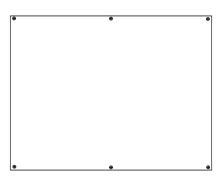


1718 W. Fullerton Chicago, IL 60614 Ph: 773.770.1195 • Fax: 773.935.5613 www.PureEdgeLighting.com • info@PureEdgeLighting.com © 2016 PureEdge Lighting. All Rights Reserved.

Installation Instructions for 2 X 100 / 3 X 100 / 4 X 100 Watt 24 Volt DC RGB DMX LED Power Supply



SAVE THESE INSTRUCTIONS!

GENERAL INFORMATION

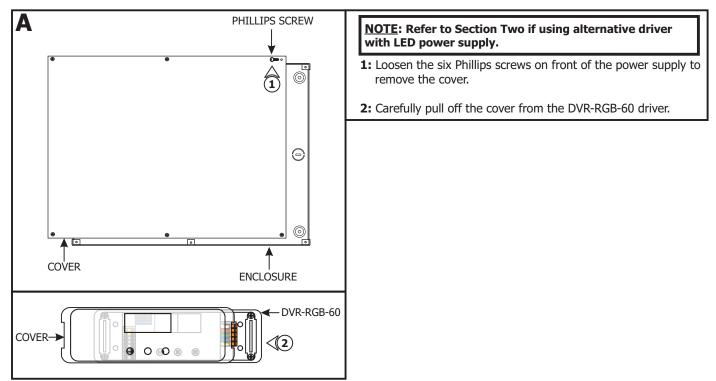
- **<u>RISK OF FIRE</u>**: This product must be installed by a qualified electrician. Turn the power to the electrical box off during installation. Read the "Important Safety Instructions" before installation.
- **NOTE:** To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.
- This product is not suitable for wet locations. It is approved for the use at any height above the finished floor.
- A typical installation is shown. Specific installation must be in accordance with the local electrical codes.
- **TO REDUCE RISK OF FIRE**, it is important to wire the power supply for the system as described in this installation instruction.
- Load each power supply to **MAXIMUM 100** Watts.
- Use CDP color dial or CTP color touch screen controller or CDMX RGB/RGBW Touch Controller with RGB LED soft strip.

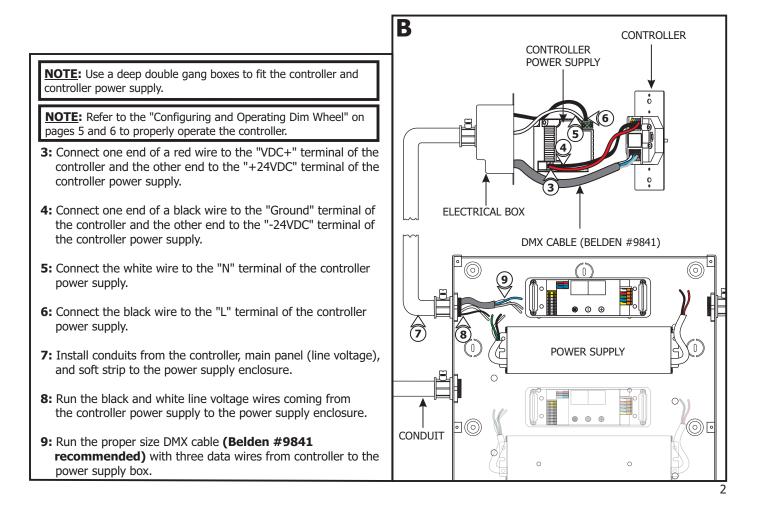
IMPORTANT SAFETY INSTRUCTIONS

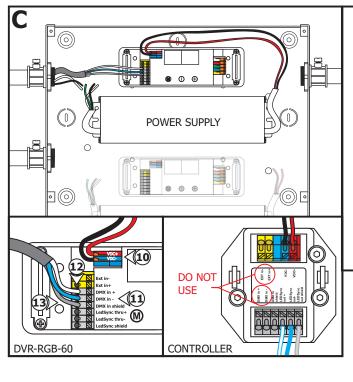
- Do not install this power supply in a wet location.
- To reduce the risk of the system overheating and possibly causing a fire, make sure all the connections are tight.
- Do not install *LED fixture closer than three inches or as specified in the *LED fixture installation instructions to curtains or similarly combustible materials. Keep insulation at least 3" away from the enclosure.
- Turn the electrical power off before modifying the lighting system in any way.
- The system is "ETL" listed for USA and Canada only when all the products used are supplied by PureEdge Lighting.
- * See LED fixture installation instructions for proper placement.

