
INSTRUCTIONS

HYDROPONIC LED GROWTH CHAMBER

HYDROPONIC HOME APPLIANCE


HYDR FARM®



GLC0100

INSTRUCTIONS

HYDROPONIC LED GROWTH CHAMBER

The Hydroponic LED Growth Chamber upgrades traditional based agriculture to indoor planting to overcome environmental problems, pests and cultivation techniques. The water culture system is easy to use right out of the box. The platform that holds the plants floats directly on the nutrient solution. An air pump supplies air to the air stone that bubbles the nutrient solution and supplies oxygen to the roots of the plants.

- Uses stainless steel SUS304 material
- No nitrate residue
- Sterile environment cultivation
- Daily electricity consumption is less than 1kWh
- Harvest time reduced by approximately 30%
- Uses a full spectrum LED light
- Water tank capacity: 20L
- 32 growth sites
- Power: AC 100-240, 50-60Hz
- Power consumption: 54 watts @ 110Vac

SAFETY NOTIFICATION

- To reduce the risk of electronic shock, do not disassemble or make alterations to the product. Instead, take it to qualified service center when service or repair work is required.
- Do not plug or unplug the product with wet hands.
- Never spill liquid of any kind on the product.
- Do not place this product on an unstable cart, stand or table. Make sure the place that you store the product is appropriate. If you are unsure, please contact your local service center.
- Do not place outdoors.
- Do not shake or move the product when planting.
- Keep the provided nutrients away from children.
- Do not mix different nutrients within the same dropper.
- Do not drink or swallow provided nutrients.
- Do not use the product if the power cord or plug is damaged.
- Do not allow adaptor or AC power cord to be pinched, bent, or placed in high temperature areas.
- Unplug the product if it is no longer in use.
- If the metal part of plug is stained with dust or water, please wipe carefully.

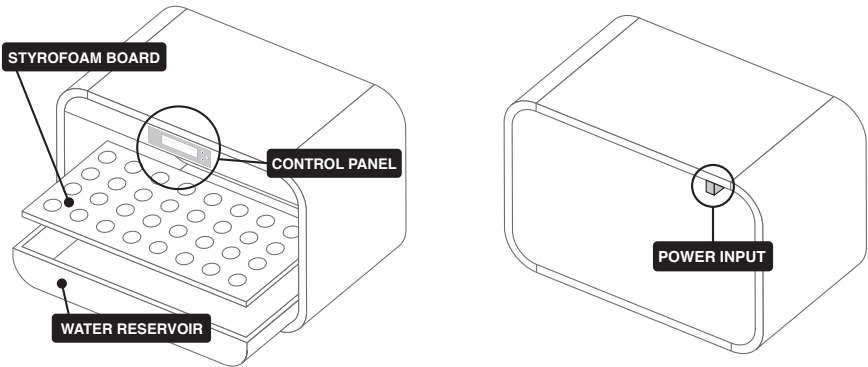
INSTRUCTIONS

SUPPLIED ACCESSORIES

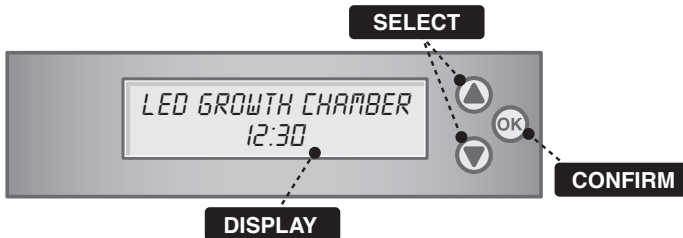
1. Installation Guide x1
2. 100-240Vac Power Adaptor x 1
3. Water Reservoir x 1
4. Styrofoam Board x 1
5. Starter Tray 15"x7" x 1 (CKTRAYM)
6. Starter Humidity Dome x1 (CK64000)
7. 18/40 Natural Grow Sponges x40
8. Foam Plant Sponges x 4
9. Air Stone x 1
10. Clip x 1
11. Spray Bottle x 1
12. Sample Nutrients x 2
13. Dropper for Nutrients x 1



SYSTEM DESCRIPTION



CONTROL PANEL



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GETTING STARTED

The Hydroponic LED Growth Chamber includes a starter tray, insert, dome, natural grow sponges, foam plant sponges, and a spray bottle to aid in seed germination. It's important to keep seeds in a warm humid environment for successful germination.

