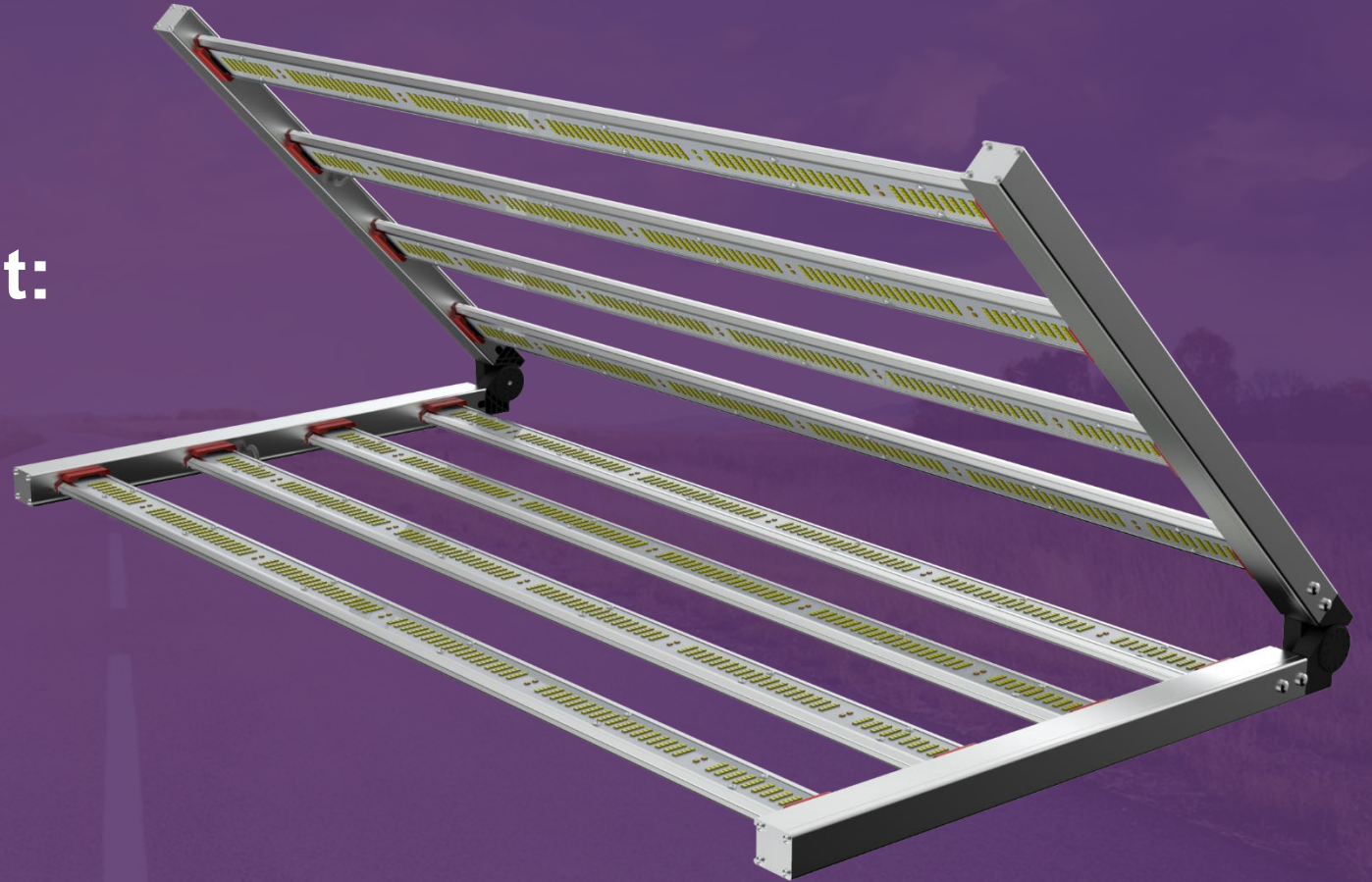
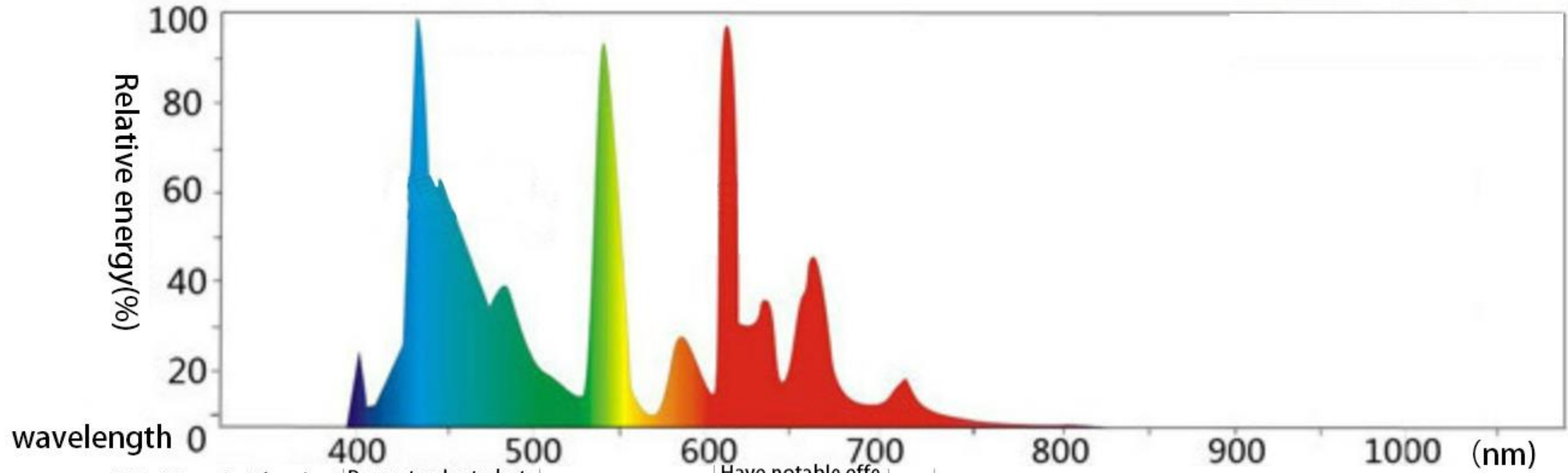


