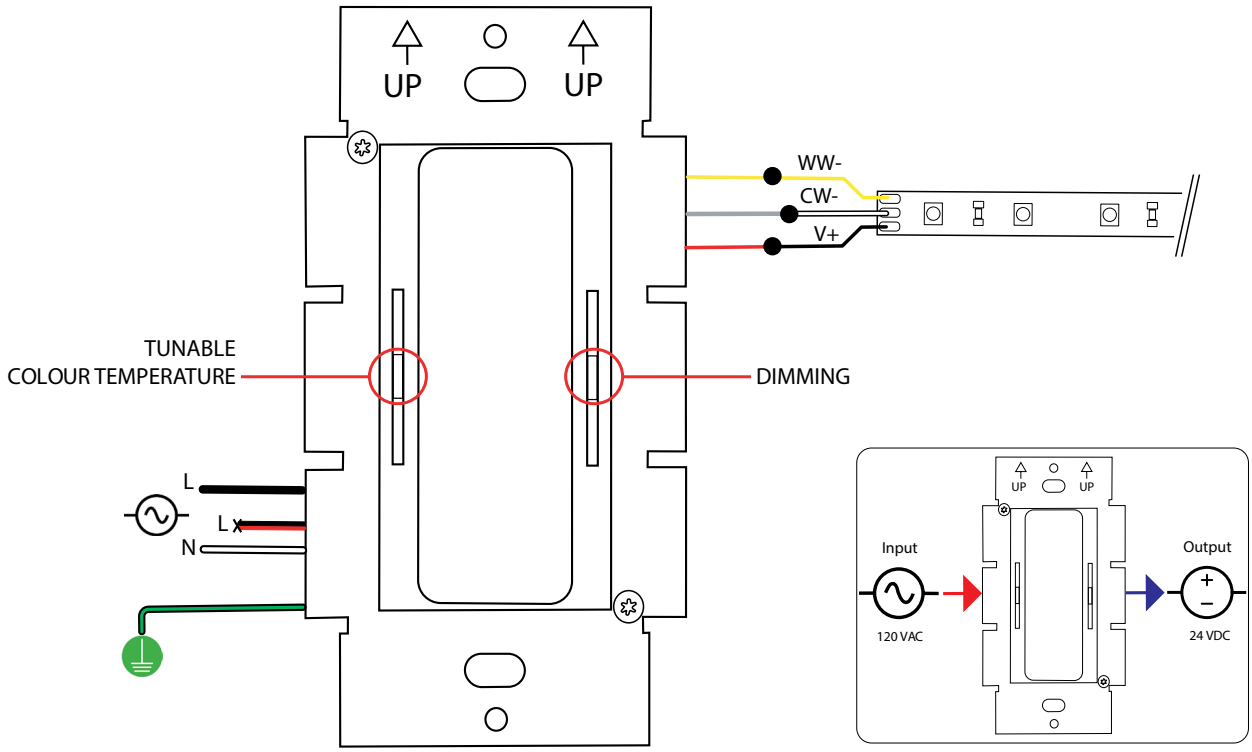
DIMENSIONS



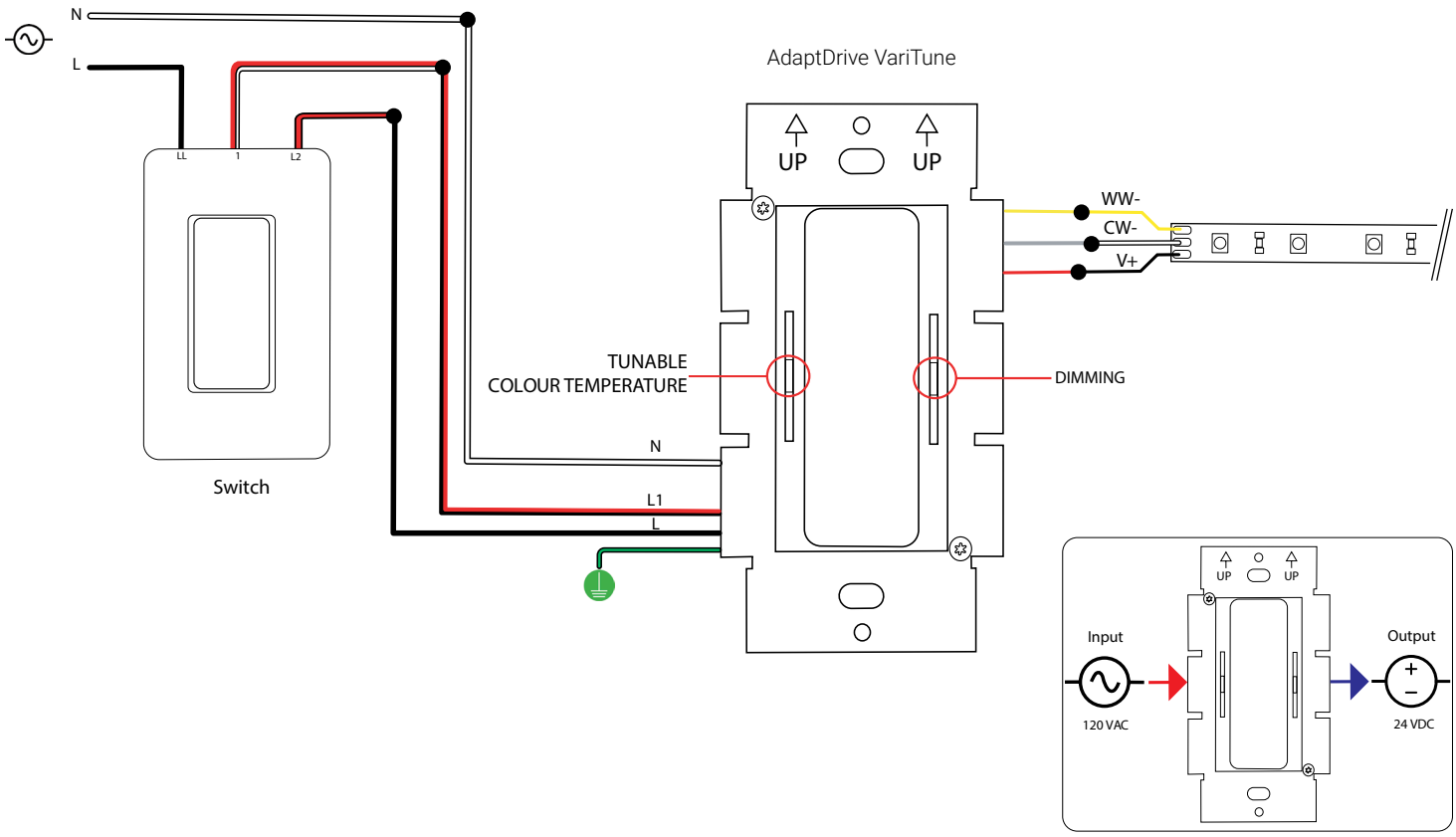
TECHNICAL INFORMATION

Item Number		AL-97-03-24096	AL-97-03-24096-BL
Output	DC Voltage	24V DC	
	Rated Current	4 A	
	Rated Power	96W	
	Minimum Load	0%	
Input	Voltage Range	120V AC	
	Input Current	0.9 A	
	Frequency Range	60 Hz	
	Power Factor (Avg.)	>99%	
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
	Over Voltage	≥110% Constant current mode, recovers automatically after fault condition is removed	
Environment	Working Temp.	-40~+60°C / -40~+140°F	
	Humidity	20 - 95%RH non-condensing	
Safety & EMC	Safety Standards	UL8750 CAN/CSA-C22.2 No.250.13 (US)	
	EMC Emission	FCC Part15 Subpart B ANSI C63.4:2014 (US)	
Other	Warranty	6 Year Limited	
	Size	4.13 x 2.12 x 1.59 in.	
	Finish	Glossy White	Glossy Black

