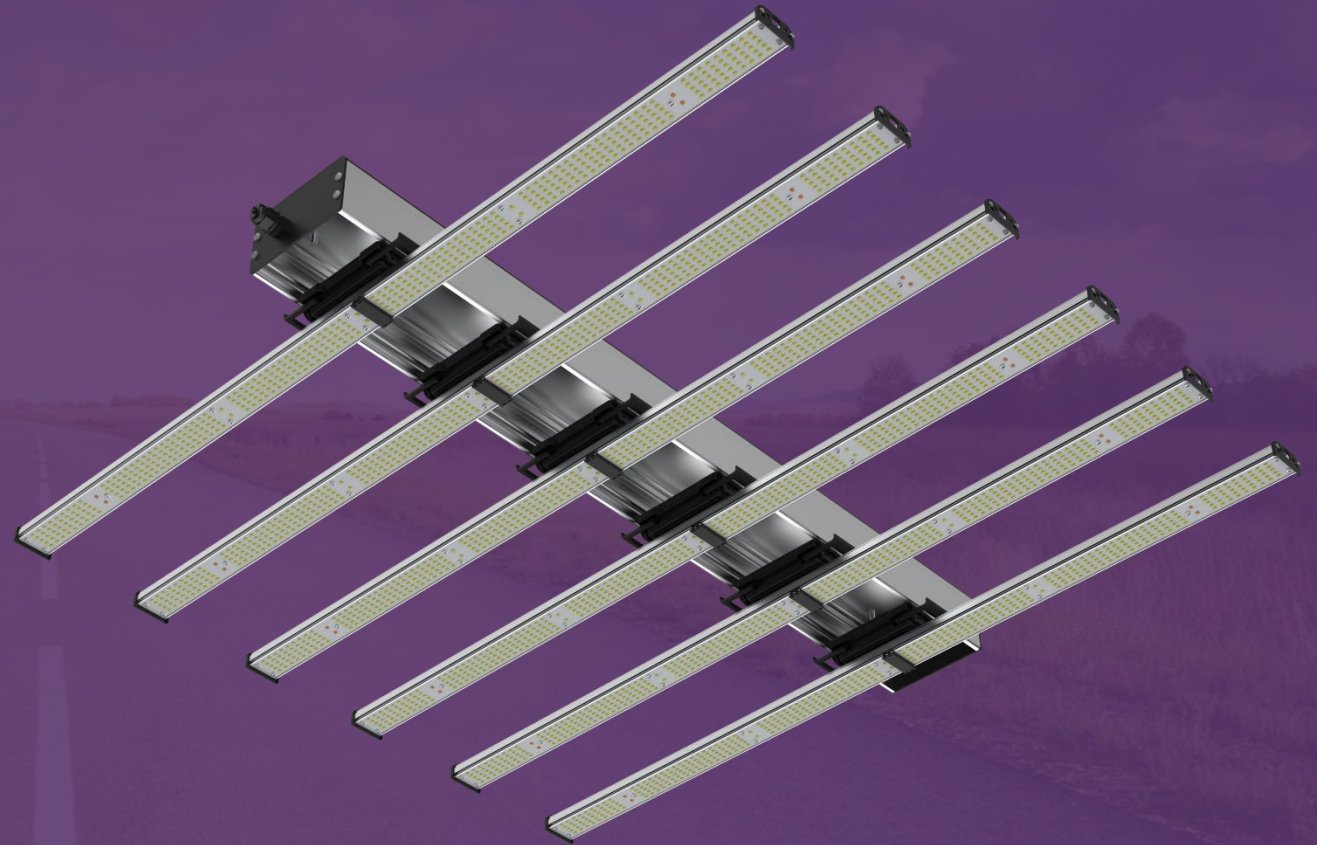


**FULL SPECTRUM Growlight:  
LED Growpower 640W-B**

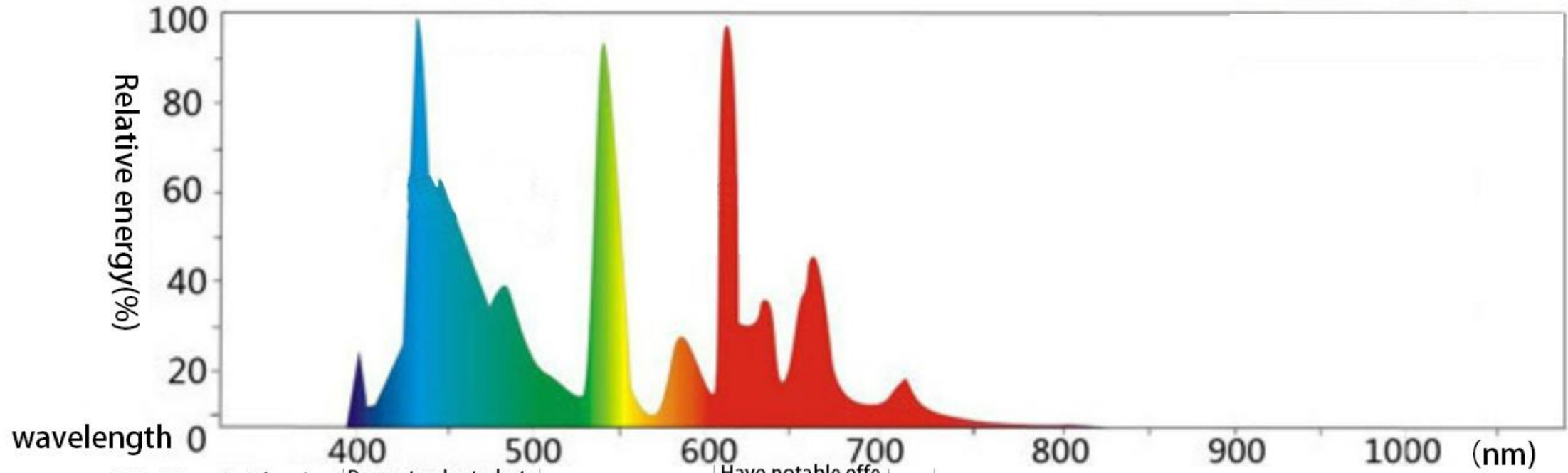


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Email:sales@growook.com

# LED Growpower 640W-B



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.