GROWING WITH NATURAL GROW SPONGES:

- Place the natural grow sponges into the black plastic grow insert.
- Place one seed in each natural grow sponge.
- Place the complete grow insert including sponges and seed into the 15" x 7" starter tray.
- Mist the sponges with the included spray bottle and place the dome onto the starter tray.
- Keep the seeds warm and moist until they germinate.
- When roots are visible transplant the sponges into LED Growth Chamber.

GROWING WITH FOAM SPONGES:

- Take one sheet of foam sponges and place into the starter tray.
- Add water and press the sponge until it fully absorbs the water.
- Place seeds into the center of each cube.
- Position seeds about 1mm-2mm inside of the sponge
- Place the dome onto the starter tray.
- Keep the seeds warm and moist until they germinate.
- When roots are visible transplant the sponges into LED Growth Chamber

TIPS FOR SUCCESSFUL GROWING

- Place the product on a table that will hold 100 lbs. securely
- Plug the cord into an electrical outlet.
- Place Air Stone on the end of clear air tube in the Water Reservoir.
- Fill Water Reservoir up to "water level" line.
- Place Styrofoam Board into the Growth Chamber on top of the water.
- Transplant seedlings into the Styrofoam board when roots are visible.
- Add sample nutrients according to the instructions listed on the bottles.
- Always keep water at "water level" marked in the reservoir.
- Use the spray bottle to keep plant moist.
- Use a fan for air circulation.



*** WARNING - Temperature higher than 90°F or lower than 47°F will cause death of plant.**






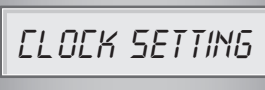









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TIMER AND FUNCTION SETUP

The GLC0100 control panel makes it easy to grow plants efficiently.

CLOCK SETTING

Set start time and finish time with steps below


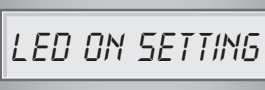






Press  or  to select "CLOCK SETTING", and press 	
HH (hour): press  or  to adjust, and press 	
MM (minute): press  or  to adjust, and press 	
Display "OK" means finish.	

LED ON SETTING

Preset start time at 06:00. To adjust, follow the steps below

To maintain growth rate and quality, set LED duration at 13 hours minimum (factory preset 18 hours)

For flowering, set LED duration at 12 or less hours per day

Press  or  to select "LED ON SETTING", and press 	
HH (hour): press  or  to adjust, and press 	
MM (minute): press  or  to adjust, and press 	
Display "OK" means finish.	

INSTRUCTIONS

LED OFF SETTING

Preset start time on 06:00. To adjust, follow the steps below

Press ▲ or ▼ to select "LED OFF SETTING", and press OK	LED OFF SETTING
HH (hour): press ▲ or ▼ to adjust, and press OK	LED OFF SETTING ... HH:MM
MM (minute): press ▲ or ▼ to adjust, and press OK	LED OFF SETTING HH:MM ...
Display "OK" means finish.	OK

AIR PUMP SETTING

Preset interval is 5 minutes. To adjust, follow the steps below

Press ▲ or ▼ to select "AIR PUMP SETTING", and press OK	AIR PUMP SETTING
Press ▲ or ▼ to select 5, 10 or 15 minute intervals, and press OK	AIR PUMP SETTING 5 MINUTES
	AIR PUMP SETTING 10 MINUTES
	AIR PUMP SETTING 15 MINUTES
Display "OK" means finish.	OK

INSTRUCTIONS

FORCE LED TURN OFF/ON NOW

User is able to force LED turn on/off by personal request. System will return to user's previous set up operation (If user did not set up, system will operate factory preset mode).

LED Light status: ON Press ▲ or ▼ to select “LED TURN OFF NOW” and press OK	LED TURN OFF NOW
LED Light status: OFF Press ▲ or ▼ to select “LED TURN ON NOW” and press OK	LED TURN ON NOW

FORCE SYSTEM TURN ON/OFF

System can only be forced to TURN OFF when Plant Starter Basin is empty.

SYSTEM status: ON Press ▲ or ▼ to select “SYSTEM TURN OFF NOW” and press OK	SYSTEM TURN OFF NOW
SYSTEM status: OFF Press ▲ or ▼ to select “SYSTEM TURN ON NOW” and press OK	SYSTEM TURN ON NOW

WARRANTY

*1 Year
Warranty!*

LIMITED WARRANTY

Hydrofarm warrants the **GLC0100** to be free from defects in materials and workmanship. The warranty term is for one year prorated beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. Hydrofarm will, at our discretion, repair or replace the **GLC0100** covered under this warranty if it is returned to the original place of purchase. To request warranty service, please return the **GLC0100**, with original sales receipt and original packaging, to your place of purchase. The purchase date is based on your original sales receipt.

