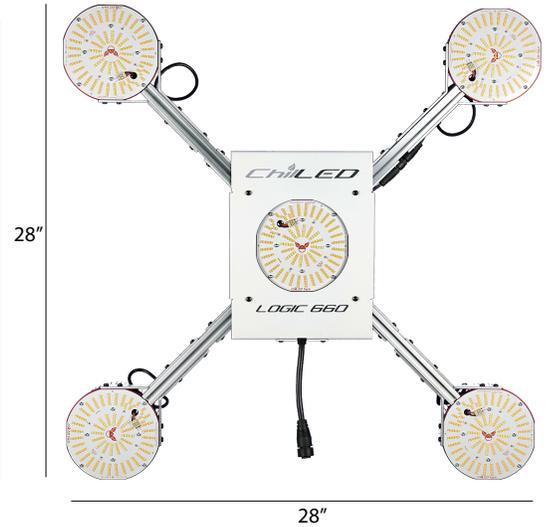


Chilled Tech

LOGIC 660 USER MANUAL

Specifications

Input Power	230 - 660W 100-277 VAC 50/60Hz
Diodes	Samsung 301B + Osram 660nm
Spectrum	3000K, 5000K, 660nm mix
PPF	1585 $\mu\text{mol/s}$
Efficacy	2.7 - 2.4 $\mu\text{mol/J}$
Fixture Dimensions	28" x 28" (71cm x 71cm) expandable**
Mounting Height	24" (~60cm) above canopy
Thermal Management	Passive all aluminum
Dimming	On-board driver
Lifetime	50,000hrs
Warranty	3 Year Standard



System hardware

A. LOGIC 660 LED fixture

B. 79" (2M) DC remote driver cable

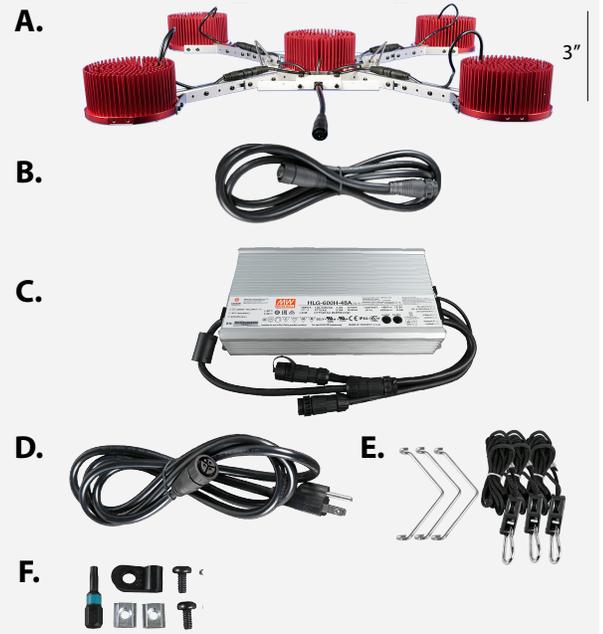
**one included. user may link up to three cables for longer distance remote driver mounting*

C. Meanwell HLG-600 LED Driver

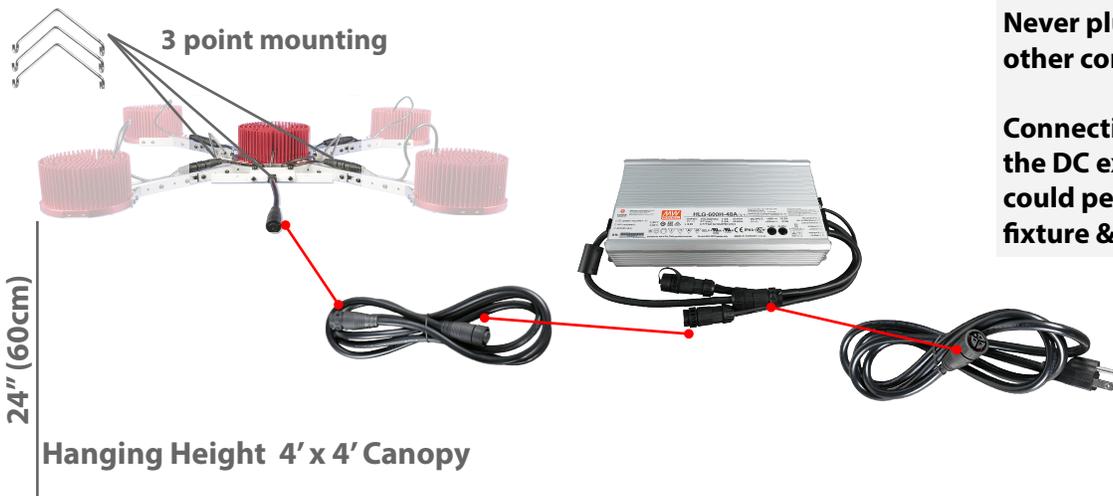
D. 79" (2M) AC Power Cord

E. SS hangers | Aluminum mechanism rope ratchets (x3)

F. Spare Fasteners + T15 torx bit



Mounting | Installation



WARNING:
Never plug into wall before all other connections are made.

