



# D12V60UNV-Q

## 12 Volt 60 Watt Class 2 LED Driver

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



### Performance

Input Voltage	120 ~ 277 Vac
Input Current Max	0.58A /120V 0.26A/277V
Input Power Max	69W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.90
THD max	< 10 %
Output Voltage	12 ± 5 %
Output Current	5.0 (A) max
Output Power	60 W max

### 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	12.5 in. (317mm)
Red, Blk (PLTC Jacketed)	61 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 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

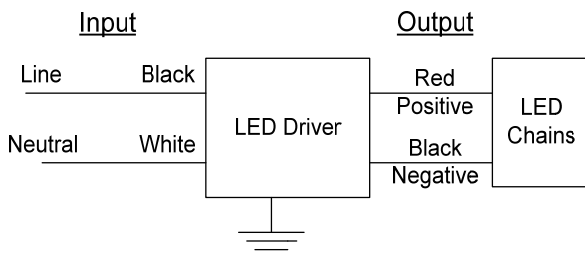
### Protection

Over voltage, Overload and short circuit.

### Safety:

UL 1012 & CSA107

### Wiring Diagram:





# D12V60UNV-Q

---

E339166, Vol. 1 Sec. 8

D12V60UNV-Q

## Conditions of Acceptability -

The drivers shall be installed in compliance with the applicable requirements of the end-product standard for, mounting, spacing, casualty and segregation

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.

The driver was evaluated for use in a **57.7°C** elevated ambient and the maximum case temperature at (Tc) location – as identified on the marking label should not exceed **80°C** when the driver is installed in the end-use application.

The leakage current test was performed in accordance with the UL1310 standard while the driver was connected to a 120 V and also while connected to a 240 V source of supply and the maximum measured leakage current was 0.25 mA.

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.

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.

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.

**EVERLINE™**

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