**FULL SPECTRUM Growlight:
LED GrowEight 640W**



LED GrowEight 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 GrowEight 640W—Function



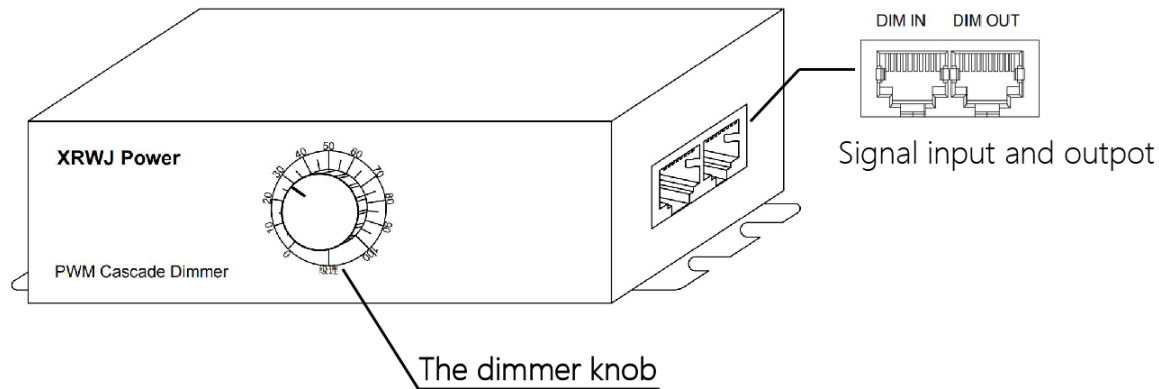
1. Power: 640W Full spectrum and high-power grow light.
2. Power: 640W , PPF(max):1730 $\mu\text{mol/s}$, PPE:2.7-2.8 $\mu\text{mol/J}$
3. Adjust the light intensity and lighting time by the controller (optional).
4. Beam angle :120°。
5. PPF \geq 1100 $\mu\text{mol/m}^2\text{s}$ @7.9”
6. Full spectrum led, the main wavelength contains 450nm, 630nm, 660nm. 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, it only takes 2 minutes to install the light.