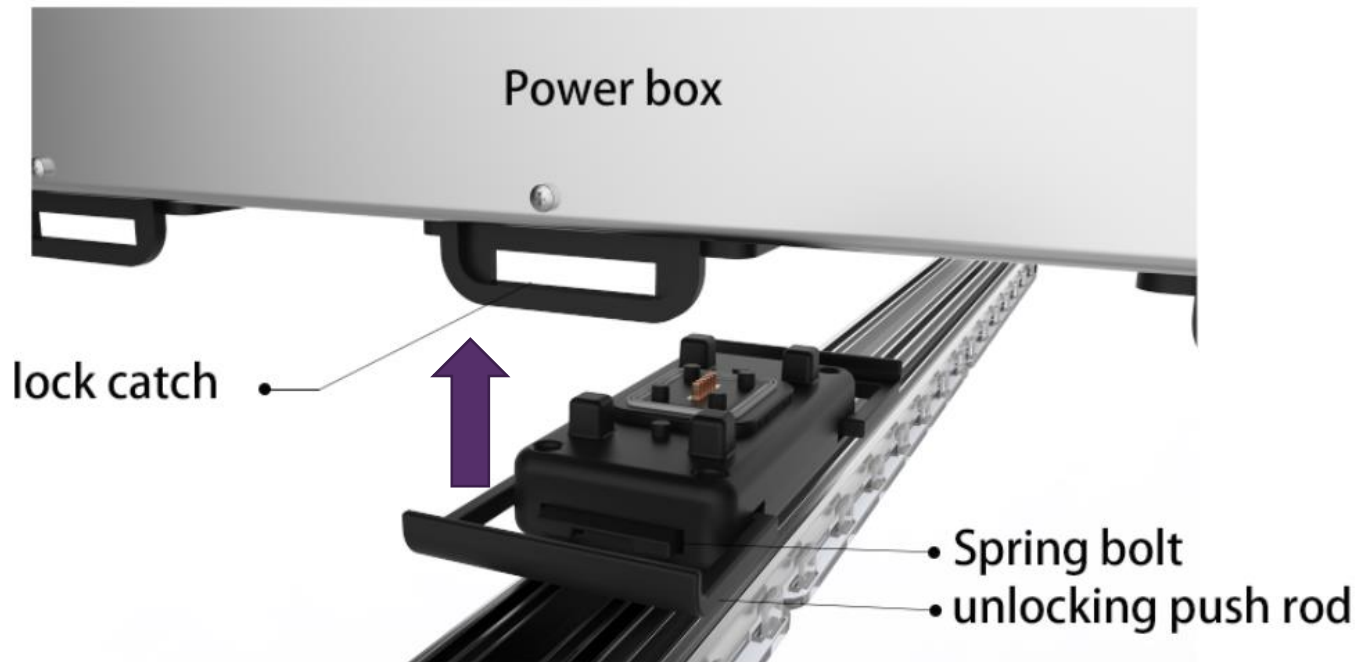
720 740

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

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

# LED Growpower 640W-B

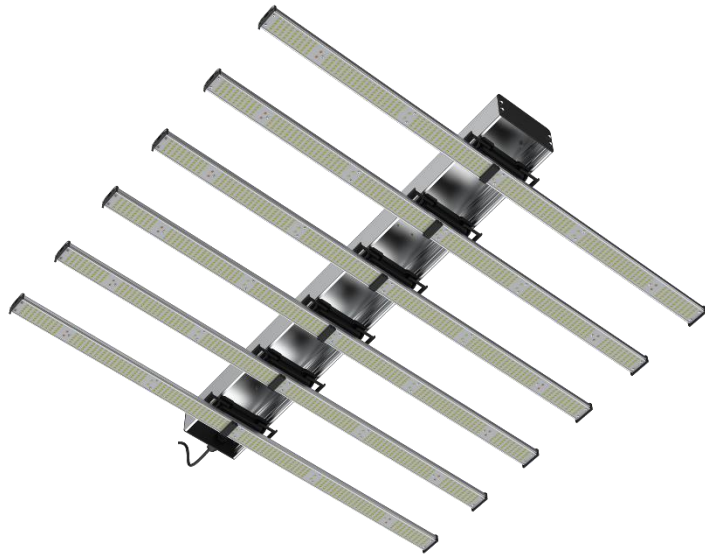
Quick installation method :



Patented design!

- 1、 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.
- 2、 When the lamp is replaced, you only need to press the Unlocking push rod on both sides to remove the lamp.
- 3、 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.

# LED Growpower 640W-B——Function



1. 640W Full spectrum and high-power grow light.
2. Power: 640W , PPF(max): 1792 $\mu$ mol/s, PPE:2.7-2.8  $\mu$ mol/J
3. Adjust the light intensity and lighting time by the controller (optional).
4. Beam angle :120°.
5. PPFD $\geq$ 1480 $\mu$ mol/m<sup>2</sup>s@7.9”
6. Full spectrum led, the main wavelength contains 450nm, 630nm, 660nm. According to customer needs, we can add 730nm infrared light and 395nm ultraviolet light tubes.
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-B—PPFD

