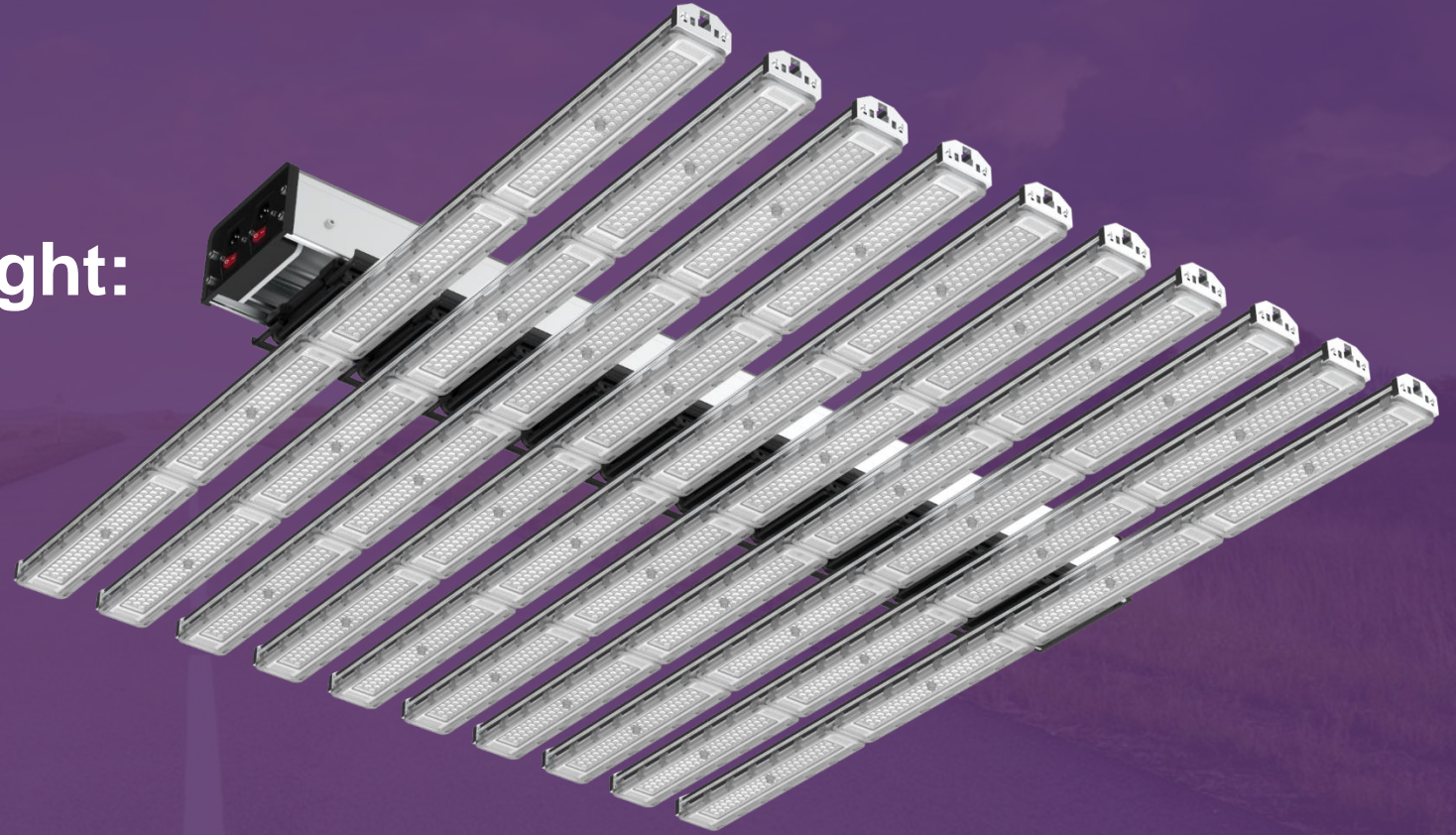


# FULL SPECTRUM Growlight: LED Growpower 640W

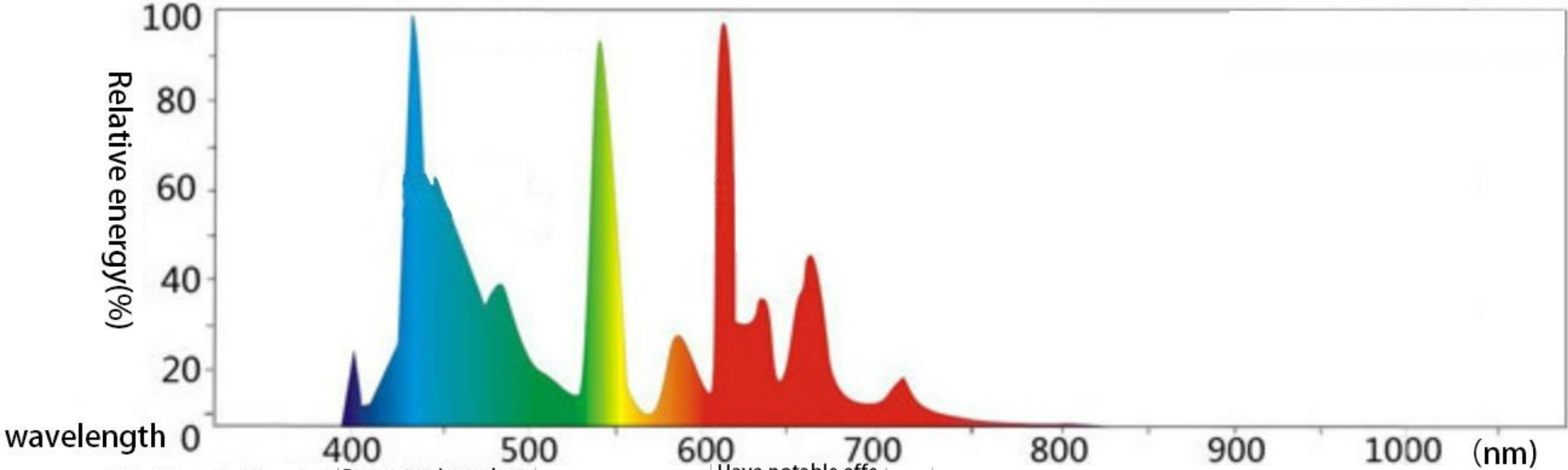


[www.growook.com](http://www.growook.com)

Phone:+86-0512-58920500

Email:sales@growook.com

# LED Growpower 640W



315-400nm Let the plant become shorter, leaves become fleshy, promote seedling. Below 280nm is harmful to plant growth, the plant will wither.

Promote plant photosynthesis. Chlorophyll and carotenoids absorb the largest percentage