100W, 24VAC LOW VOLTAGE WIRE SIZE CHART						
3% VOLTAGE DROP	WIRE LENGTH IN FT	UP TO 31FT	32FT-49FT	50FT-81FT	82FT-124FT	
	WIRE SIZE	14 AWG	12 AWG	10 AWG	8 AWG	
	VOLTAGE AT END OF THE WIRE	23.28 VAC	23.29 VAC	23.28 VAC	23.28 VAC	

Section One: LED Power Supply with RGB Soft Strip & CDP, CTP, or CDMX RGB/RGBW Controller

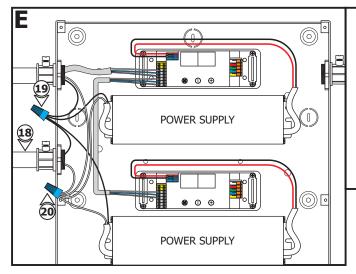






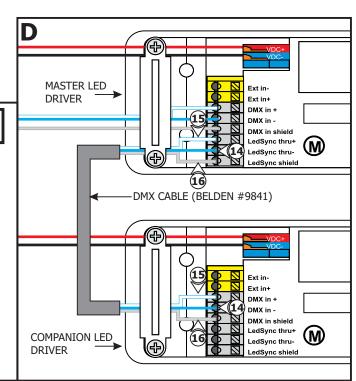
NOTE: Use instructions below to wire master LED driver to additional companion LED drivers.

- 14: Connect one end of a data wire (blue with white stripes wire) to master LED driver "LEDSYNC OUT-" terminal. Connect the other end into the DVR-RGB-60 "DMX in -" terminal.
- 15: Connect one end of a data wire (white with blue stripes wire) to master LED driver "LEDSYNC OUT+" terminal. Connect the other end into the DVR-RGB-60 "DMX in +" terminal.
- **16:** Connect one end of a data wire (bare shield wire) to to master LED driver"LEDSYNC SHIELD" terminal. Connect the other end into the DVR-RGB-60 "DMX in shield" terminal.
- 17: Repeat steps 14-16 for additional companion LED drivers.



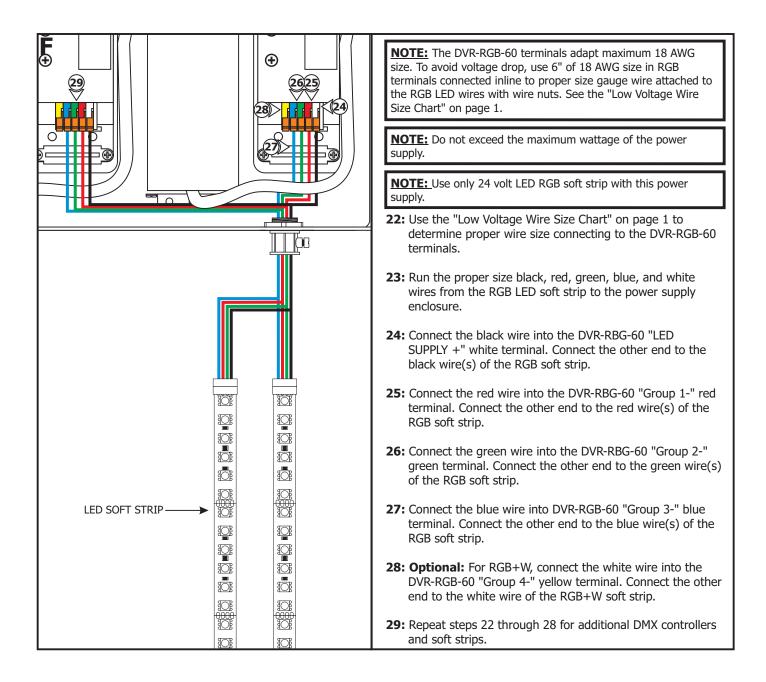
- **10:** Install a red wire from the power supply to DVR-RGB-60 "VDC+" red terminal and a black wire from power supply to DVR-RGB-60 "VDC-" blue terminal.
- **11:** Connect one end of a data wire (blue with white stripes wire) to controller "LEDSYNC OUT–" terminal. Connect the other end into the DVR-RGB-60 "DMX in –" terminal.
- **12:** Connect one end of a data wire (white with blue stripes wire) to controller "LEDSYNC OUT+" terminal. Connect the other end into the DVR-RGB-60 "DMX in +" terminal.
- **13:** Connect one end of a data wire (bare shield wire) to controller "LEDSYNC SHIELD" terminal. Connect the other end into the DVR-RGB-60 "DMX in shield" terminal.