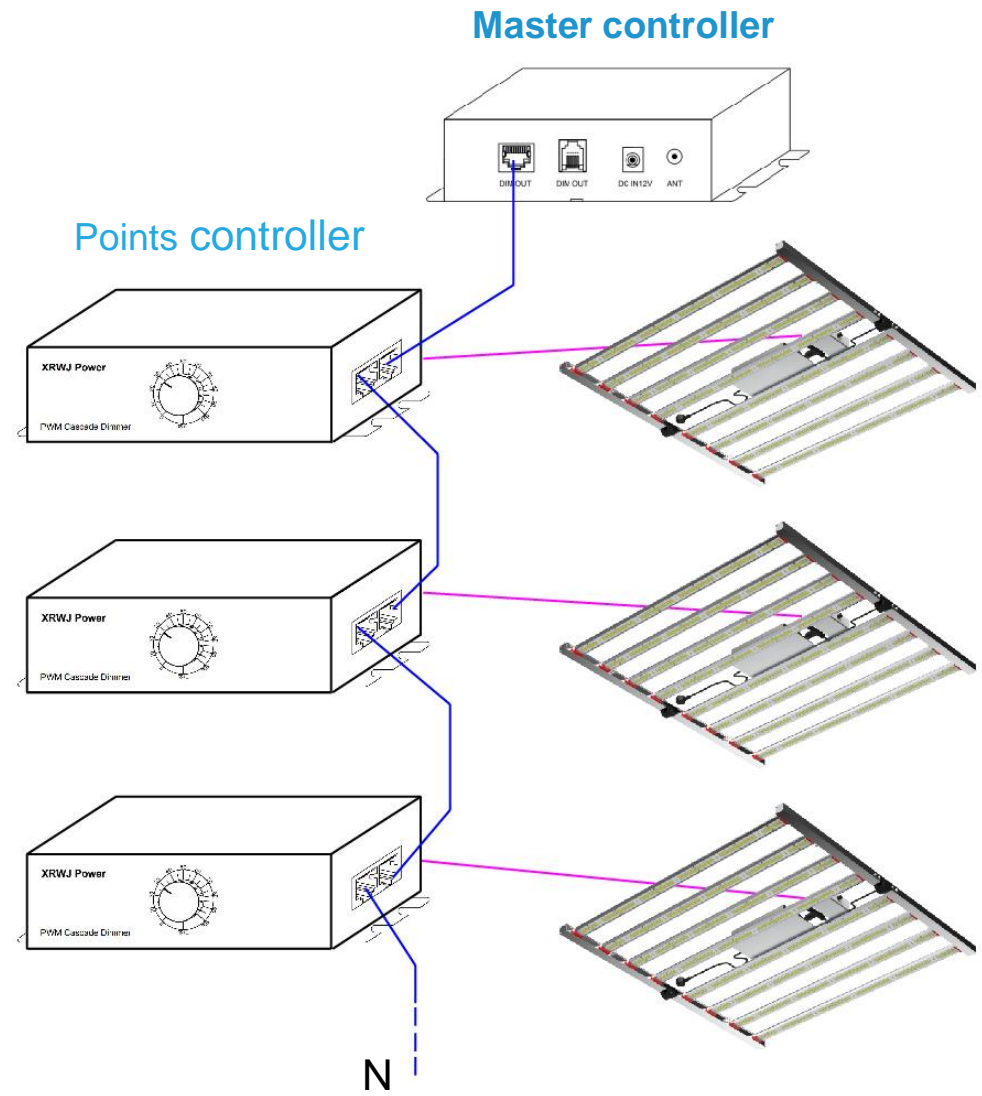
11. According to the need, we can add 730nm infrared light and 395nm ultraviolet light tubes.

12. With a controller, you can manually adjust the light intensity. When multiple controllers are connected, you can also adjust the lighting cycle and intensity through an external controller.

LED GrowEight 640W—Control



This product is a lamp controller, the output is PWM signal (can control products with PWM, 0-10V, resistance and other control signals), it can be controlled by APP or knob, and the supporting gateway can also be remotely controlled with unlimited timing. No longer limited to space and distance.



