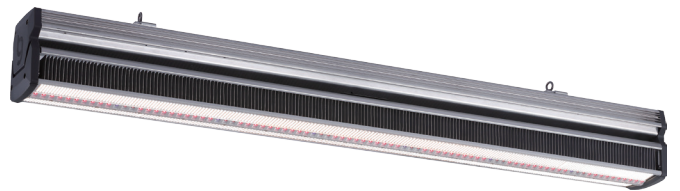




Model-I Plus Horticulture LED Grow Light

User Manual



Powered by TroiMaster
Assembled in China
www.thinkgrowled.com
support@thinkgrowled.com

◆ OVERVIEW

The Model-I Plus is a high performance LED grow light for the horticulture cultivation. The compact design with a built-in driver balances the energy efficiency and human work environment. It is ideal for greenhouse and single-tier level indoor cultivation. The innovative V-shape design on the LED panel improves light distribution, which lowers the height from canopy needed as it reduces light energy loss. Four spectrum channels including UV, White, Deep Red and Far Red are fully controllable to dial in the exact recipe of light your plants need (only available on TroMaster HCS-2/3 controller).

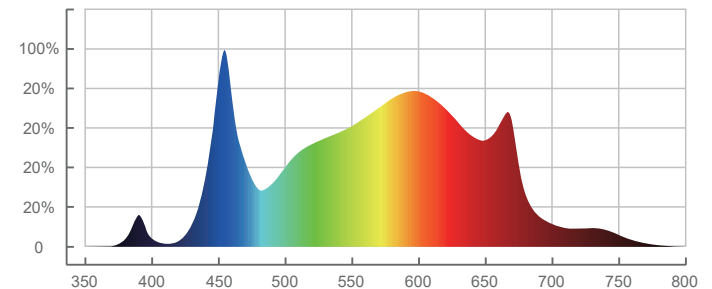
- Outstanding Efficiency at 2.7 umol/J
- Slim design with built-in driver
- Innovative V-shape design on LED panel for better light distribution
- Ultimate controllability on UV, White, Deep Red and FAR Red channels
- External control ability (up to 256 fixtures per channel)

◆ SPECIFICATIONS

PPF:	1944 $\mu\text{mol/s}$
Efficacy:	2.7 $\mu\text{mol/J}$
Input Power:	720 W
Input Voltage: Voltaje de entrada:	100-277VAC, 50/60Hz 100-277VAC, 50/60Hz
Power Factor:	$\geq 90\%$
Degree of ingress Protection: Indice de protection	IP66 IP66
Fixture Dimensions/Weight:	45.24"x4.36"x6.46 / 22.33lbs
Mounting Height:	>2.5ft Above Canopy
Lifetime:	L90 : >54,000 hrs
Warranty:	5 Years Standard Warranty
Amp Draw:	120V/6.23A, 240V/3.09A, 277V/2.71A
Working Environments:	Temperature 32-104 °F