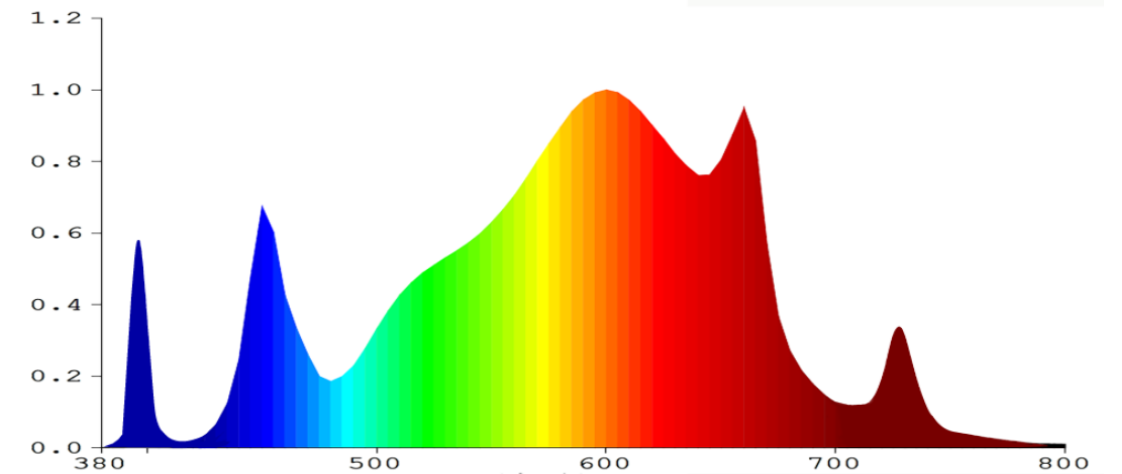
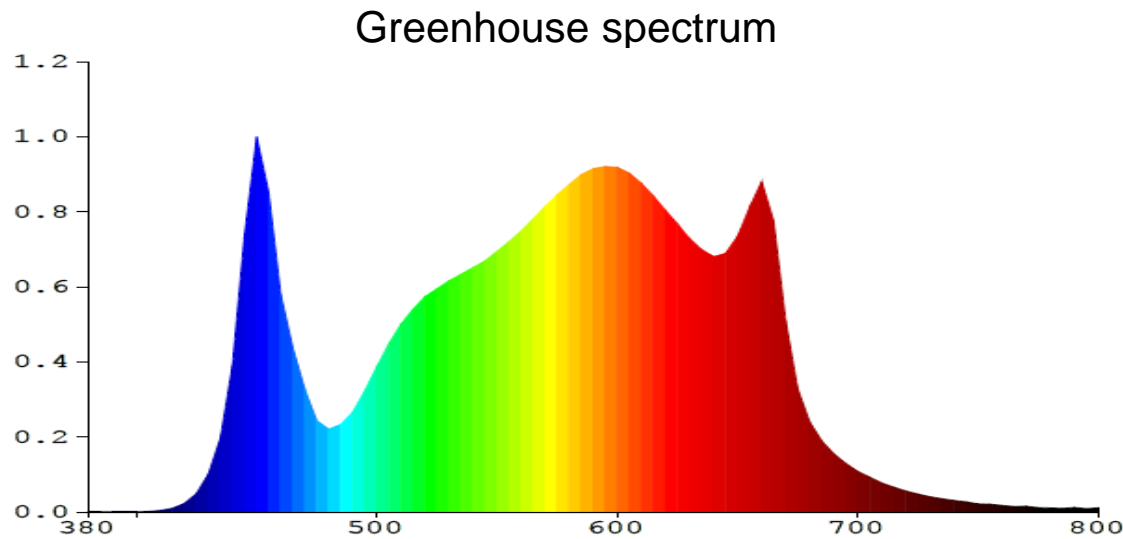
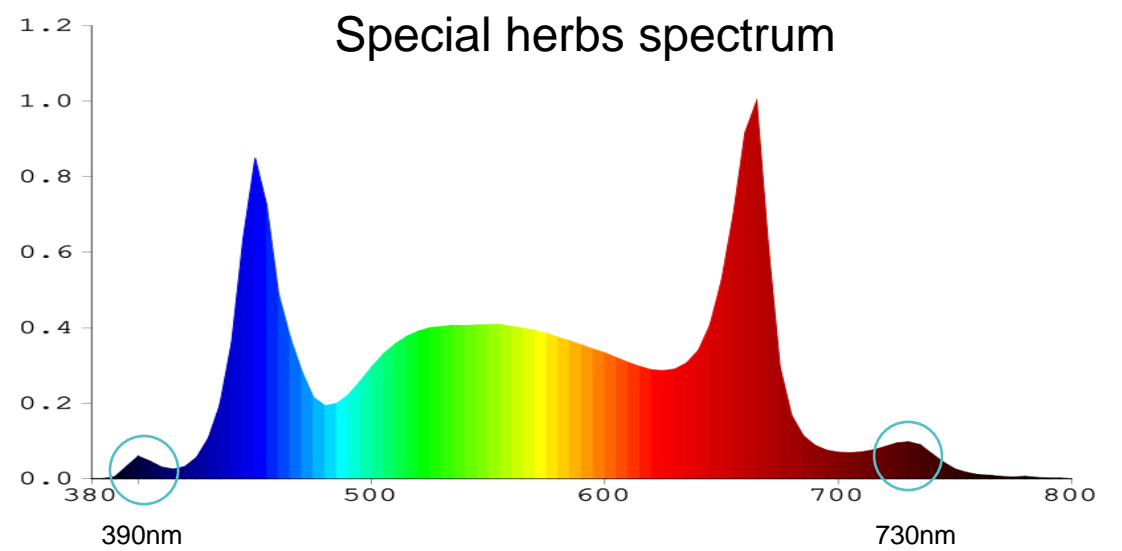
