



## SAFETY INFORMATION

- Read complete instruction.
- **WARNING:** These products may represent a potential shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, local electrical codes and the National Electric Code (NEC).
- LLIA's dimmable magnetic power supplies are UL listed and carry a NEMA 3 rating. Refer to specification sheet for IP rating.
- If dimming is desired, use with a MLV (magnetic low voltage) dimmer only.
- Do not use if there is any damage to the unit or to the wiring/insulation. Inspect periodically.
- Ensure wires are in compliance with local electrical codes.
- The driver must be mounted in an area with at least 15 inches of free flow air space for ventilation.
- Do not install driver in hot environments or near heat-radiating objects.
- Ambient temperature should not exceed 110°F or 50°C.
- Recommended load is 80% for optimal performance and lifespan.

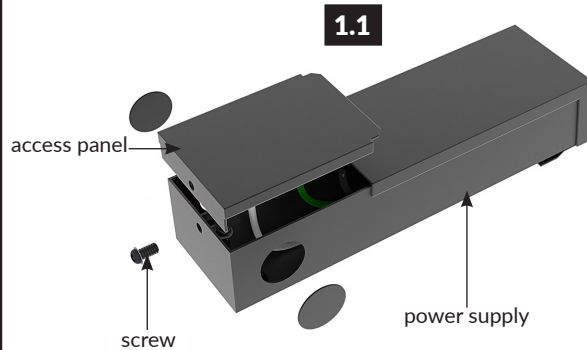
## Install the Power Supply

**1**

**INSTALLATION NOTES:**

- Review all parts and quantities to confirm if all the necessary parts are available.
- Never install the power supply next to or above a heat radiated object.

1.1 Remove the screw on the bottom of the power supply followed by removing the access panel.

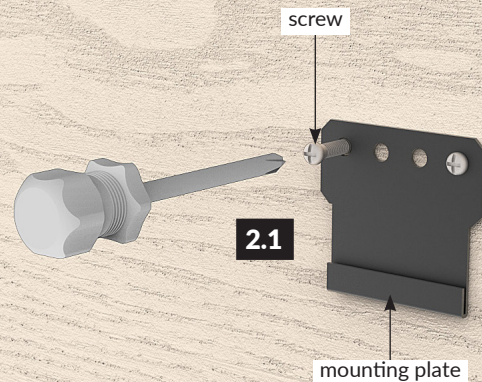


**2**

**INSTALLATION NOTES:**

- Power supply should be installed vertical to maintain NEMA 3 rating.

2.1 Align the power supply mounting plate to the surface then secure using the two screws.

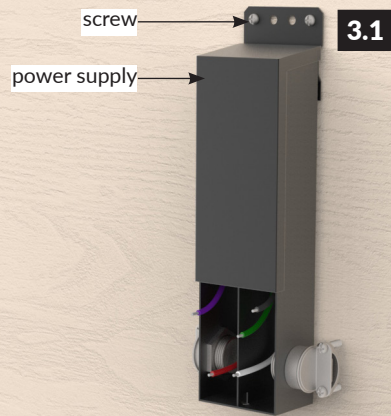


SURFACE

## Install the Power Supply

**3**

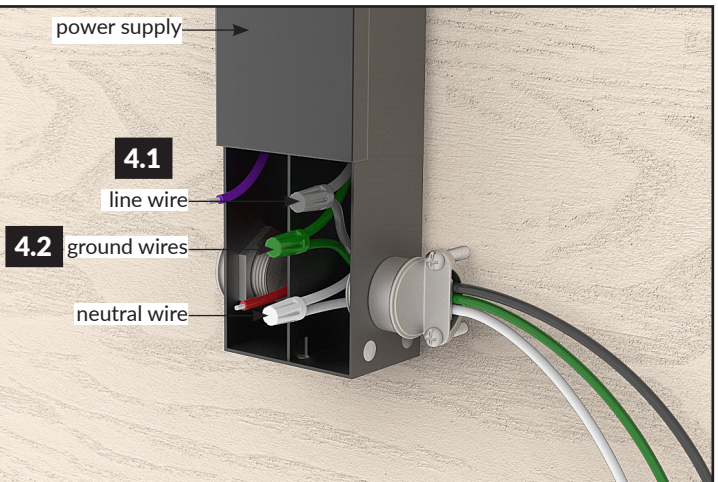
**3.1** Hang the power supply on the mounting plate and connect the conduit for both input/output wiring.



