

Universal Power Supply - Installation Instructions

Models PS-UNI-96-24 & PS-UNI-3X96-24

Please read all instructions prior to installation and keep for future reference!

This power supply is to be installed in accordance with Article 450 of the National Electrical Code. The power supply must be installed in a well ventilated area and free from explosive gasses and vapors. Proper operation requires the free flow of air. As this power supply is hardwired, it should only be installed by a qualified electrician. UL class 2 recognized



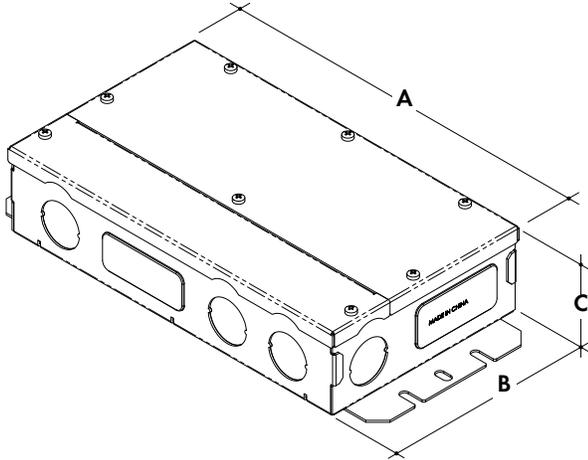
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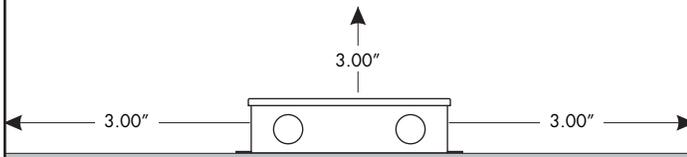
PS-UNI-96-24 Install



MODEL	PS-UNI-96-24
MAX Load	96 watts
A. Length	8.66"
B. Width	3.73"
C. Depth	1.61"
Net Weight	2.8 lbs

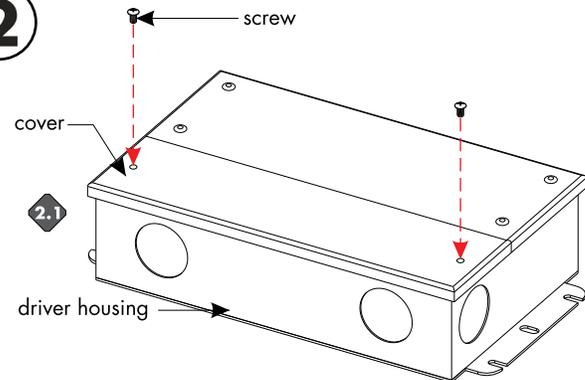
1

Before installing, check the label and ensure the power supply has the proper input voltage, output voltage, and wattage for the job. Check the wire markings to ensure they match the wiring diagram below. Refer to table above for the maximum loads!



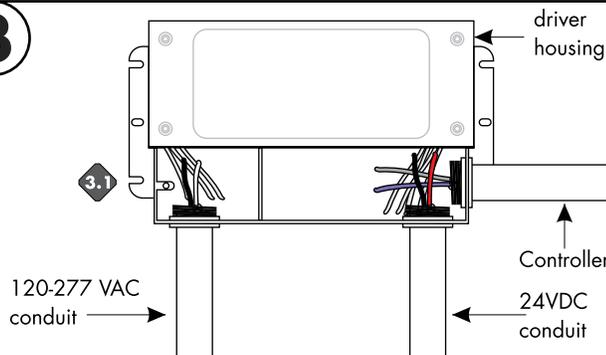
- 1.1 Power supply can be mounted vertically or horizontally. With a minimum of 2" clearance around power supply to provide proper air circulation.

2



- 2.1 Remove the two Phillips screws from the top of the driver housing and pull the cover off to expose the driver wires.

3



- 3.1 Insert the 120-277 VAC power into the driver housing from the electrical panel. Followed by bringing the 24V DC low voltage wires from the LEDs into the driver housing. In addition bring the controller wire if applicable. Refer to diagram on page 2 to make all the proper wiring connections.

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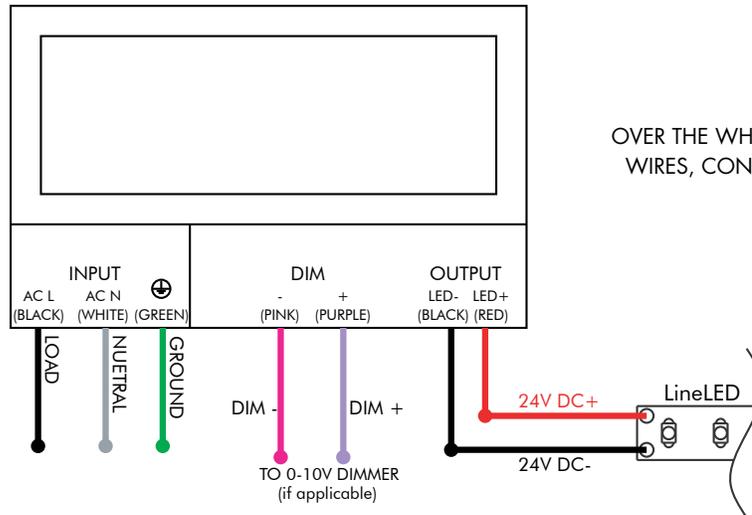