LED GrowEight 640W---PPFD

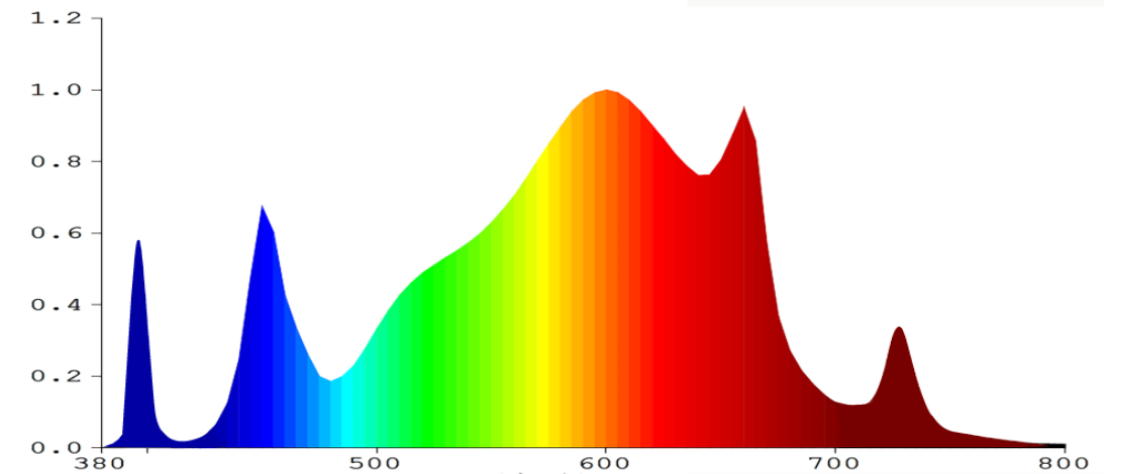
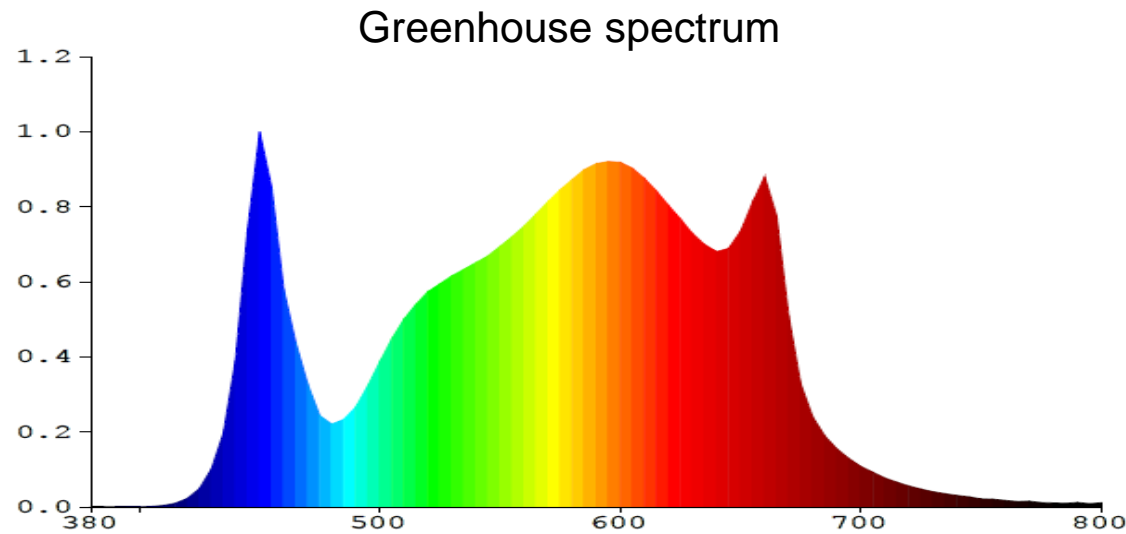
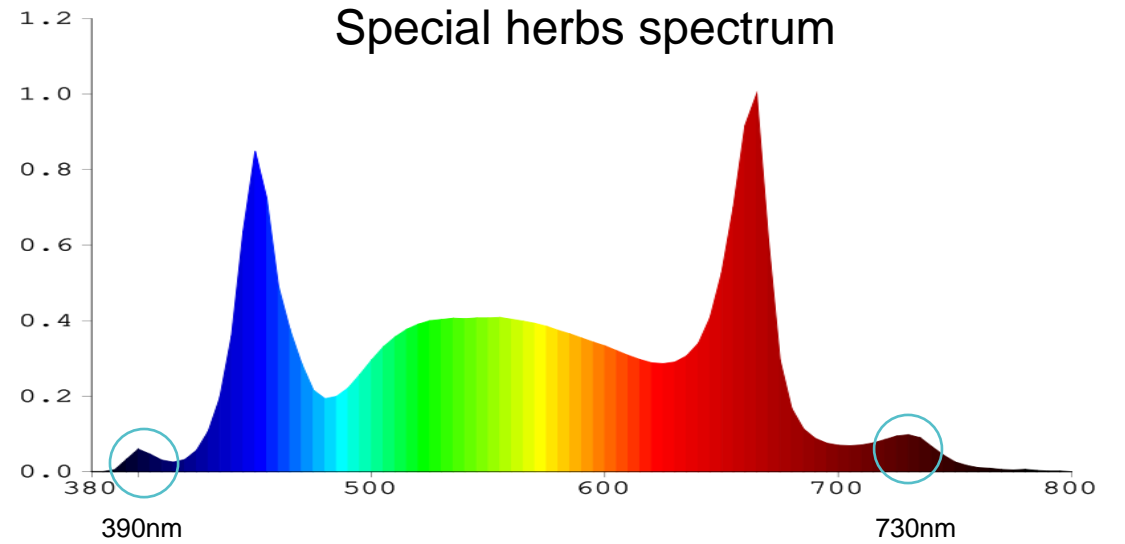
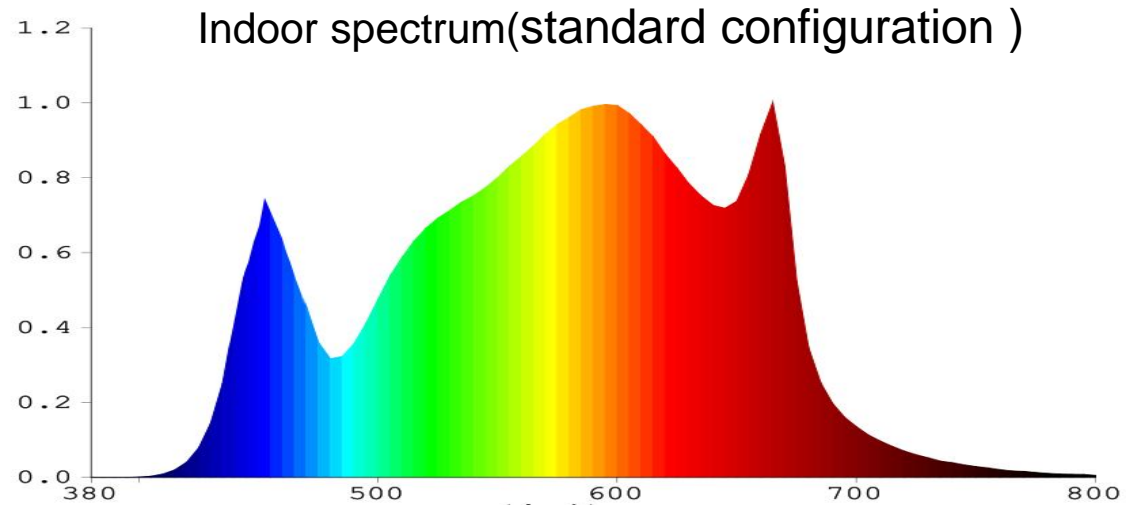
PPFD@7.9" ($\mu\text{mol}/\text{m}^2\text{s}$)

