



Horticulture
Lighting Group®

PRODUCT ASSEMBLY

320 XL KIT

Horticulture Lighting Group
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320 XL KIT ASSEMBLY

Please follow these instructions exactly as directed on this page and shown on page 3. Failure to follow these assembly instructions correctly may result in a non functional lamp or unsafe lamp (see safety information).

We encourage you to also watch this video guide for assembly of this light: <https://horticulturelightinggroup.com/collections/kits/products/320w-xl-qb-v2-led-kit>

Items needed for assembly: 2x long screws/24x short screws/2x nuts/1x straight connector/4x plastic screw legs/2x Wagos

Tools:

Before starting, you will need the following: **Wire stripper** and **included philips screwdriver**.

Step 1: Hand tighten all four legs into the four outermost screw holes on the heatsink.

Step 2: Place LED boards on the heatsink, with positive and negative connectors opposite from each other.

Step 3: Screw all short screws from kit bag into the LED board holes marked in red using the included screwdriver.

Step 4: Flip heatsink, placing it on its previously installed legs. The "fins" side of the heatsink should be face up.

Step 5: Place the 'HLG-320H-C1750A' driver diagonally across the "fins."

Step 6: Line up the heatsink and driver holes. Screw the two long screws in from the non-finned side of the heatsink on both sides then tighten the two nuts onto them.

Step 7: Wrap the output side wire around the driver pointing towards the input side.

Step 8: Measure the length from the tip of the pink wire, through the hole nearest to that side, and into the right side boards positive connector. Cut and strip the extra red wire accordingly.

Step 9: Using one of the Wagos provided, attach the red wire and the pink wire from the output side and send the other side of the red wire through the hole and into the right side boards' positive connector.

Step 10: Take the black wire and measure from the tip of the blue wire back the opposite way towards the left side board through the hole and into the negative side connector. Cut and strip the black wire accordingly.

Step 11: Using one of the Wagos provided, attach the black wire and the blue wire from the outoput side, and send the opposite side of the black wire back through the hole near the left side board and into the negative connector.

Step 12: On the LED side of the light, using the extra black wire, measure the distance from connector to connector on the corners of the middle board that DO NOT have any wires in them. Cut, strip, and insert accordingly. Your board should look like step 12(2) by this point.

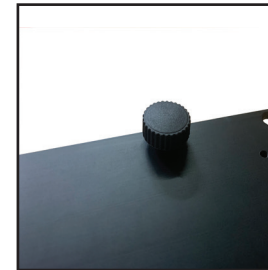
Step 13: Cut about a quarter inch from the top of the opposite side wires and then strip them as shown in diagram, otherwise it is possible that the wires could hang out of the clamp when tightened.

Step 14: Insert the wires into one side of the straight connector EXACTLY as instructed; BLUE wire to SILVER coated hole. GREEN/YELLOW wire to COPPER coated hole. BROWN wire to BLACK coated hole and screw them in using the included screwdriver. **Do not** over tighten screws, as it can cut the wires.

Step 15: Insert plugin cord wires into the other side of the straight connector EXACTLY as instructed; WHITE wire to SILVER coated hole. GREEN wire to COPPER coated hole. BLACK wire to BLACK coated hole. Screw them in using the included screwdriver. **Do not** over tighten screws, as it can cut the wires.

Step 16: Tighten the caps to the straight connector.

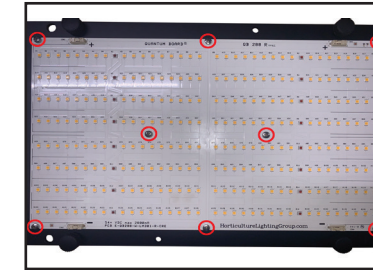
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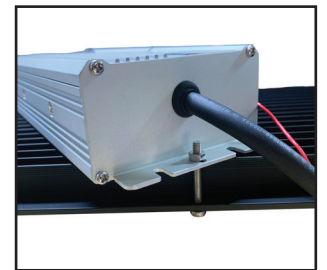
Step 2:



Step 3:



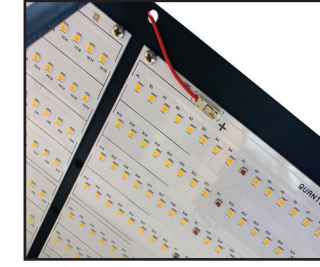
Step 4&5:



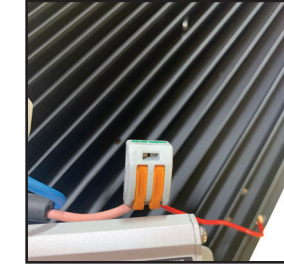
Step 6&7:



