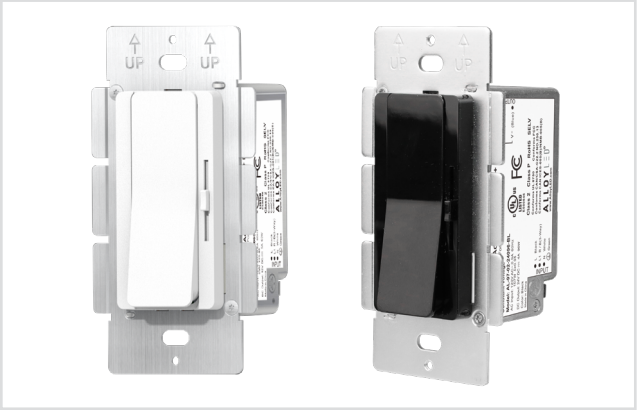
ALLOY LED® Specifications

# AdaptDrive - 24V DC - 96W

AL-97-02-24096, AL-97-02-24096-BL



The AdaptDrive is an all-in-one LED driver and dimmer that simplifies installation by fitting directly into a standard recessed electrical box—eliminating the need for a separate driver location. UL Listed and Class 2 Compliant AdaptDrive is available in a wide range of output options in both 12VDC and 24VDC configurations to suit a variety of low-voltage lighting applications.

This is the first driver 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

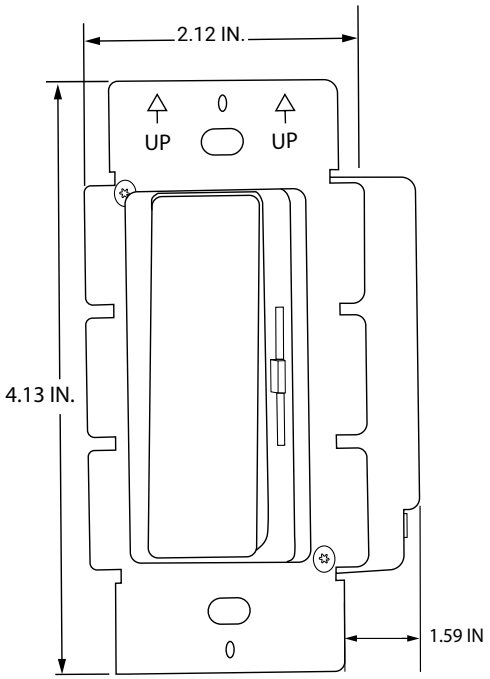
## QUICK SPECIFICATIONS

| | | |
|---|---|---|
| **Input** | 120V | 120V AC |
| **Features** | 100% Max. Load, 0% Min. Load, CLASS 2 | 100% maximum load<br>0% minimum load<br>Class 2 |
| **Environment** | DRY LOCATION | Dry/damp environment |
| **Certifications** | RoHS, c UL us LISTED | UL/cUL/Class 2/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 |

