DIY LED Grow Light Assembly Instructions

Step 1: Organize and confirm all the parts, hardware and wiring schematic is included

Step 2: Tools Required

- Pencil
- Small philips & flat heat screw driver
- Wire Strippers
- Spatula
- Drill
- Tape

Step 3: Insert Mean Well drivers into proper channels of MakersDRIVER 5UP PRO

- Insert 700mA module into channel 1, 1000mA module into channels 2,3,4 and the final 700mA module into channel 5

Step 4: With a pencil, mark the locations of led board #1, #2 and the 5UP driver. Allow at least 1-inch to 2-inches of space between 5UP PRO driver and edge of heat sink. LED boards can be placed where ever is best for your application/location of plants.

Step 5: Apply Arctic Silver Thermal Grease

Step 6: Insert LED mounting screw hardware through 4 corner holes and loosely attached nut hardware.

Step 7: Install LED boards #1 and #2 onto the heat sink, aligned correctly (so terminal block openings face to the outside edge of the heat sink) and tighten down boards with screws. Be sure that the LED grow board #1 is aligned with #2 correctly (NEG channels #1,3,5 should be next to POS channels 1,3,5)

Step 8: Mount MakersLED 5UP PRO driver

- Use bottom slot so lens cover can fit over the top of the driver and orientate the driver to match the image (writing is up and blue terminals face LED boards)

Step 9: Connect LED board #1 to #2. Approximate length of wire, cut, strip ends.

- Jump NEGATIVE channels of LED board #1, via terminal blocks, 1,2,3,4 & 5 to corresponding POSITIVE channels on board #2. Insert wire into terminal blocks and tighten down each wire

Step 10: Connect LED board #2 to 5-Up pro driver. Approximate length of wire using pencil marked location for driver, cut wire, strip ends, insert into terminal blocks and tighten down each wire.

- Jump NEGATIVE channels, via terminal blocks, 1,2,3,4 & 5 to corresponding NEGATIVE channels on 5-Up Pro driver.

Step 11: Connect LED board #1 to 5-Up pro driver. Approximate length of wire using pencil marked location for driver, cut wire, strip ends, insert into terminal blocks and tighten down each wire.

- Jump POSITIVE channels of LED board#1, via terminal blocks, 1,2,3,4 & 5 to corresponding POSITIVE channels on 5UP PRO driver.

Step 12: Drill 3/16" diameter hole near the black terminal block on 5-Up pro driver for FAN WIRES.

Step 13: Connect fan to terminal block on 5-Up pro driver. Cut off connector, strip wires, connect to terminal block on 5-Up pro driver.

Step 14: Drill hole through end-cap for power and controller wires.

Step 15: Run power wires and controller wires through end-cap hole.

Step 16: Connect power to Green terminal block on driver.

Step 17: Connect MakersLED Controller to 5UP PRO driver.

Step 18: Slide MakersLED Controller into heat sink.

Step 19: Slide in clear lens cover after peeling off protective paper.

Step 20: Mount End-Caps

Step 21: Mount Fan

Step 22: Connect power wires to power-supply

Step 23: Connect power cord to power-supply