



D24V100UNV-Q

24 Volt 100 Watt Class 2 LED Driver

- Universal input voltage 120 – 277 Vac
- Dry, Damp, or Wet Location Rated
- Class 2 Output



Performance	
Input Voltage	120 ~ 277 Vac
Input Current Max	0.89A /120V 0.39A/277V
Input Power Max	112W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.90
THD max	< 10 %
Output Voltage	24 ± 5 %
Output Current	4.1 (A) max
Output Power	100 W max

Environmental	
EMI and RFI	Meets FCC part 15 (Class A) Non-Consumer Limits
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
tc	69°C (156°F) max
Location Rating	UL Dry, Damp, or Wet
IP Rating	IP 67

Physical	
Length	10.7 in
Width	2.1 in
Height	1.5 in
Mounting Length	9.9 in w/ 0.9 in offset
Weight	1.7 lbs.
Lead Lengths	
Blk, Wht, Grn	24 in.
Red, Blk (PLTC Jacketed)	61 in.

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

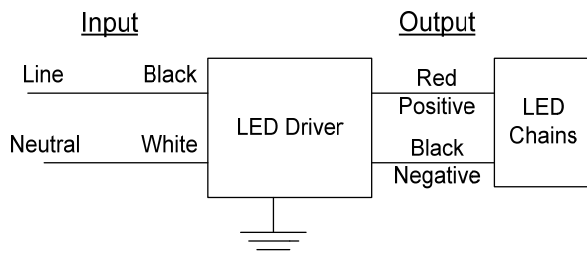
Protection

Over voltage, Overload and short circuit.

Safety:

UL 1012 & CSA107

Wiring Diagram:





D24V100UNV-Q

E339166, Vol. 1, Sec. 10

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 UL1310 standard for Class 2 Power Units and also in accordance with the Canadian safety standard CSA C22.2 No. 223 for use in "WET" Location.
- 3.The driver was evaluated for use in a 40°C elevated ambient and the maximum case temperature at (Tc) location – as identified on the label in ILL. 1 - should not exceed 67°C when the driver is installed in the end-use application.
- 4.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.

Model	120V	240V
D24V100UNV-Q	0.22 mA	0.50 mA

- 5.The primary (Black/White/GREEN) and the output (Red-Black) connection wires of the driver are R/C (AVLV2/AVLV8), 18 AWG, 90 C, and the suitability shall be determined in the end-use application.
- 6.The Output Cable is Listed, Power-Limited Circuit Cable (QPTZ), type PLTC, marked "sunlight resistant" or "sun res", "WET" or "WET LOCATION", 3 conductor, -40 °C.
7. The thickness of the Extruded aluminum of the housing of the drivers is 0.91 mm. This is in compliance with the minimum required thickness that is specified in Table 6.1 of UL8750 standard for nonferrous sheet metal.

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.