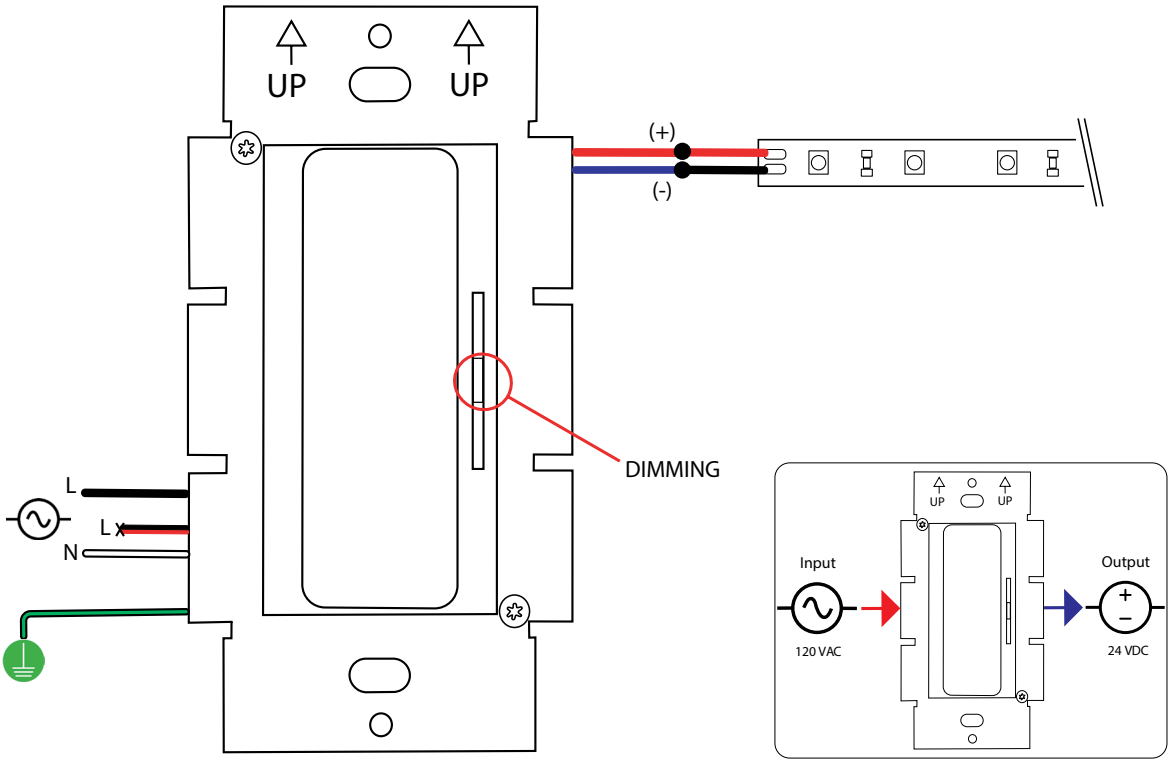
## DIMENSIONS



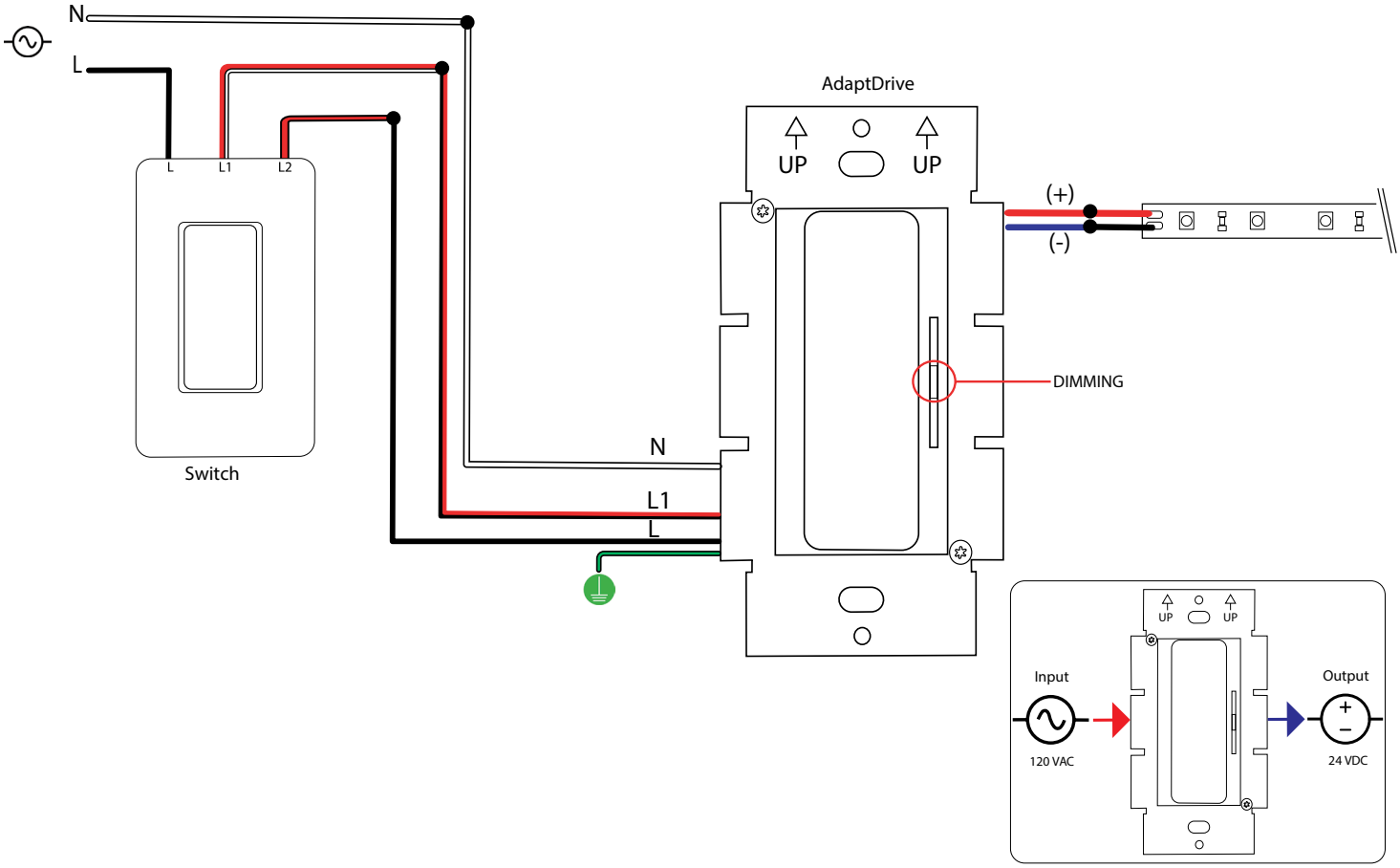

## TECHNICAL INFORMATION

| Item Number | | AL-97-02-24096 | AL-97-02-24096-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 |

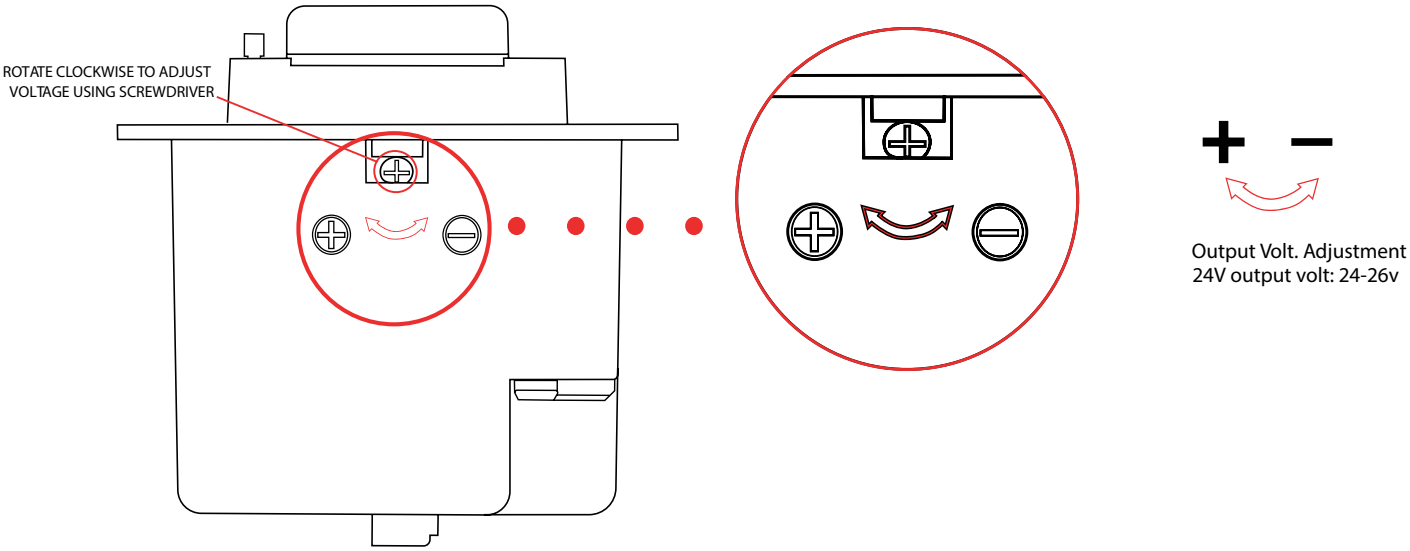
## DIMMING WIRING DIAGRAM




## 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.