Connecting or disconnecting the DC extension while energized could permanently damage your fixture & void warranty.

** Expansion instructions, FAQ, PAR map, and additional resources available at chilledgrowlights.com

IMPORTANT SAFETY PRECAUTIONS & GENERAL CARE

Mounting

Three hanging sets are included with each light. We recommend hanging this fixture using all three. Set your level (left / right balance) first, then add the third hanger at the wire harness mounting point. You can secure the DC extension cable to this third rope ratchet using cable ties for a cleaner look.

IMPORTANT: This is an aluminum, passively cooled LED fixture. The top of the pin heatsinks must be unobstructed to properly radiate heat away from the LEDs. Leave a minimum 4 inch (10cm) air gap above the fixture for proper passive ventilation.

Hanging Height

- 4 x 4 Flowering 24in.
- 4 x 4 Vegetative 24in. dim to half power
- 5 x 5 Flowering 36in.
- 5 x 5 Vegetative 36in. monitor plant response, dim as needed

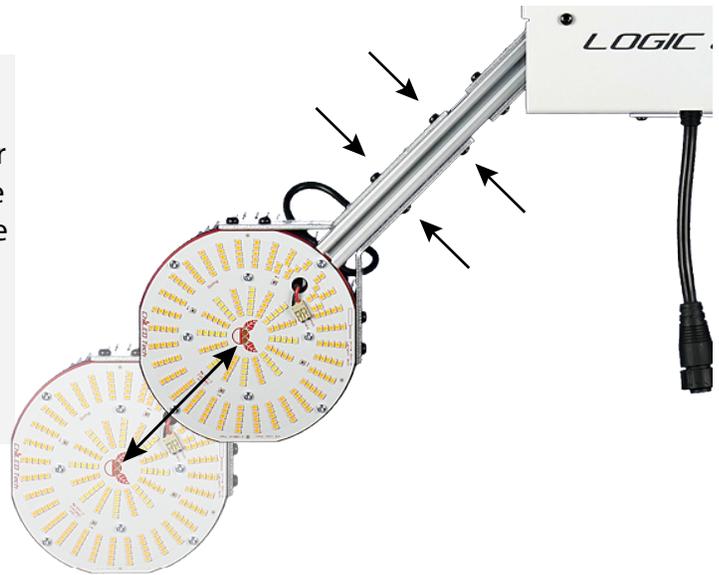
First time LED growers:

A note from growmau5,

If this is your first LED grow light, congratulations & thank you for supporting Chilled Tech. LED fixtures of this caliber are very intense. For me personally, I like to start by hanging the fixture as high as my space allows on day one. Using a "Kil-a-watt" power monitor, I will also dim the fixture by 50%. The new growth will likely be a lighter lime green color, then settle into a deeper, darker green color as the internodes stack. If the growth stays a lighter lime green color, or looks washed out, this is likely a "too much light" issue. Start slow, start high and let the plants get used to the intensity and spectrum over the course of a week. This will save you time in the long run. ~growmau5

Telescoping Feature

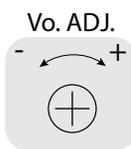
For 4x4 spaces, use the 24" hanging height & factory mounting position right out of the box. For larger spaces, users can telescope the four corner arms for a larger fixture & larger spread. Place fixture on a clean, smooth, flat surface. Do NOT adjust while hanging. Using the included T15 Torx bit, loosen (but do not remove) the (4) screws securing each LED bracket. Adjust to your desired spread then re-tighten.



Cleaning

Isopropyl Alcohol / Rubbing Alcohol is an approved cleaning agent for Samsung LEDs.

Dimming



To adjust fixture brightness, remove Vo cap on LED power supply. Using a very small screw driver, twist clockwise for max power, twist counter-clockwise for minimum power. Out of the box, each fixture is factory tuned to max brightness ~630-660w. Always replace black cap to maintain Meanwell's dust & water resistant rating. Loss or permanent removal of this cap may void warranty.