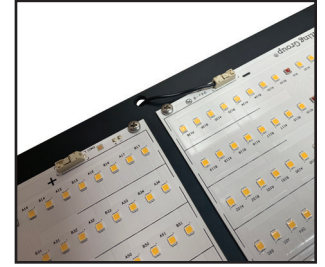
Step 8:



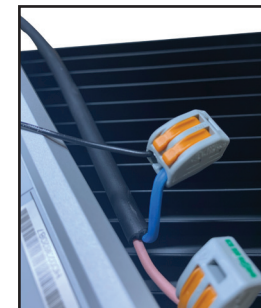
Step 9:



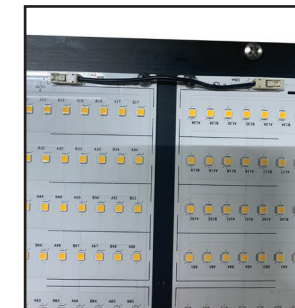
Step 10:



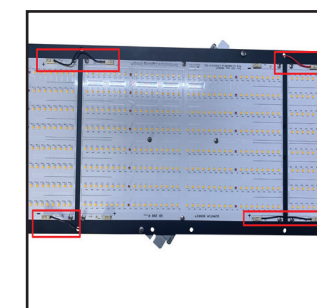
Step 11:



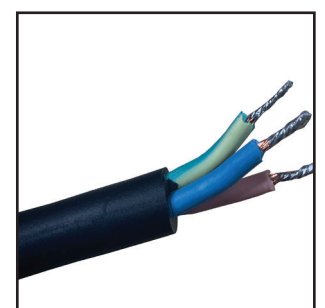
Step 12:



Step 12(2):



Step 13:



Step 14:



Step 15:



Step 16:



Safety information

If you have **ANY** questions about this assembly please call technical support: (1-877-445-4533)

Please read this important safety information before you use the device. It contains general safety information. Follow the warning and caution information to prevent injury to yourself or others and to prevent damage to your device.



Eye Exposure:

1. Injury may occur if eyes are subjected to prolonged direct exposure to bright light. Wear approved eye protection for protection from UV rays, and appropriate certification compliances for LED lighting.
Do not use lamps in applications where humans and/or animals will be subjected to direct long-term uncomfortable visual exposure to light emissions as this could result in eye injury. If lamp appears damaged, remove power and then repair or request replacement the product.



Burn Warning:

1. Operating lamps may become hot and may involve some risk or causing fire or serious bodily injury or other damages. Use of temperature resistant gloves is recommended.

*Always allow sufficient time for product to cool prior to touching.



Electrical Hazard:

1. Electrical shock hazard is always associated with the use of electrical appliances and working with electricity. Do not use if cords or plugs are damaged or with loose electrical sockets. Unsecured connections can cause electrical shock or fire. Do not touch the power cord with wet hands or disconnect from power source by pulling on the cord, as doing so may result in electrical shock. Do not bend or damage the power cord or unit wiring, as doing so may cause electrical shock or fire. User holds sole liability and responsibility for proper use, handling and installation of this product.

2. When performing any troubleshooting please disconnect the AC power and wait 30 seconds for power supply to de-energize. It is also important to follow this step before any inspection, adjustment or maintenance to lamps.



Environment:

1. All disposal options should be evaluated with respect to federal, state, and local requirements. Before disposing of waste lamps, check with federal, state, and/or local officials for current guidelines and regulations.



Caution Sharp:

The edges of the heat sync "fins" may cause lacerations. Handle with care

Caution:

Failure to comply with safety cautions and regulations can cause injury or property damage

- Care and use your device properly. Do not use the device for anything other than its intended use
- Damages or poor performance caused by failure to follow warnings and instructions can void your manufacturer's warranty.

Disclaimer:

Failure to assemble this light kit properly according to the directions can result in a non-functioning lamp, wire exploding, shorting and fires. Buyer accepts responsibility for any and all grow lamps and components and any product operation that may lead to personal injury, economic loss, social distress, death or other losses including costs and damages. Horticulture Lighting Group is not responsible for misuse of any of their products. The purchaser is solely responsible for compliance with all applicable laws and regulations concerning the use of Horticulture Lighting Group products.

The information contained in this manual herein is presented in good faith and believed to be correct. No representations are made as to the completeness or accuracy thereof. Neither Preparer nor Company assumes any liability or responsibility for its use.

SAFETY HLG: 06/19/2020

Assembly Edition: 06/22/2020

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