

PowerFactor™ Multi-Tap Dimmable LED Driver with Junction Box












AL-98-10-24288-MT



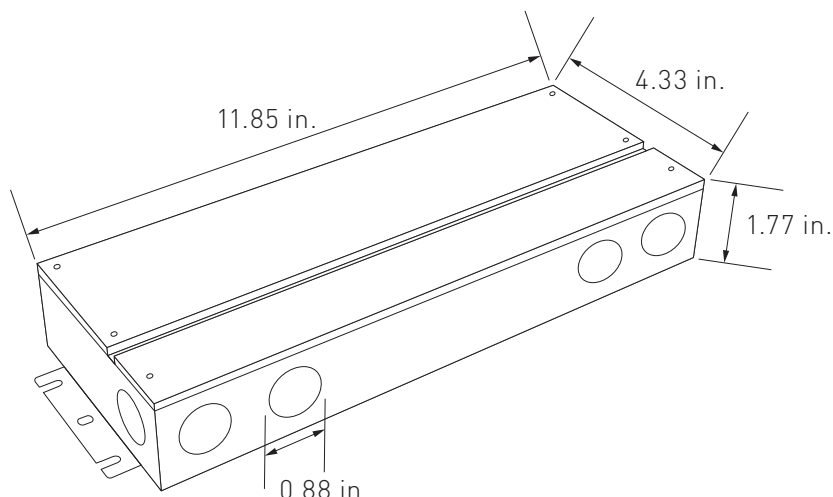
PowerFactor Dimmable Drivers provide smooth, stable, and efficient dimming capability for LED lighting. They are compatible with many models of Triac, ELV, MLV, forward and reverse phase dimmers, and on/off switches. All PowerFactor multi-tap models, and wattages up to 24V/96W, are Class 2 compliant, making them safe and inspection-ready.

- High power factor for high efficiency
- Dry/damp/wet environment
- Flicker-free 100~0% dimming

QUICK SPECIFICATIONS

| | | |
|----------------|---|--|
| Input |  | 120~277V AC |
| Features |     | 99% Power Factor 100% maximum load 10% minimum load Class 2 |
| Environment |   | Dry/damp/wet environment |
| Certifications |    | UL Listed NEMA 4X RoHS |
| Warranty |  | 6 year limited |

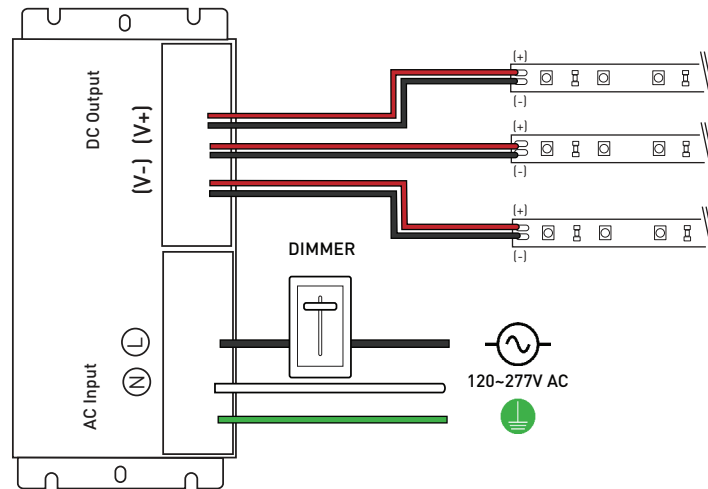
DIMENSIONS



TECHNICAL INFORMATION

| Item Number | | AL-98-10-24288-MT |
|----------------|-------------------------------|---|
| Output | DC Voltage | 24V DC |
| | Voltage Regulation | ±0.5V |
| | Number of Channels | 3 |
| | Current per Channel | 4A (12A total) |
| | Wattage per Channel | 96W (288W total) |
| | Load Regulation | ± 1% |
| Input | Voltage Range | 120~277V AC |
| | Frequency Range | 47~63HZ |
| | Power Factor (Avg.) | ≥0.99 (110V AC) ; ≥0.95 (277V AC) |
| | Full Load Efficiency (Avg.) | 87% (110V AC) ; 89% (277V AC) |
| | AC Current (Maximum) | 3.4A (100V AC) |
| | Inrush Current | 35A (twidth=960us) @120VAC ; 43A (twidth=1ms) @277VAC |
| | Leakage Current | <0.5mA |
| Protection | Short Circuit | Short circuit protection: re-powers on after fault condition is removed |
| | Overloading | ≤120% shut down o/p voltage, re-power on to recover |
| Environment | Working Temperature | -40~+60°C / -40~+140°F |
| | Working Humidity | 20~90% RH, non-condensing |
| | Storage Temperature, Humidity | -40~+80°C, -40~176°F / 10~95% RH |
| Safety and EMC | Safety Standards | UL 8750, UL 1310 |
| | Withstand Voltage | I/P-O/P: 1.88KV AC |
| | Isolation Resistance | I/P-O/P: 100MΩ/500V DC/25°C, 77°F/70% RH |
| | EMC Emission | FCC 47 CFR Part 15, Subpart B |
| Other | Warranty | 6 year limited |
| | Dimensions (L x W x H) | 11.85 x 4.33 x 1.77 in. |
| | Knockouts (Number - dia.) | 8 knockouts - 7/8 in. |

WIRING DIAGRAMS



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.