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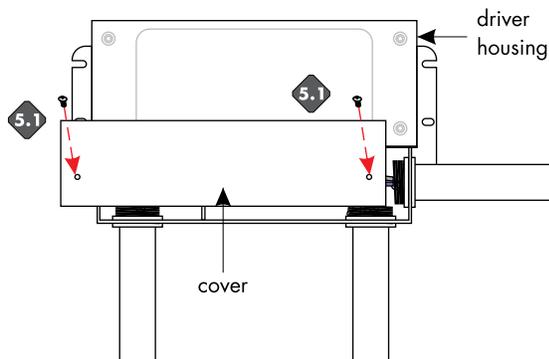
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4

WIRING DIAGRAM



5



5.1 Insert the wire nut connections in the driver housing and close housing cover. Secure by tightening the two screws.

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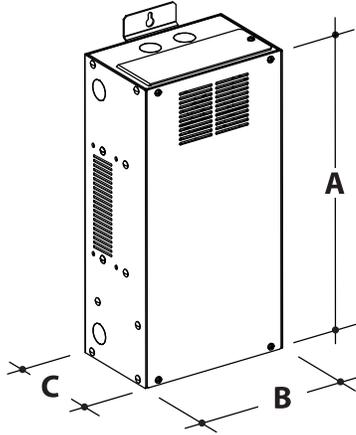
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PS-UNI-3X96-24 Install



MODEL	PS-UNI-3X96-24
MAX Load	3x96 watts
A. Length	11.85"
B. Width	4.32"
C. Depth	1.81"
Net Weight	5.2 lbs

1

It is recommended that the power supply be mounted vertically & mount a minimum of 12" above ground level or deck, 24" below ceiling, and allow 4" of clearance around power supply (excluding the mounting side) to provide for proper air circulation. Use the provided hardware to mount properly to wall.

24" MIN

screw & anchor

power supply

12" MIN

- 1.1** Before installing, check the label and ensure the power supply has the proper input voltage, output voltage, and wattage for the job. Check the wire markings to ensure they match the wiring diagram below. Refer to table above for the maximum loads supported by each power supply.

2

2.1 Remove the wiring compartment cover and knockouts on both ends of the power supply to connect.

power supply

24VDC wiring compartment cover

screw

120-277VAC wiring compartment cover

3

120-277VAC wiring compartment

- 3.1** Connect the white (neutral) and black (hot) power supply wires to the white and black power wires (120 - 277 VAC). Followed by connecting the ground wires in accordance with local electrical codes.

4

4.1 Reference wiring diagrams on page 2. Feed wire into the terminal block hole by inserting a small flat-head screwdriver into the terminal block slot and push down, thus opening the terminal block hole. Then, insert the wire lead and release the screwdriver to secure wire in place.

terminal block

screw driver

terminal block intended wire size
solid or stranded : 28 - 12 AWG
strip length : 0.31 - 0.35

use Luminii voltage drop calculator (<http://www.luminii.com/voltage-drop-calculator>) to calculate wire gage for low-voltage connection

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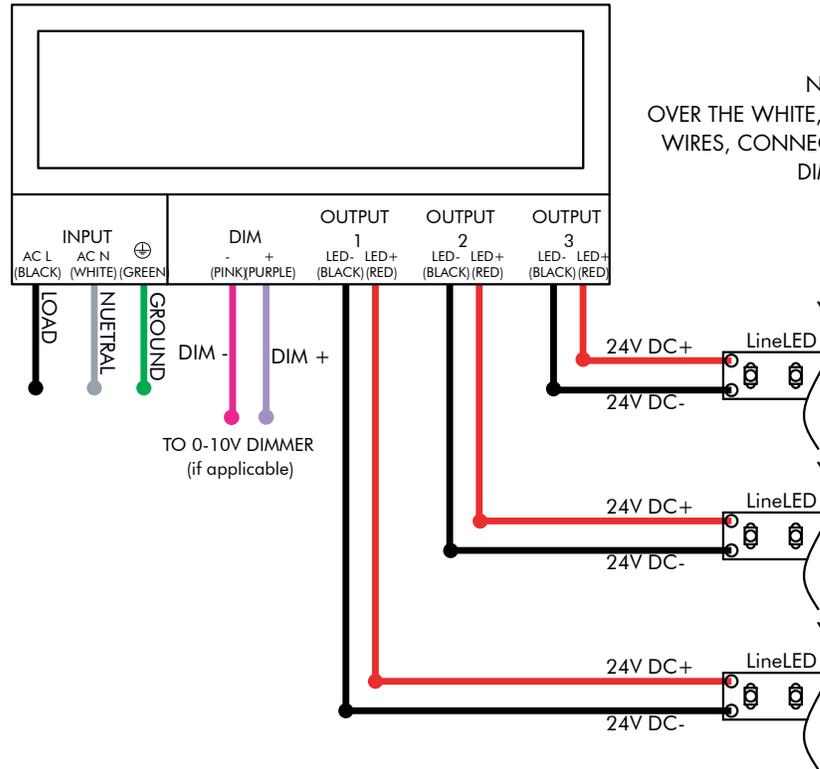
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5

WIRING DIAGRAM



NOTE:
OVER THE WHITE, GREEN, AND BLACK
WIRES, CONNECT TO ELV AND MLV
DIMMER

6

5.1 Secure compartment cover back onto the power supply.