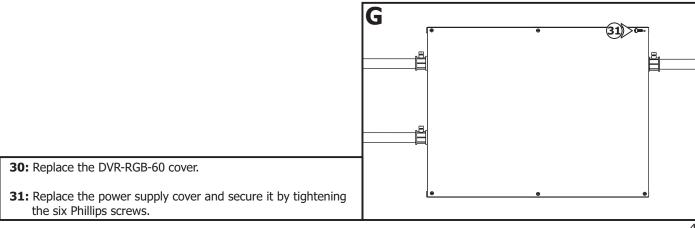
NOTE: "DMX in+", "DMX in-", "EXT in+" & "EXT in-", controller terminals are not used on controller.

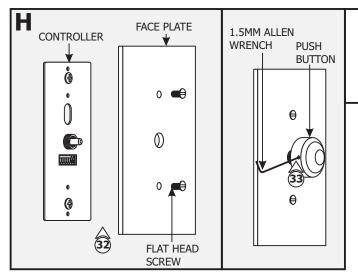


18: Run the line voltage power wires into the power supply.

- **19:** Connect the hot power wire to the black wires of each power supply and the black controller power supply wire using a wire nut.
- **20:** Connect the neutral power wire to the white wires of each power supply and the white controller power supply wire using a wire nut.
- **21:** Make sure the power supply is grounded in accordance with local electrical codes.

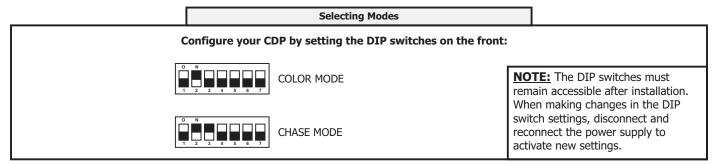


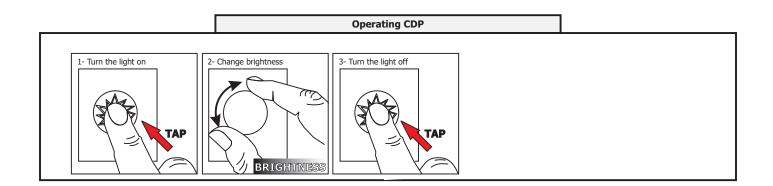


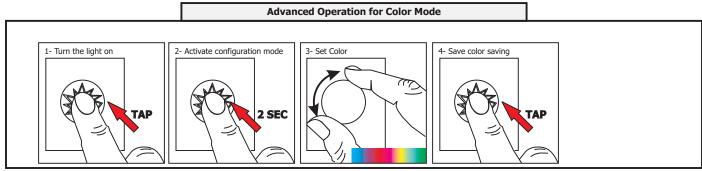


- **32:** Align the face plate to the controller and secure using the two flat head screws.
- **33:** Attach the push button onto the controller center rod and secure by tightening the M3 set screw with the 1.5mm Allen wrench provided.