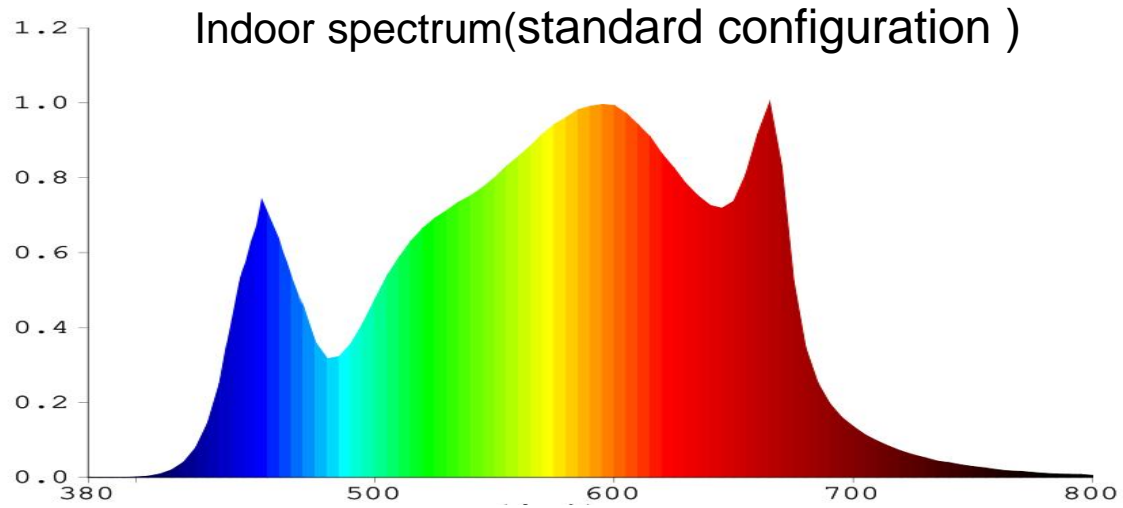
PPFD@7.9" ( $\mu\text{mol}/\text{m}^2\text{s}$ )

