ICL-300

120W 300° Light Angle Inner Canopy LED (4 Spectrum)

The ThinkGrow ICL-300 is a Light Angle Inner Canopy LED featuring 4 light spectrums and a built-in 120-Watt driver. ICL-300 revolutionizes high-density indoor growing. When applying light to plants only from above the plants, the leaves and sections of the plant below the top "canopy" of the plant suffer from low light levels. That is the exact problem the ICL-300 is designed to fix. The ICL-300 emits light in a 300-degree pattern so that when positioned below the canopy, the sections of the plant under the canopy can also get the light they need to produce higher quality and yields. By applying some light to the middle of the plant structure, the user can eliminate lower-quality flower formation and replace it with healthy flowers. The modular design of the ICL-300 allows it to be used in all installations regardless of the shape or size of the growing area.



Specifications

ICL-300

PPF

PPF	Up to 360 µmol/s

Efficacy

Efficacy	Up to 3.0 µmol/J

Input Power

Input Power	120W

Input Voltage

Input Voltage	100-277V~, 50/60Hz

Lifetime

Lifetime	L90 > 54,000 hrs

IP Water Resistance

IP	IP56

Warranty

Warranty	5 Years Standard Warranty

Working Environments

Temperature	32~104°F (0~40°C)
Humidity	≤90%RH

Package Dimensions

Size	47.8inch / 1214mm(L) x 3.19inch / 81mm(W) x 3.19inch / 81mm(H)
Weight	6.94lbs / 3.15kg

Package Contents

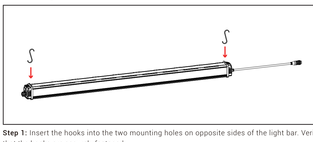
ICL-300 Inner Canopy LED Bar	1pc

Installation Guide

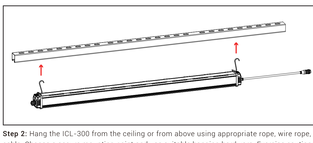
ICL-300

ICL-300 Installation Guide

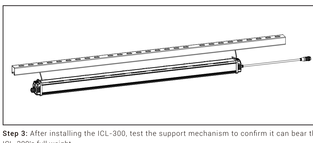
Option 1 - Hang the LED from Above



Step 1: Insert the hooks into the two mounting holes on opposite sides of the light bar. Verify that the hooks are securely fastened.

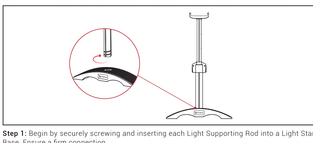


Step 2: Hang the ICL-300 from the ceiling or from above using appropriate rope, wire rope, or cable. Choose a secure mounting point and use suitable hanging hardware. Exercise caution to ensure proper positioning and secure fastening of the ICL-300.

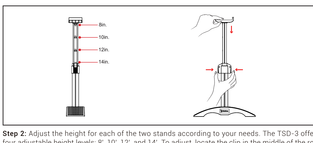


Step 3: After installing the ICL-300, test the support mechanism to confirm it can bear the ICL-300's full weight.

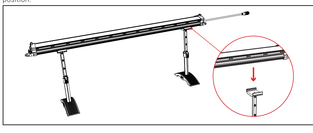
Option 2 - ThinkGrow TSD-3 ThinkGrow Vertical LED Stand (Sold Separately)



Step 1: Begin by securely screwing and inserting each Light Supporting Rod into a Light Stand Base. Ensure a firm connection.

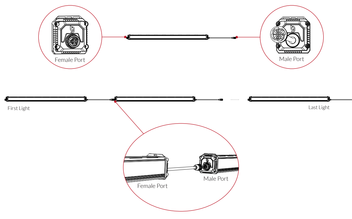


Step 2: Adjust the height for each of the two stands according to your needs. The TSD-3 offers four adjustable height levels: 8', 10', 12', and 14'. To adjust, locate the clip in the middle of the rod. Hold the clip to move the rod to the desired height, then release it to secure the rod in that position.



Step 3: Once the stands are at the desired height, carefully insert and lock the light fixture into place. Align the fixture with the top of each light stand and ensure it is securely attached to both the left and right stands.

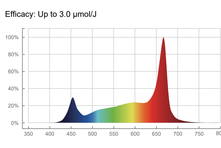
Daisy Chain



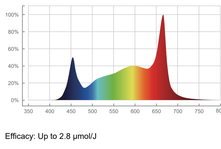
To daisy-chain multiple clone light bars, position the input of one fixture right next to the output of the next, connect and lock the input and output together.

SPECTRUM

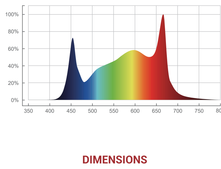
Efficacy: Up to 3.0 µmol/J



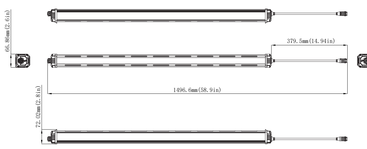
Efficacy: Up to 2.9 µmol/J



Efficacy: Up to 2.8 µmol/J



DIMENSIONS



© 2025 TrolMaster Agro Instruments Co., Ltd. All rights reserved.

Email: support@thinkgrow.com
Phone: 877-420-9876