**4**

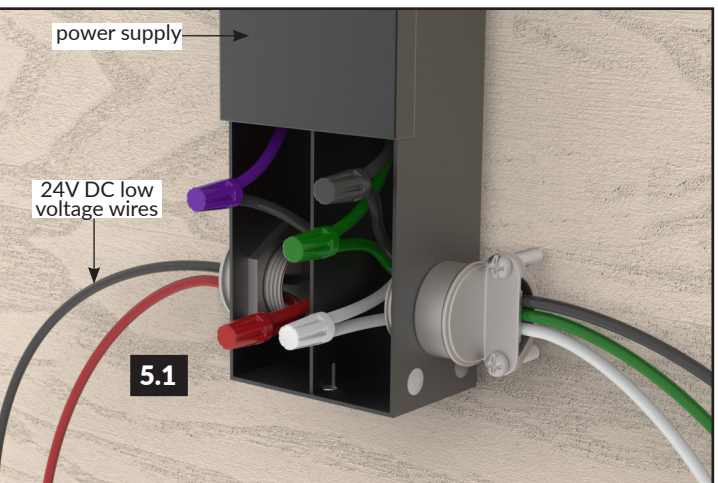
**4.1** Input Connection: Connect your AC power line and neutral wires to the black (line) and white (neutral) input wires of the driver. 277v model: orange wire is line, white is neutral.

**4.2** Grounding: The internal transformer assembly is grounded to the enclosure. The enclosure should be grounded in accordance with NEC and local electrical code. Connect the green wire of the transformer to the ground.

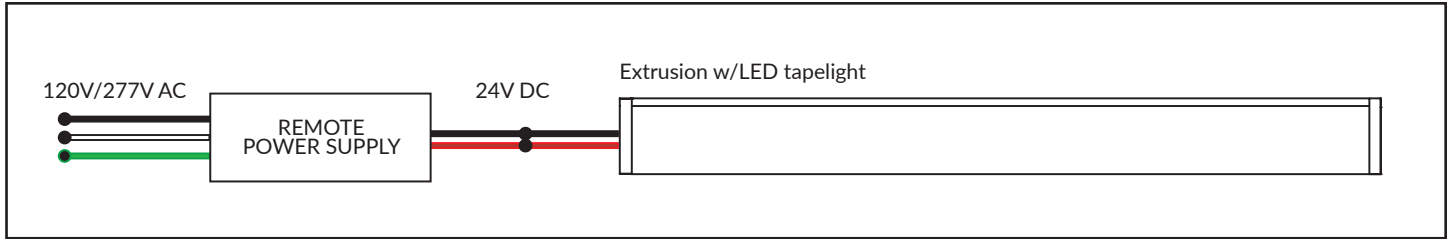


**5**

**5.1** Output Connection: Connect your load wires to the red (+) and blue/purple (-) secondary wires of the transformer. Ensure to connect to the proper polarity.



### Typical Wiring Diagram - Static Color



### Low Voltage Wire Gauge Chart

24V DC Voltage Drop and Wire Length (ft.) Distance Chart													
Power (W)	10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W	
Wire Gauge	#18	189'	94'	63'	47'	38'	31'	27'	24'	21'	19'	17'	16'
	#16	300'	149'	100'	76'	60'	50'	43'	37'	33'	30'	27'	25'
	#14	478'	238'	159'	120'	95'	79'	68'	60'	53'	48'	43'	40'
	#12	753'	274'	250'	189'	150'	125'	108'	94'	83'	75'	68'	63'
	#10	1205'	599'	400'	303'	240'	200'	172'	150'	133'	120'	109'	100'