of blue light. If lack of blue light will make plant dwarf or yellow.

Less effect on photosynthesis, but provide nutrients for plants.

Have notable effect on photosynthesis and photoperiodic effects, can make plant grow fast, influencing seedling and flowering.

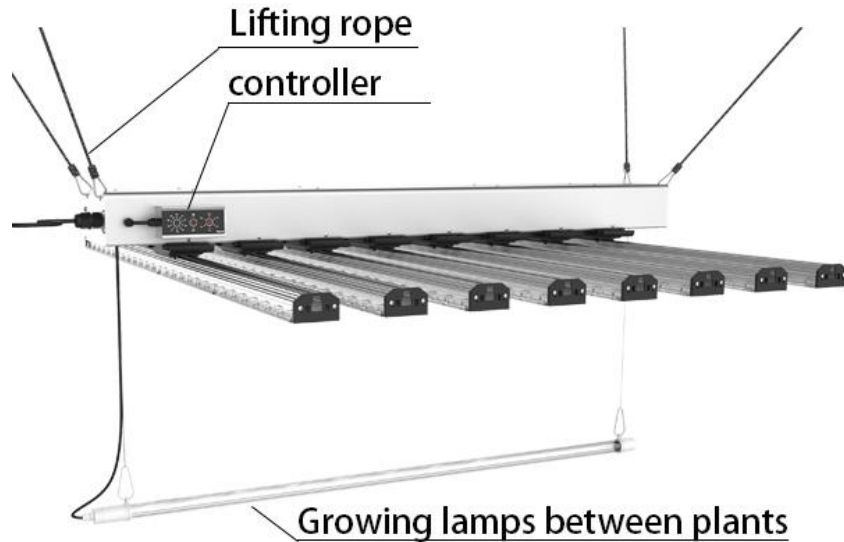
720 740

800nm less effect on photosynthesis, >1000nm convert into heat.

Influencing flowering and seedling, especially indoor or place without sunlight need this.



