15350 - 111 Ave, Edmonton
AB, T5M 4CB, Canada
Tel: 780-421-1940
Fax: 780-452-0036
Email: sales@design21.ca
Website: www.design21.ca

Constant Voltage Triac LED Driver

Important Note

- Read instructions completely before installation.
- Only qualified personal should install the unit.
- Installation must comply with the NEC and CEC.
- Ensure the unit has the proper input, output voltage and output wattage for your application.

Precautions Before Installing

- Check the label and ensure the driver has the proper input voltage and wattage for the job.
- Check the wire markings to ensure they match the wiring diagram on this installation guide.
- Turn off power at breaker before installation.

Installation Guidelines

- The driver must be installed in a well-ventilated area free from explosives gases and vapors. For wet, damp and dry location.
- Operate only within specified ambient temperature range of 4°F (-20°C) to 104°F (40°C). Operating at cooler surrounding air temperature will extend driver life.
- Do not overload. Up to max 80% load is recommended for safe operation of the led drivers.
- Route and secure wires so they will not be pinched or damaged.
- All wiring must be in accordance with national and local electrical codes.

For wire runs inside of walls, use properly certified CL2 or better cabling and appropriate mounting hardware. If you are unclear as to how to install and wire this product, contact a qualified licensed electrician. Failure to install this device properly may result in electrical shock or fire.

Mounting

Select a suitable location capable of supporting the weight of the transformer. Use the four keyholes on the transformer case. Screw cover closed. Mount the unit at a height greater than 1 feet (30CM) from the ground.

Input Connections / Grounding

- With power turned off at the breaker, route the input wires.
- Connect one wire to black(L) and one wire to white(N) to the corresponding pigtail wire.
- For all wire connections use only UL/CSA listed wire nuts and connectors of suitable size and type.
- The Driver case MUST be grounded in accordance with the N.E.C. Connect the ground wire to the driver green wire.

Output Connections (Low Voltage)

- Connect the wires of the light fixture to the driver wires - positive to the red(+) wire and negative to black(-) wire.
- Measure the output voltage for proper voltage to LED fixture.

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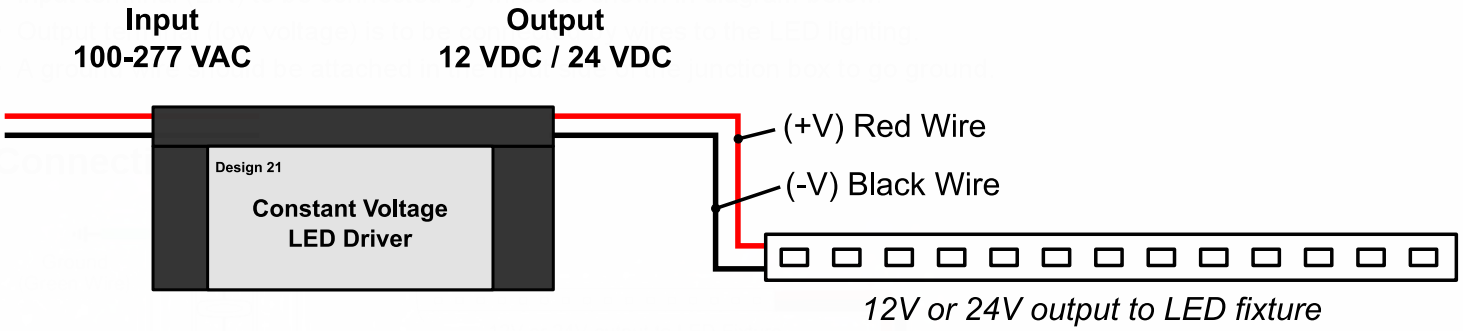
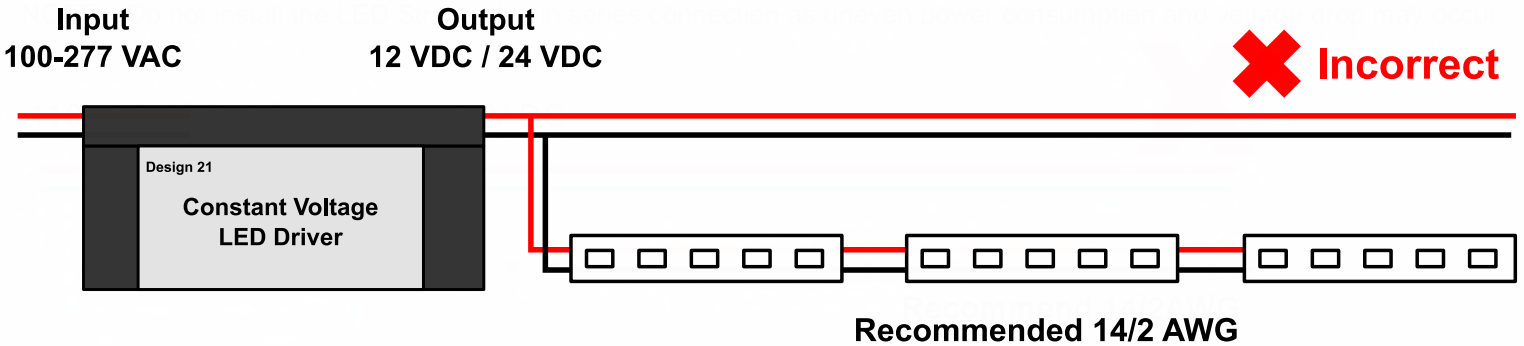
Connection Diagram