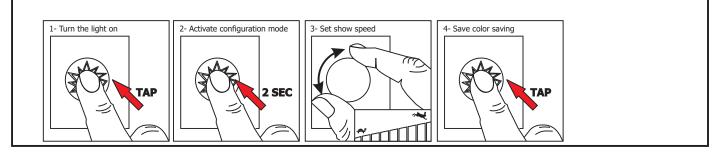
Configuring and Operating Dim Wheel

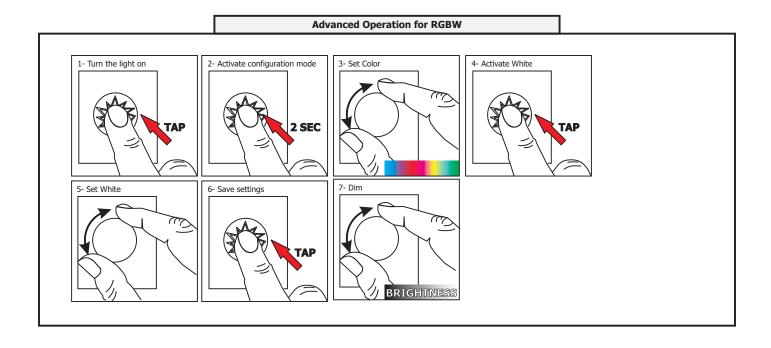




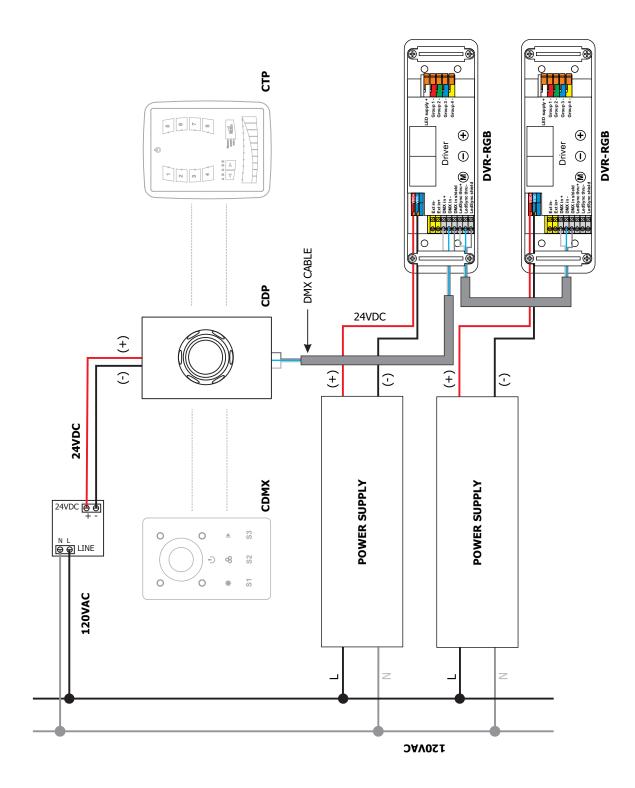


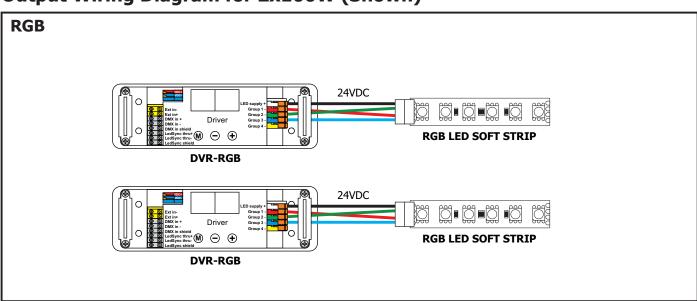
Advanced Operation for Chase Mode



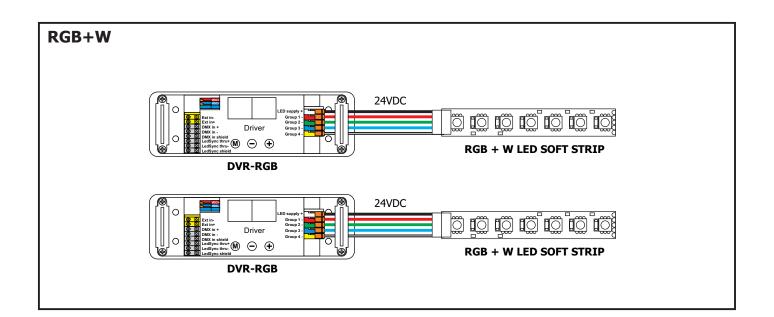


Input Wiring Diagram for 2x100W (Shown)