# LED Growpower 640W—Function



1. 640W Full spectrum and high-power grow light.
2. Power: 640W , PPF(max): 1730 $\mu$ mol/s, PPE:2.1-2.7  $\mu$ mol/J
3. Adjust the light intensity and lighting time by the controller (optional).
4. Beam angle :90°,enhancing 30% of PPFD on plants compared with the products of 120° beam angle. It can promote photosynthesis of plants and increase growth rate and yield.
5. PPFD $\geq$ 1380 $\mu$ mol/m<sup>2</sup>s@7.9"
6. Full spectrum led, the main wavelength contains 390nm, 450nm, 630nm, 660nm and 730nm. According to customer needs.
7. Sosen or meanwell driver, Samsung 、SSC or Customer-designated LEDs.
8. Provide light for herbs, fruits, vegetables, flowers and other heliophile to achieve normal photosynthesis of plants.
9. Provide light for Abel planting system and basement, plant tent, multi-layered planting medicinal plants.
10. Easy to install, the time to assemble one GROWPOWER TOP LED is 3 minutes, which is more than 10 times faster than the assembly of common modules.
11. Because it is convenient to replace the lamp, the red-blue ratio can be directly changed, and it is suitable for different plants and growing stages.
12. Growing lamp between plants (Optional), when plants becoming taller, using the LED Growlamp between plants can increase the yield of flowers and fruits in the middle part of the plant.