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 882  | 973  | 1012 | 1010 | 990  | 950  | 860  |
| 991  | 1292 | 1342 | 1360 | 1340 | 1290 | 990  |
| 1091 | 1300 | 1471 | 1470 | 1470 | 1300 | 1090 |
| 1093 | 1301 | 1472 | 1480 | 1470 | 1300 | 1090 |
| 1091 | 1300 | 1471 | 1470 | 1470 | 1300 | 1090 |
| 991  | 1292 | 1342 | 1360 | 1340 | 1290 | 990  |
| 882  | 973  | 1012 | 1010 | 990  | 950  | 860  |

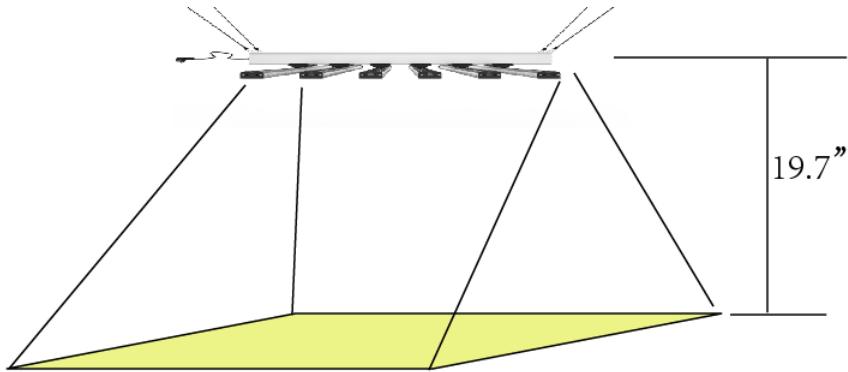
PPFD@19.7" ( $\mu\text{mol}/\text{m}^2\text{s}$ )