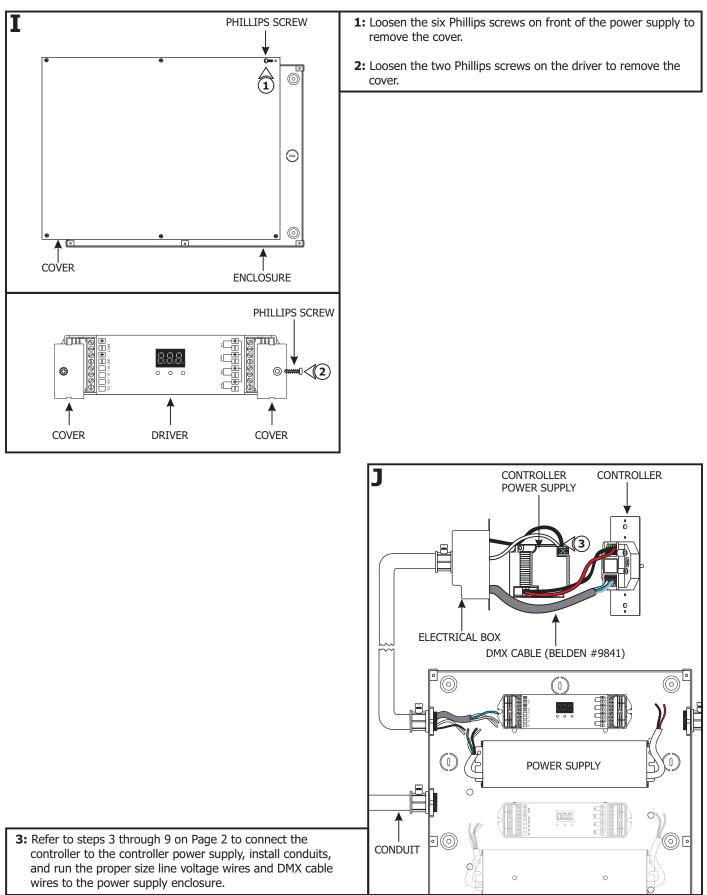


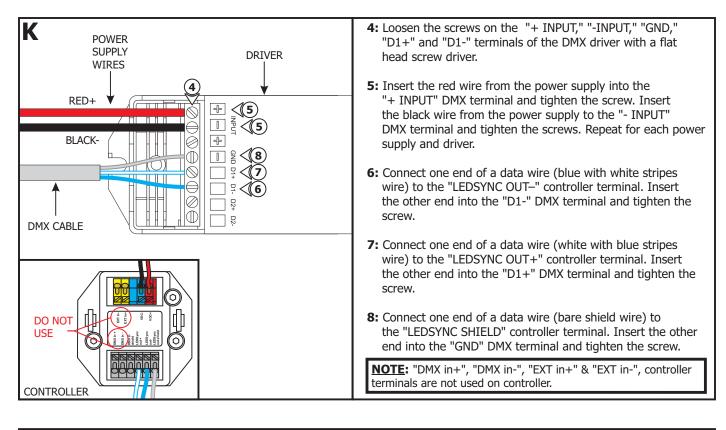


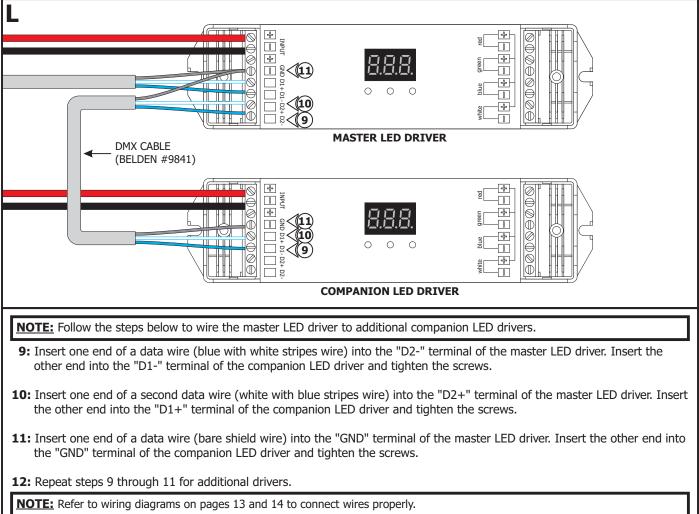
Output Wiring Diagram for 2x100W (Shown)