# LED Growpower 640W---PPFD

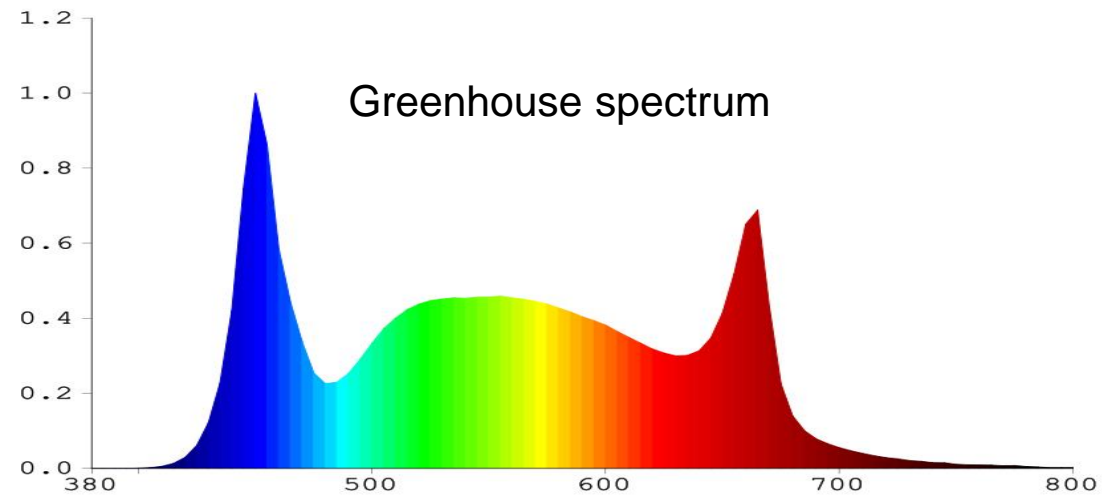
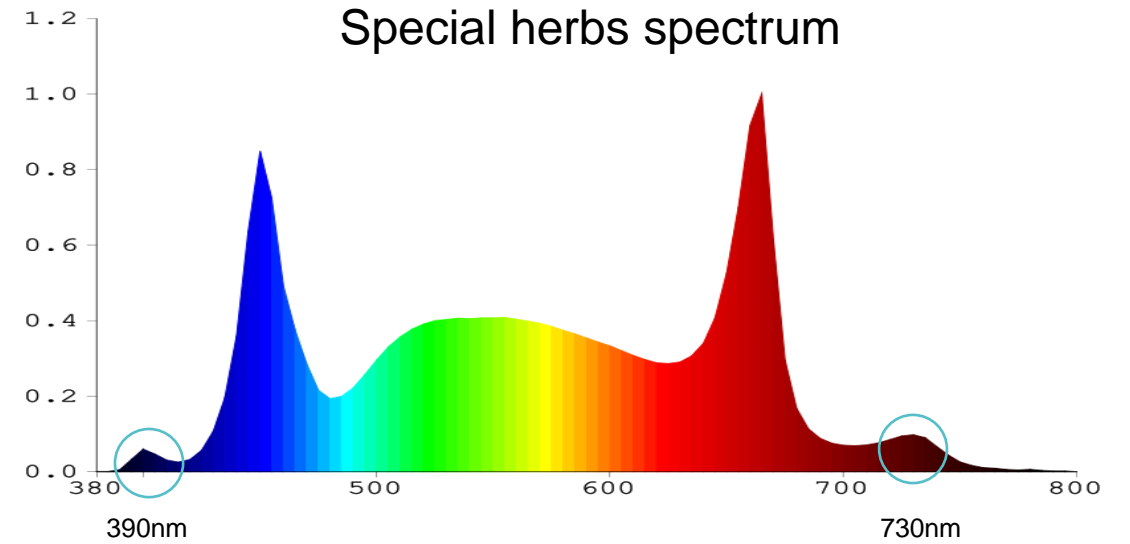
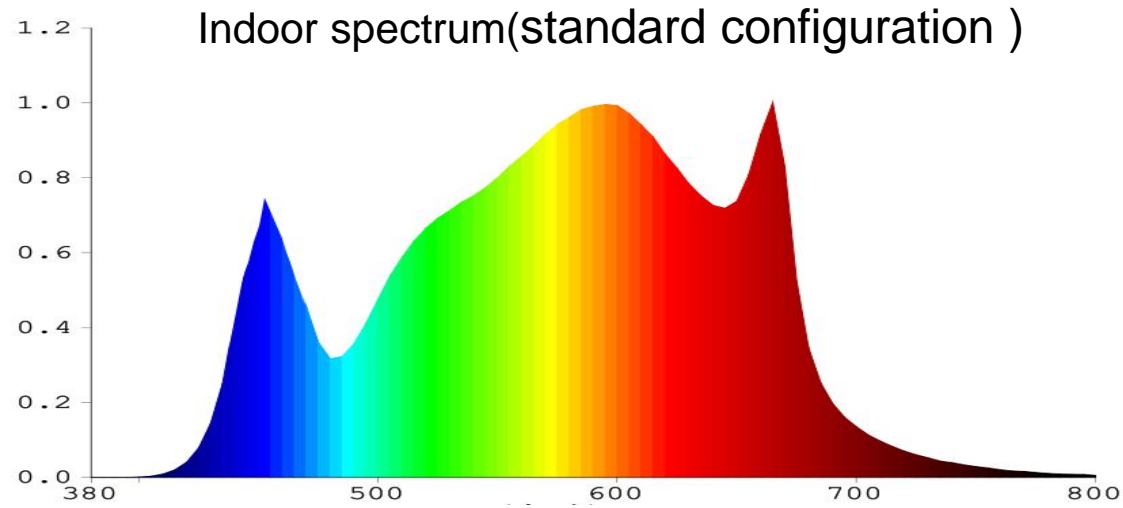
**PPFD@7.9" ( $\mu\text{mol}/\text{m}^2\text{s}$ )**

70	421	991	1024	1031	1031	1024	991	421	
52.5	436	1189	1260	1218	1218	1260	1189	436	
35	633	1304	1398	1334	1334	1389	1304	633	
17.5	456	1152	1291	1292	1292	1291	1152	456	
0	456	1152	1291	1292	1292	1291	1152	456	
17.5	456	1152	1291	1292	1292	1291	1152	456	
35	633	1304	1398	1334	1334	1389	1304	633	
52.5	436	1189	1260	1218	1218	1260	1189	436	
70	421	991	1024	1031	1031	1024	991	421	
cm	58	42	28	14	0	14	28	42	58

