

Installation Instructions for L12V60UNV-A and D12V60UNV-A



Class 2 Power Supply for 12 Volt LED Modules
For Damp and Dry locations

Specifications

Input Voltage	120-277V AC 50-60Hz
Input Current	0.58 A/120V 0.26A/277V
Output Voltage	12V DC
Output Current	5.0 Amps

Components Needed

- Wire stripper
- Manual screwdriver, rivet gun or powered screwdriver and bit
- UL recognized 18 AWG supply wire
- Wire nuts that accept 18-20 AWG wire

Step 1

Layout the area for the power supply. Make sure the area, enclosure and power supply meet the wet, damp or dry requirements needed. Fasten the power supply down with at least one screw or rivet on each end.

Step 2

Have a licensed electrician make the connections to the primary side of the power supply. White to neutral and black to line using wire nuts.

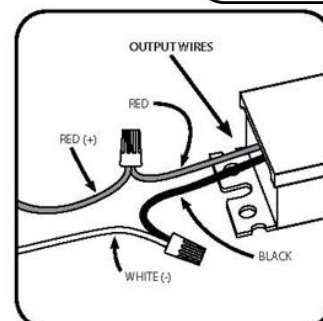
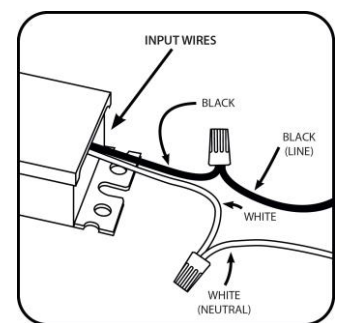
Step 3

Connections on the power supply output side are red wire from the power supply to the positive red wire on the LED chain supply wire and black wire from the power supply to the negative white wire on the LED chain supply wire.

⚠ WARNING

To avoid electric shock or fire: Disconnect power at service panel prior to installation, troubleshooting or maintenance. Always follow NEC and local wiring requirements. Properly ground power supply and fixture. Do not connect output of power supplies in series or parallel.

All LED module wire connections are white to white and red to red. Power supply to LED module connections are red to red and black to white. Operating temperature -30°C to 70°C



Trouble Shooting

No light output	Make sure power at breaker is on. Make sure connections are correct between line and power supply, and between power supply and LED chain. Check output of the power supply using a volt meter. The output should be 12V DC. Have a licensed electrician check the power at the input of the power supply.
Sections of LED strip have no light	Check connections and polarity between power supply and LED strip, connectors and polarity between LED strips
One LED Module has no light	If all other LED modules are working except one, replace this one module. The modules are in parallel and will not cause other modules to fail if one fails.
Not enough light	Make sure the number of modules used does not exceed the recommendation (chart 1). Check the recommended rows of LED modules. Fasten any loose modules.
Shadows	Tape any wires down that are interfering with the LED modules. Fasten any loose modules.

Chart 1

Maximum Number of LED Modules

Power Supply	Product	Description	Feet / Power Supply	Modules / Power Supply
L12V60UNV-A	White	LSA-25WH	60	120
D12V60UNV-A	Warm White	LSA-25WW	60	120

Chart 2

Mounting Distance from Power Supply to LED Chain

AWG	Feet	Meters
18	30	9.1
16	50	15.2
14	80	24.3
12	120	36.5



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