902	993	1032	1050	1030	990	900
1011	1312	1362	1400	1360	1310	1010
1101	1320	1491	1490	1490	1320	1100
1113	1321	1492	1510	1490	1320	1110
1101	1320	1491	1490	1490	1320	1100
1011	1312	1362	1400	1360	1310	1010
902	993	1032	1050	1030	990	900

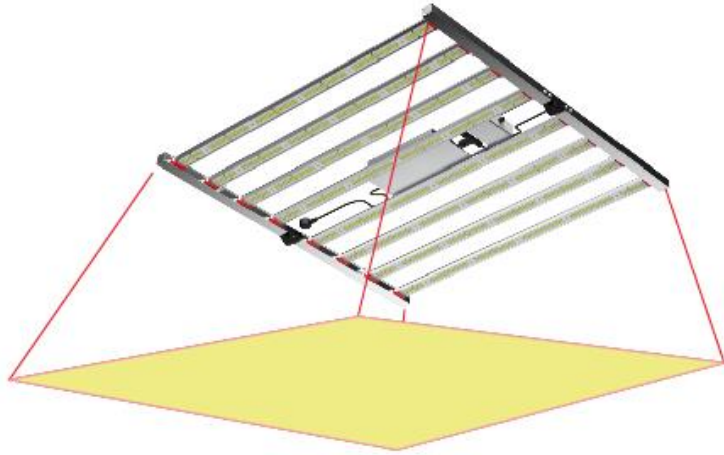
PPFD@19.7" ($\mu\text{mol}/\text{m}^2\text{s}$)