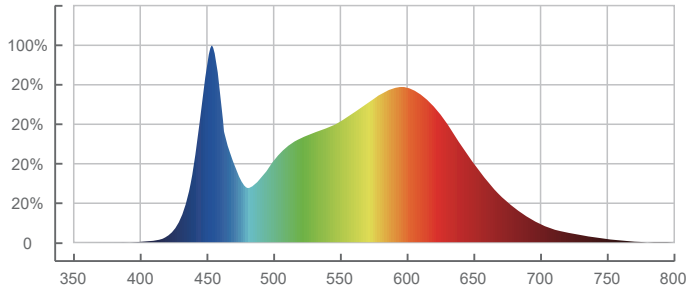
◆ SPECTRA

Primary Spectrum

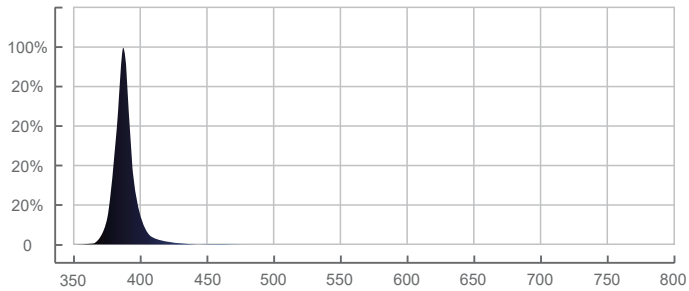


Individual Spectrum Channels

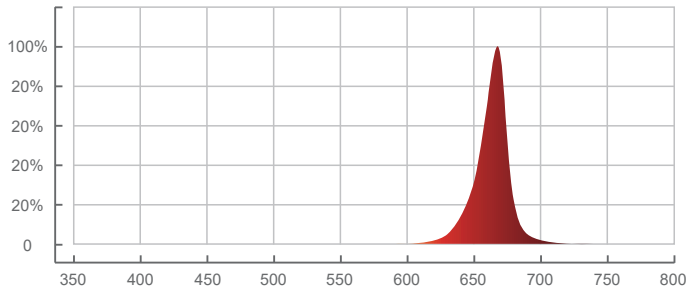
White



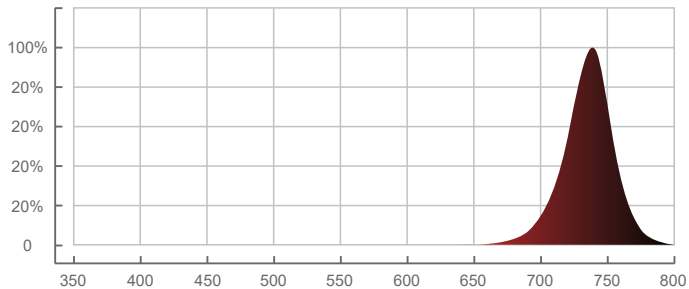
UV



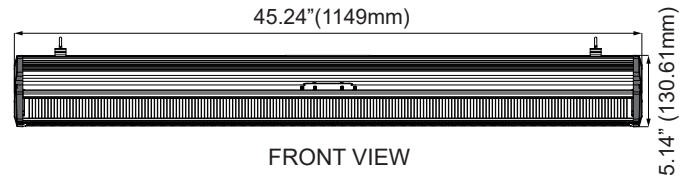
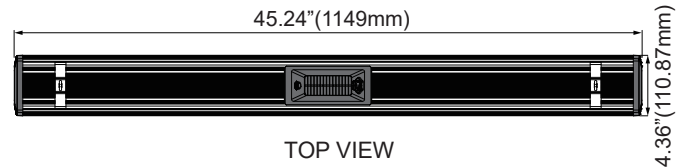
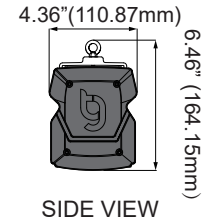
Far Red



Deep Red



◆ PRODUCT DIMENSION



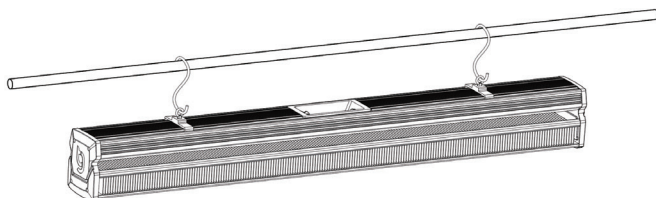
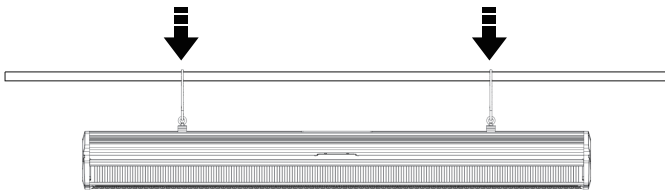
◆ WARNINGS

- Before installing, servicing, or performing routine maintenance, follow these general precautions.
- For the installation: if you are unsure about the installation or maintenance of this fixture, consult a qualified licensed electrician and check your local electrical code.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- Turn off the power and unplug fixture when you perform any maintenance.