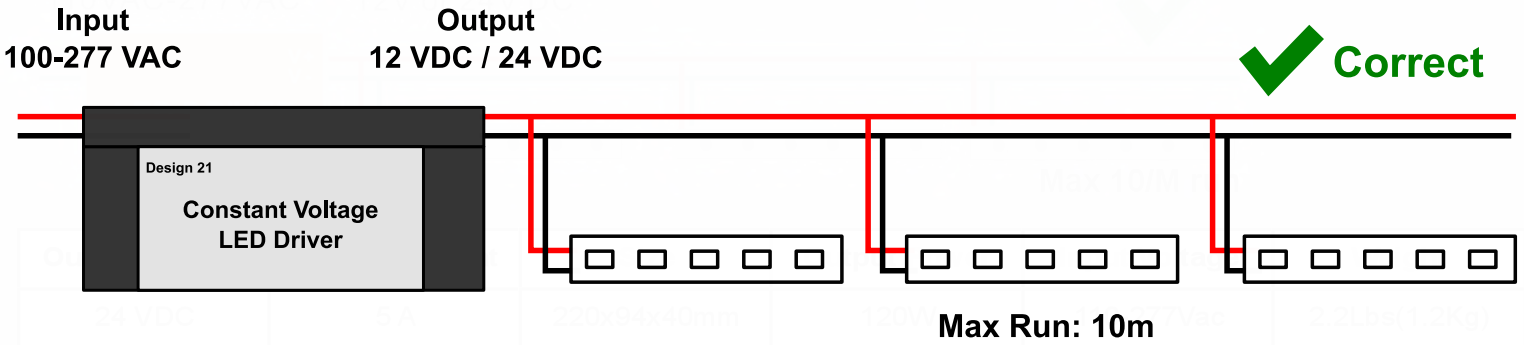


Improper installation of the led driver or overloading may permanently damage the driver and will not be covered under manufacturers warranty.

Connecting Multiple Fixtures

Remember to install and power LED strip lights individually. Do not install LED lights in series as this may lead to uneven power consumption and voltage drop.





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Specifications

Part No.	Specification				Physical Size（mm）	Output Power	Certificate/ Warranty
	Input Voltage	Output Voltage	Output current	PF			
D21-012-030V (Class 2)	110-277Vac	DC 12V	2.5A	0.98	165*92*41mm	30W	ETL RoHS,FCC ,Class p ,Class 2,type HL/ 7 years warranty
D21-024-030V (Class 2)		DC 24V	1.25A			30W	
D21-012-060V (Class 2)	110-277Vac	DC 12V	5.0A	0.98	165*92*41mm	60W	
D21-024-060V (Class 2)		DC 24V	2.5A			60W	
D21-012-080V	110-277Vac	DC 12V	6.66A	0.98	220*92.5*43 mm	80W	
D21-024-080V (Class 2)		DC 24V	3.33A			80W	
D21-012-100V	110-277Vac	DC 12V	8.33A	0.98	220*92.5*43 mm	100W	
D21-024-096V (Class 2)		DC 24V	4.0A			96W	
D21-012-120V	110-277Vac	DC 12V	10.0A	0.98	220*92.5*43 mm	120W	
D21-024-120V		DC 24V	5.0A			120W	
D21-012-150V	110-277Vac	DC 12V	12.5A	0.99	260*103*44.5 mm	150W	
D21-024-150V		DC 24V	6.25A			150W	
D21-012-200V	110-277Vac	DC 12V	16.66A	0.98	260*103*44.5 mm	200W	
D21-024-200V		DC 24V	8.33A			200W	
D21-012-300V	110-277Vac	DC 12V	25.0A	0.98	260*103*44.5 mm	300W	
D21-024-300V		DC 24V	12.5A			300W	