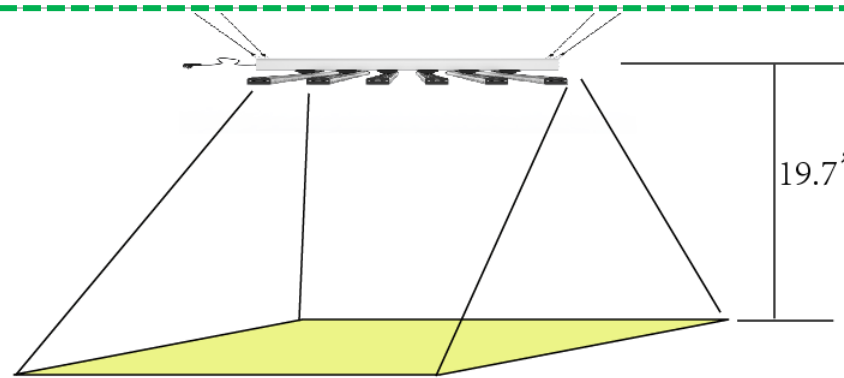
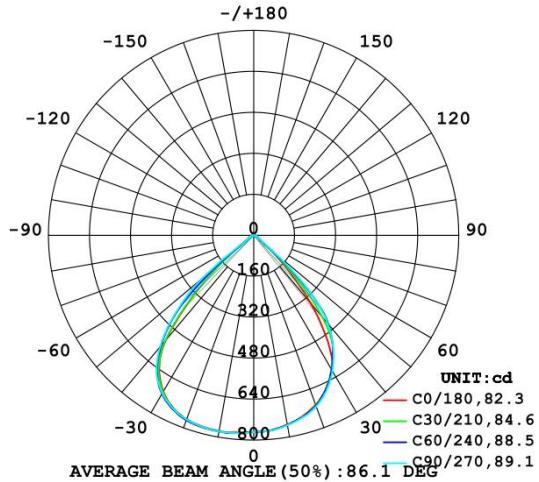
**PPFD@19.7" ( $\mu\text{mol}/\text{m}^2\text{s}$ )**

70	367	571	715	780	780	715	571	367	
52.5	470	746	951	1032	1032	951	746	470	
35	509	827	1039	1154	1154	1039	827	509	
17.5	491	800	1053	1180	1180	1053	800	491	
0	491	800	1053	1180	1180	1053	800	491	
17.5	491	800	1053	1180	1180	1053	800	491	
35	509	827	1039	1154	1154	1039	827	509	
52.5	470	746	951	1032	1032	951	746	470	
70	367	571	715	780	780	715	571	367	
cm	58	42	28	14	0	14	28	42	58