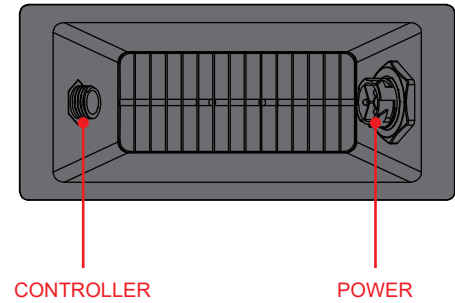
- Verify that supply voltage is correct by comparing it with the information on spec label.
- Avoid hitting, bending or causing mechanical stress to the fixture.
- DO NOT cover or block any part of the fixture during operation.
- To clean lens, use a mild soap or detergent (e.g. common dishwashing liquid) and lukewarm water using a clean soft cloth.
- Always provide a well-ventilated environment where ambient temperatures do not exceed 40°C (104°F) regardless of whether the fixtures are in operation or off. Excessive temperatures can inhibit performance and may cause damage or shorten the life of the fixtures and void the warranty.

◆ INSTALLATION

1. Mounting



2. Connecting Power



Use the 240V power cord with a Push-lock water proof connector to connect power to the fixture input power port.

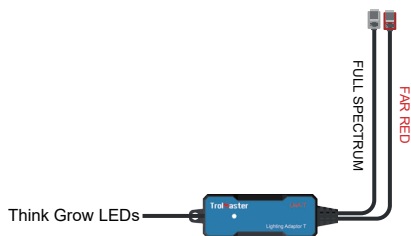
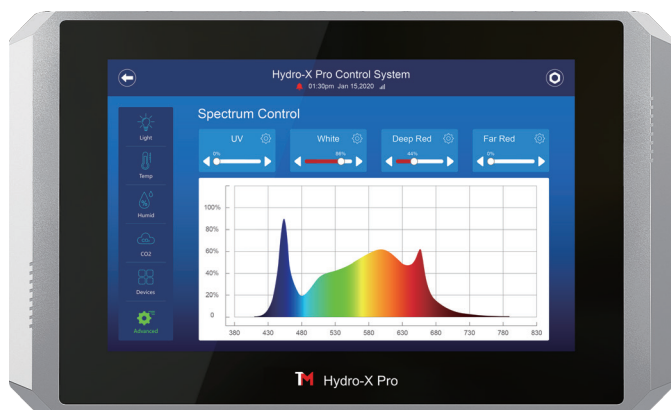
3. Connecting Controller (Optional)

The Model-I Plus is only compatible with TroIMaster Hydro-X control systems. Up to 256 fixtures can be controlled in the same daisy chain channel via a LMA-T adaptor.

While connecting to the original HCS-1 controller, the Full Spectrum channel and the Far Red channel can be controlled independently. This will allow the Far Red channel to be turned on for 10-15 mins after light off to help finishing the flowering cycle faster.



While connecting to the HCS-2 controller, same function can be achieved and an advanced spectrum tuning function is available for creating special light recipes.



◆ 5 YEARS LIMITED WARRANTY

ThinkGrow warrants its LEDs to be free from defects in materials and workmanship. The warranty term is for 5 years beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. The warranty liability extends only to the replacement cost of the product. ThinkGrow will not be liable for any consequential, indirect, or incidental damages of any kind, including lost revenues, lost profits, or other losses in connection with the product. Some states do not allow limitation on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. ThinkGrow will, at our discretion, repair or replace its products covered under this warranty if it is returned to the original place of purchase.



WARNING : DO NOT allow the MODEL-I Plus Fixture to be exposed to water or excessive heat. DO NOT open or attempt to repair/disassemble the Fixture, as there are no user-serviceable parts inside. Opening the Fixture will void the warranty.

If the surface of MODEL-I Plus is dirty, with a dry towel. The MODEL-I Plus operates under natural ventilation conditions.



AVERTISSEMENT: NE PAS laisser le luminaire MODEL-I Plus être exposé à l'eau ou à une chaleur excessive. NE PAS ouvrir ni tenter de réparer, démonter le luminaire, car il n'y a aucune pièce réparable par l'utilisateur à l'intérieur. L'ouverture de l'appareil annulera la garantie.

Si la surface du MODEL-I Plus est sale, avec une serviette sèche, le MODEL-I Plus fonctionne dans des conditions de ventilation naturelle.