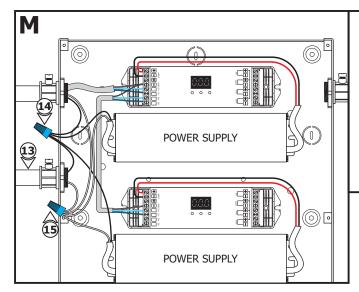


Section Two: Alternative Driver with LED Power Supply with RGB/RGB+W Soft Strip



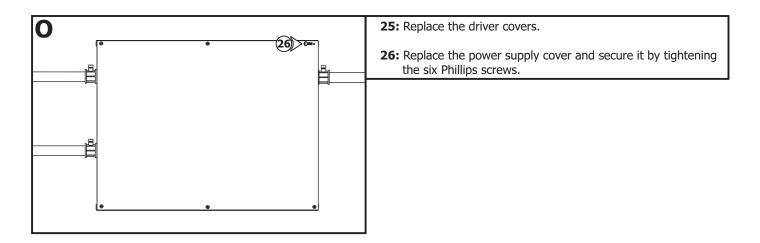




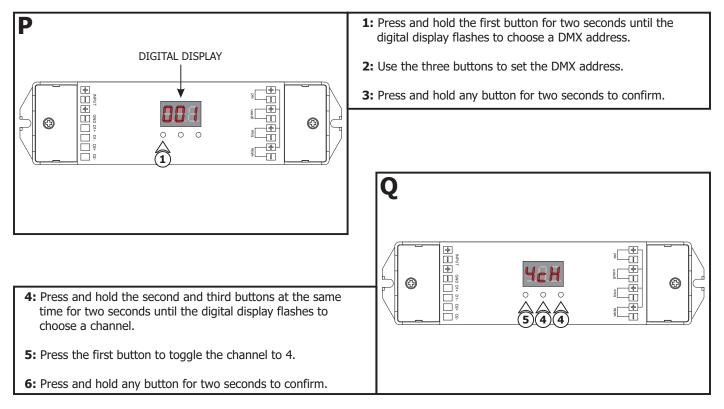


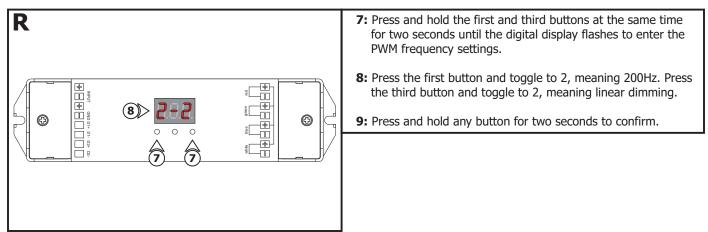
- **13:** Run the line voltage power wires into the power supply.
- **14:** Connect the hot power wire to the black wires of each power supply and the black controller power supply wire using a wire nut.
- **15:** Connect the neutral power wire to the white wires of each power supply and the white controller power supply wire using a wire nut.
- **16:** Make sure the power supply is grounded in accordance with local electrical codes.

NOTE: Do not exceed the maximum wattage of the power supply.	N RGB
17: Use the "Low Voltage Wire Size Chart" on page 1 to determine proper wire size connecting to the DMX terminals.	
18: Run the proper size black, red, green, blue, and white wires from the LED strip/fixture to the power supply enclosure.	
19: Connect the black wire of the LED strip/fixture to the red "+" DMX terminal and tighten the screw.	
20: Connect the red wire of the LED strip/fixture to the red "-" DMX terminal and tighten the screw.	RGB+W
21: Connect the green wire of the LED strip/fixture to the green "-" DMX terminal and tighten the screw.	
22: Connect the blue wire of the LED strip/fixture to the blue "-" DMX terminal and tighten the screw.	
23: Optional: For RGB+W, connect the white wire of the LED strip/fixture to the white "-" DMX terminal and tighten the screw.	
24: Repeat steps 18 through 23 for additional drivers and LED strips/fixtures.	

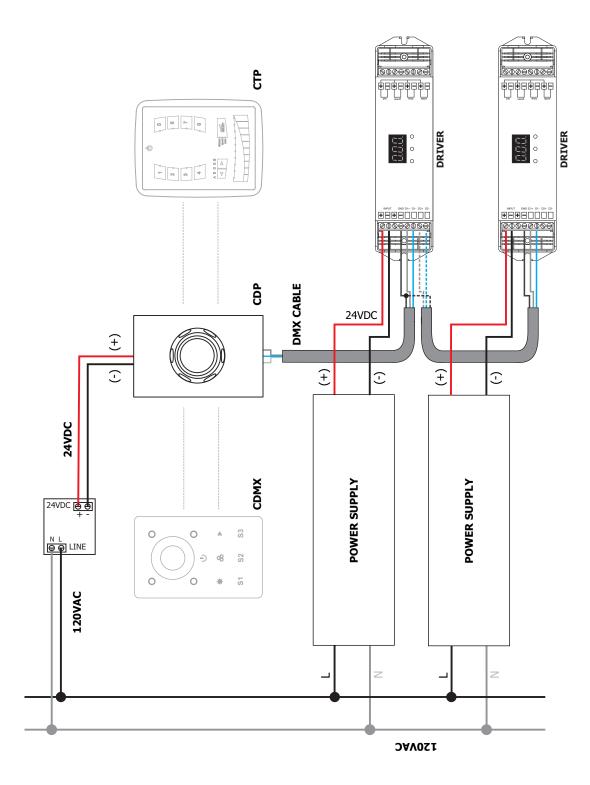


Programming Guide





Input Wiring Diagram for 2x100W (Shown)



Output Wiring Diagram for 2x100W (Shown)