# LED Growpower 640W---Spectrum

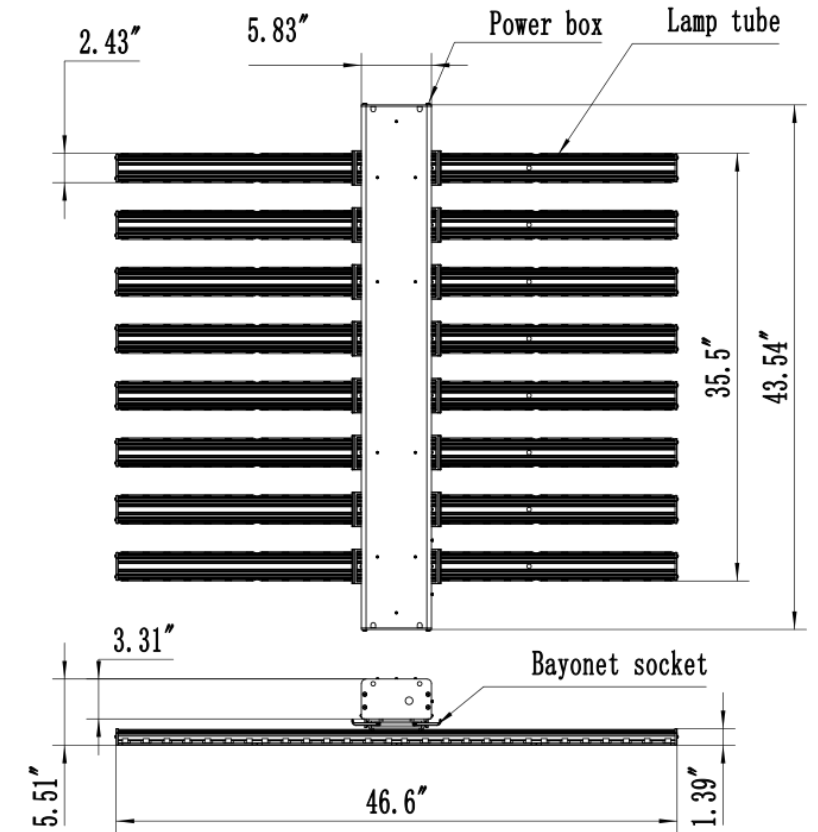


# LED Growpower 640W—Specification



Irradiation area: 5.2FT×4FT 90°  
5.7FT ×4.5FT 120°

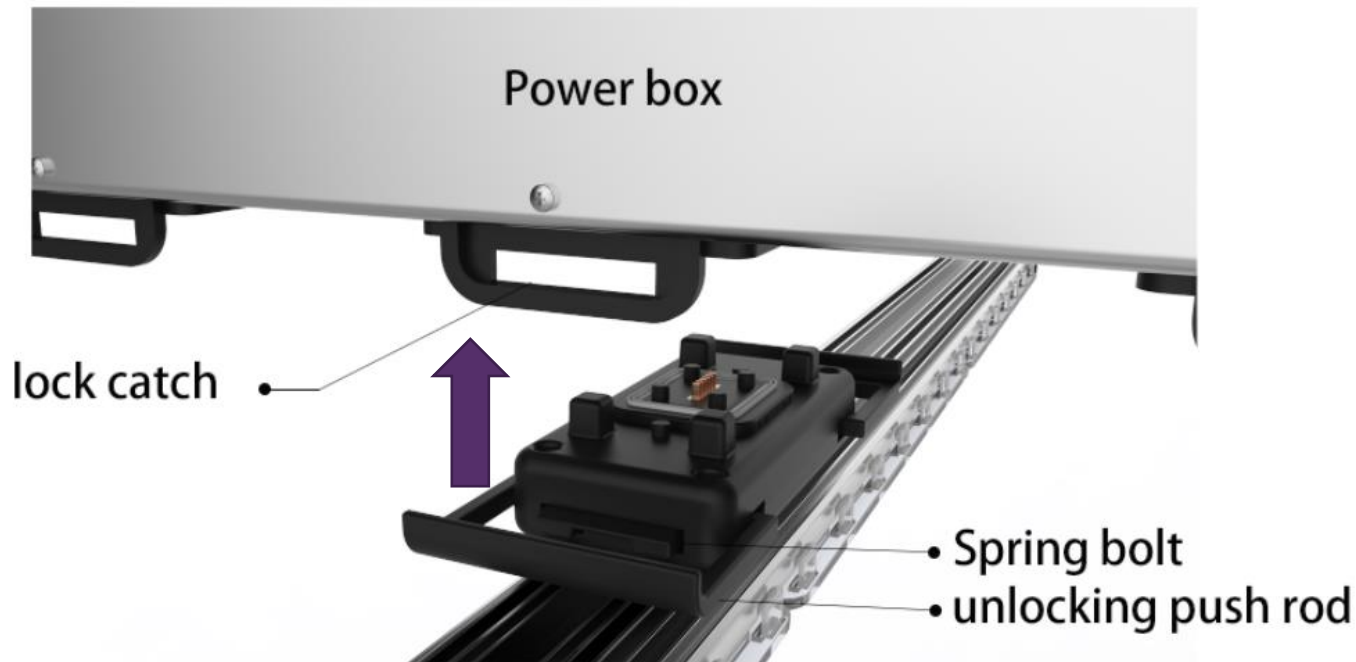
Product Name	LED GROWPOWER 640W	Beam angle	90° or 120°
PPF(max)	1730μmol/s	Main wavelength(select)	450、470、630、660、730nm
PPFD@7.9" (max)	≥1380(μmol/m²s)	Net weight	16.2kg
Input power	640W	Lifetime	L90: > 50,000hrs
PPE	2.1-2.7μmol/J	Power Factor	> 90%
Input voltage	100-277VAC	Working Temperature	-20°C—40°C
Fixture Dimensions	43.5" L x 46.6" W x 5.5" H	Certification	CE/FCC/ROHS/ETL
Mounting Height	≥5.5" (14cm)Above Canopy	Warranty	3yrs
Thermal Management	Passive	IP level	IP65
Dimming (Select)	0-10V , PWM	Tube QTY.	8PCS



Fixture Dimensions

# LED Growpower 640W

## Quick installation method :



1、 Patented design

2、 Pushing the Spring bolt into Lock catch, lock it. It is more than 10 times faster than screwing, which greatly shortens assembly time and saves labor.

3、 When the lamp is replaced, you only need to press the Unlocking push rod on both sides to remove the lamp.

4、 For different growing seasons of plants or types of plants, it is possible to change few lamp without changing the whole to realize different spectrum, which is convenient for the user and saves more cost.