668	677	695	705	695	676	665
700	876	915	920	911	872	698
887	794	1003	1000	973	886	730
743	991	1022	1020	990	890	740
887	794	1003	1000	973	886	730
700	876	915	920	911	872	698
668	677	695	705	695	676	665

LED GrowEight 640W---Spectrum



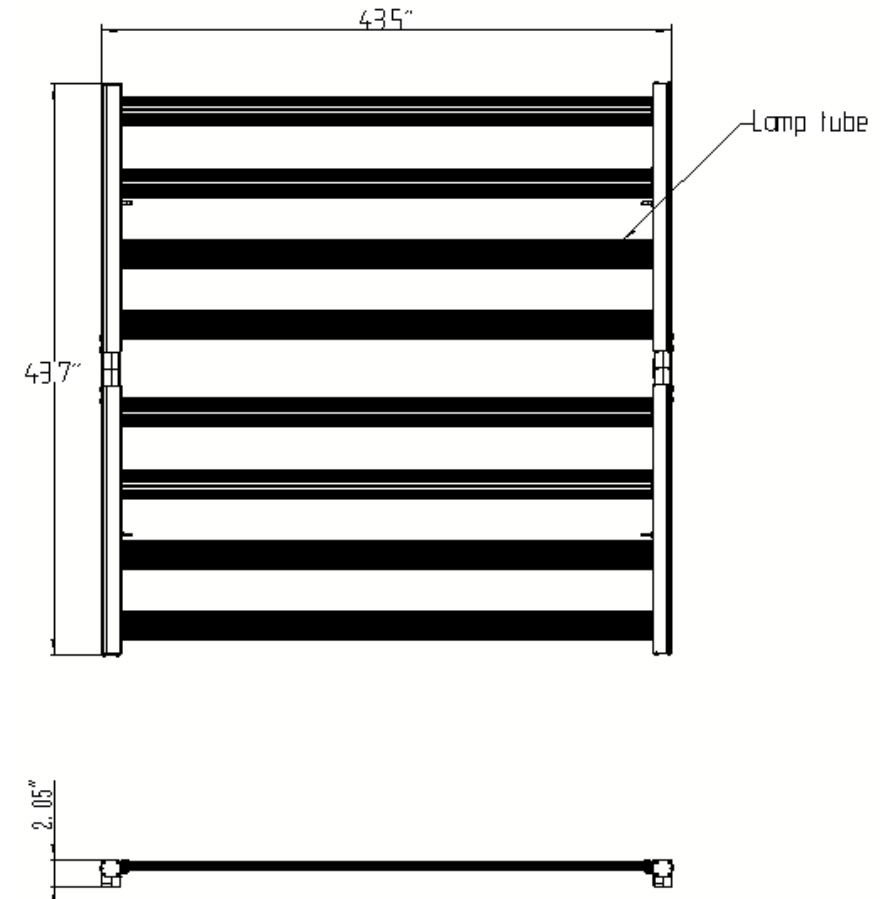
LED GrowEight 640W—Specification



Irradiation area: H=19.7"

5.7FT × 4.5FT

Product Name	LED GrowEight 640W	Beam angle	120°
PPF	1728 μ mol/s	Main wavelength(select)	450、470、630、660nm
PPFD@20" (max)	\geq 560(μ mol/m ² s)	Net weight	13.2kg
Input power	640W	Lifetime	L90: > 50,000hrs
PPE	2.7 μ mol/J	Power Factor	> 93%
Input voltage	100-277VAC	Working Temperature	-20°C—40°C
Fixture Dimensions	43.7" L x 43.5" W x 2.2" H	Certification	CE/FCC/ROHS/ETL
Mounting Height	\geq 5.5" (14cm)Above Canopy	Warranty	5yrs
Thermal Management	Passive	IP level	IP65
Dimming (Select)	0-10V	Tube QTY.	6PCS



Fixture Dimensions