|     |     |      |      |     |     |     |
|-----|-----|------|------|-----|-----|-----|
| 658 | 667 | 685  | 695  | 685 | 666 | 655 |
| 690 | 866 | 905  | 910  | 901 | 872 | 688 |
| 877 | 784 | 993  | 990  | 963 | 876 | 710 |
| 733 | 981 | 1012 | 1010 | 98  | 880 | 730 |
| 877 | 784 | 993  | 990  | 963 | 876 | 710 |
| 690 | 866 | 905  | 910  | 901 | 872 | 688 |
| 658 | 667 | 685  | 695  | 685 | 666 | 655 |

# LED Growpower 640W---Spectrum

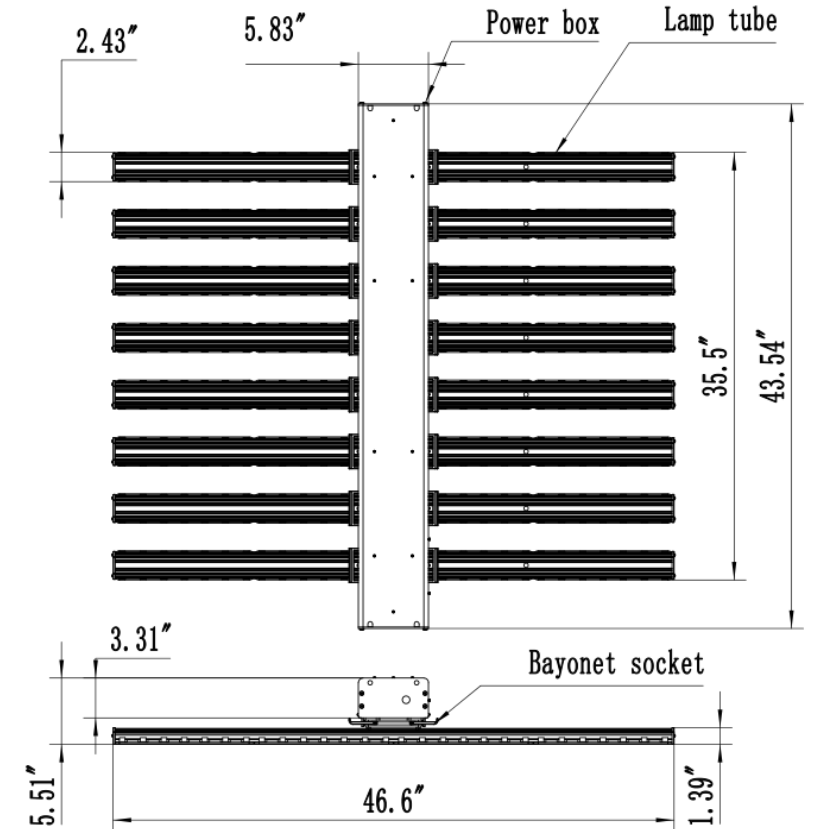


# LED Growpower 640W—Specification



Irradiation area:  
5.7FT × 4.5FT 120°

|                    |  |                         |                       |
|--------------------|--|-------------------------|-----------------------|
| Product Name       | LED GROWPOWER 640W B                     | Beam angle              | 120°                  |
| PPF(max)           | 1792 $\mu$ mol/s                         | Main wavelength(select) | 450、470、630、660、730nm |
| PPFD@7.9" (max)    | $\geq$ 1480( $\mu$ mol/m <sup>2</sup> s) | Net weight              | 14.2kg                |
| Input power        | 640W                                     | Lifetime                | L90: > 50,000hrs      |
| PPE                | 2.7-2.8 $\mu$ mol/J                      | Power Factor            | > 93%                 |
| 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    | $\geq$ 5.5" (14cm)Above Canopy           | Warranty                | 3yrs                  |
| Thermal Management | Passive                                  | IP level                | IP65                  |
| Dimming (Select)   | 0-10V , PWM                              | Tube QTY.               | 6PCS                  |



Fixture Dimensions