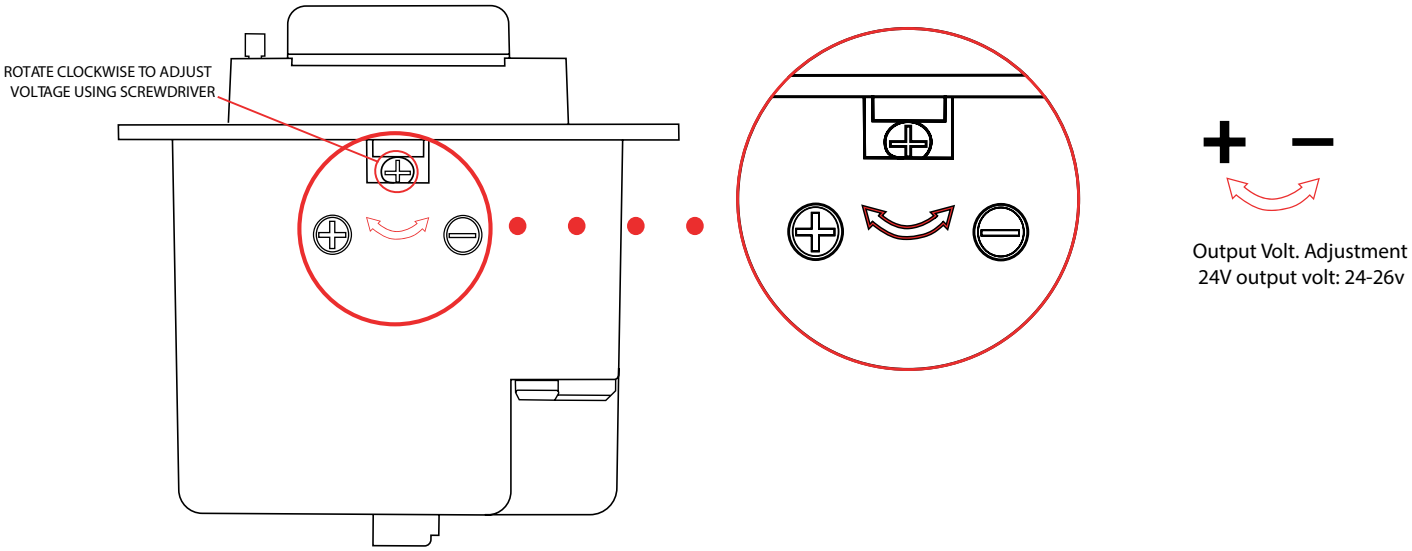
DIMMING WIRING DIAGRAM



3-WAY DIMMING WIRING DIAGRAM



ADJUST VOLTAGE



TROUBLESHOOTING

Q: Why are the lights connected to the driver blinking roughly once a second?
A: The driver may be overloaded. Check to make sure the maximum wattage is not being exceeded. There could also be a possibility of incompatible voltage. Confirm that the driver and tape light voltage match.

Q: How do I determine the compatibility?
A: Check the voltage, wattage, load capacity of both the tape light and driver.

Q: Is it possible to have multiple runs of tape light that are daisy-chained together connect to a driver with 1 lead wire?
A: Yes, but only if the total length of consecutive runs do not exceed the tape light's maximum run and also does not exceed the driver's maximum wattage.