

24 Volt 100 Watt Class 2 LED Driver

- Universal input voltage 120 – 277 Vac
- Damp and Dry Location Rated
- Class 2 Output



Performance

| | |
|-------------------|----------------------|
| Input Voltage | 120 ~ 277 Vac |
| Input Current Max | 0.89 /120V 0.39/277V |
| Input Power Max | 112W |
| Input Frequency | 50 - 60 Hz |
| Power Factor | > 0.90 |
| THD max | < 10 % |
| Output Voltage | 24V |
| Output Current | 4.0A |
| Output Power | 96W |

Physical

| | |
|------------------|--------------------|
| Length | 9.50 in (241.3 mm) |
| Width | 1.70 in (43.2 mm) |
| Height | 1.18 in (30.0 mm) |
| Mounting Length | 8.89 in (225.8 mm) |
| Weight (lbs) | 1.7 |
| Lead Lengths | |
| Blk, Wht | 8 in |
| Red(+), Black(-) | 8 in |

Lead-wires are 18 AWG 105°C /600V solid copper.

Environmental

| | |
|-----------------------|--|
| EMI and RFI | Meets FCC part 15 (Class A) Non-Consumer Limits |
| Operating Temperature | -40°C to 50°C (-40°F to 122°F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| tc | 85°C (185°F) max |
| Protection Rating | UL Dry & Damp |

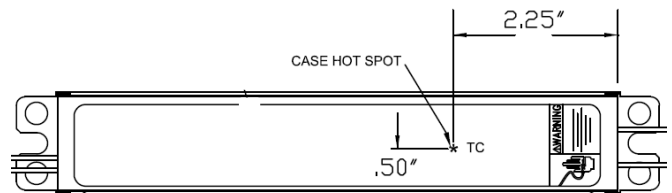
Protection

Over voltage, Overload and short circuit.

Safety:

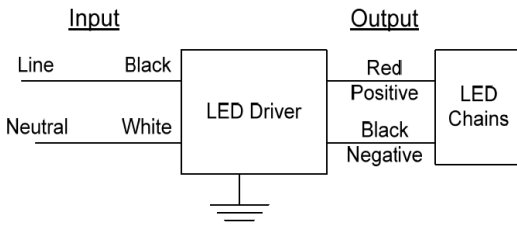
UL 8750 & CSA 250.13

Tc Location



TOP VIEW

Wiring Diagram:



Application and operation performance specification information subject to change without notification.

(Recognized Component Driver – Referred to when used in a Light Fixture)

Conditions of Acceptability –

1. The drivers shall be installed in compliance with the applicable requirements of the end-product standard for, mounting, spacing, casualty and segregation
2. The maximum available output parameters were within the maximum allowable limits for Class 2, inherently limited as specified in the UL 1310 standard for Class 2 Power Units, and in accordance with the Canadian safety standard CSA C22.2 No. 223.
3. The Driver is suitable for use in “DRY” or “DAMP” locations.
4. The driver was evaluated for use in a 50.7°C elevated ambient and the maximum case temperature at (Tc) location – as identified on the label in ILL. 1 - should not exceed 85°C when the driver is installed in the end-use application.
5. The leakage current test was performed in accordance with the UL 1310 standard, and the maximum leakage current was measured at the voltages indicated. Consideration shall be given to the leakage current values in the end-use application.

| Models | 120V | 240V |
|----------------------------|---------|---------|
| D24V100UNV-A, L24V100UNV-A | 0.22 mA | 0.50 mA |

6. The primary (Black-White) and the output (Red-Black) connection wires of the driver are R/C (AVLV2/8), 18 AWG, 90°C. The suitability of the leads shall be determined in the end-use application.
7. The need to perform the Strain Relief and/or Pushback Relief Tests on the lead wires should be determined in the end-use application.
8. The case must be grounded in the end use.
9. All parts of these models are fully submerged in potting compound and are suitable for use in hazardous locations and are marked “Type HL.”

AND:

(Recognized Component Sign Accessory – Referred to when used in an Electric Sign)

Condition of Acceptability – When installed in the end-use equipment, consideration shall be given to the following:

1. The power supply shall be installed in compliance with the applicable requirements of the end-product standard for enclosure, mounting, spacing, casualty and segregation.
2. The maximum available output parameters were within the maximum allowable limits for Class 2, inherently limited as specified in the UL 1310, Standard for Class 2 Power Units and also in accordance with the Canadian Safety Standard CSA C22.2 No. 223.
3. The power supply was submitted and tested in an ambient of 50.7°C. When evaluated in the end use the Tc location, as indicated in ILL. 1A, should not exceed 85°C.
4. Power Supply is intended for use in indoor Dry and Damp location only.
5. In the end product, power supply spacing to other heat producing components shall be minimum 2 inches spacing to sidewalls, and minimum 2 inches spacing to top of housing. Adjacent power supplies shall be spaced at least 1 in. end to end and 4 in. in any other direction. If required spacings are not provided, a temperature test is required.
6. The input and output leads were not subjected to the strain relief test.
7. The primary (Black-White) and the output (Red-Black) connection wires of the power supply are R/C (AVLV2), (AVLV8)/CN, 18 AWG, 90°C. The suitability of the leads shall be determined in the end-use application.
8. The metal case must be grounded in the end use.
9. All parts of these models are fully submerged in potting compound and are suitable for use in hazardous locations and are marked “Type HL.”

FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warranty:

Universal Lighting Technologies warrants to the purchaser that each power supply will be free from defects in material or workmanship for a period of 5 years from the date of manufacture when properly installed per instructions and under normal operating conditions of use. Call 1-800-225-5278 for technical assistance.

Application and operation performance specification information subject to change without notification.