



SP-650W

LED Grow Light



SP-650W LED grow light is designed for greenhouse supplemental lighting with linear lay out on top ceiling, long lifespan for its IP 67 waterproof and patented unibody heat-sink design, it perfectly matching with our wireless controller TSC-2 in centrally management.

FEATURES

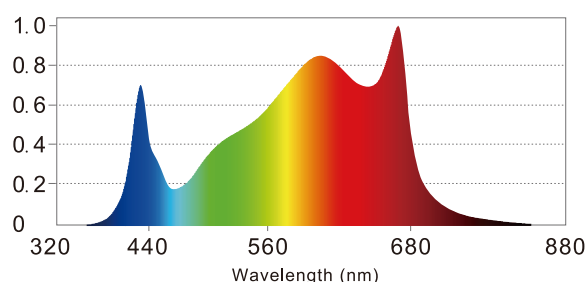
- WiFi mesh technology, perfectly compatible with our wireless controller TSC-2, centrally management for large scale of greenhouse growing;
- IP 67 for long time working in damp environment;
- Patented unibody heat-sink design, greatly improves the heat dissipation capability;
- High and efficacy diodes make it spread powerful PPF/D over 6FT×4FT grow area;
- Optimum full spectrum F1 for whole grow cycle;
- Slim and compact design contribute to a reduced shadow on plants, perfect for greenhouse supplemental lighting;
- Quick and Easy installation to save much time and labor cost;
- 5 Years warranty.

SPECIFICATIONS

Model	SP-650W
AC Input Power	650 W
Efficacy	2.8 $\mu\text{mol}/\text{J}$ @ 277 V AC
Light Output PPF	1820 $\mu\text{mol}/\text{s}$
Dimensions	47.64" x 5.38" x 8.07" L - 1210 x W - 136.7 x H - 204.9 mm
Net Weight	27.18 lb / 12.33 kg
Spectrum	F1
AC Input Voltage	120-277 V AC, 50/60 Hz
AC Current	6.7 A (@ 120 V AC) 3.1 A (@ 240 V AC) 2.7 A (@ 277 V AC)
Power Factor	≥ 0.9
Thermal Management	Passive
Max. Ambient Temperature	104 °F / 40 °C
Dimming	0-10 V Dimmable
Total Harmonic Distortion (THD)	$\leq 25\%$
Lifespan Warranty	> 50,000 hours 5 Year Standard Warranty
Certificates	ETL, DLC, FCC, CE

SPECTRUM

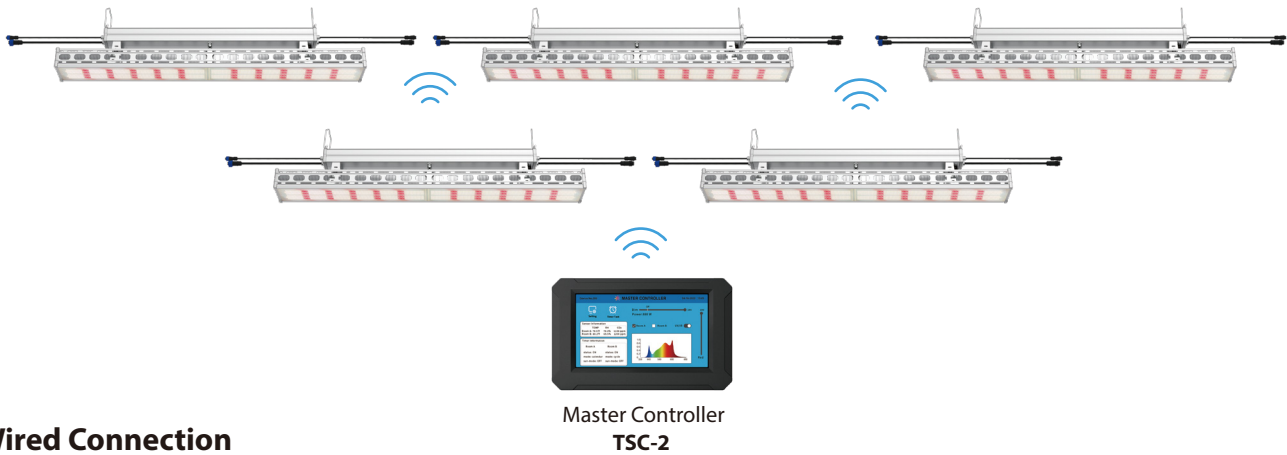
F1 Spectrum



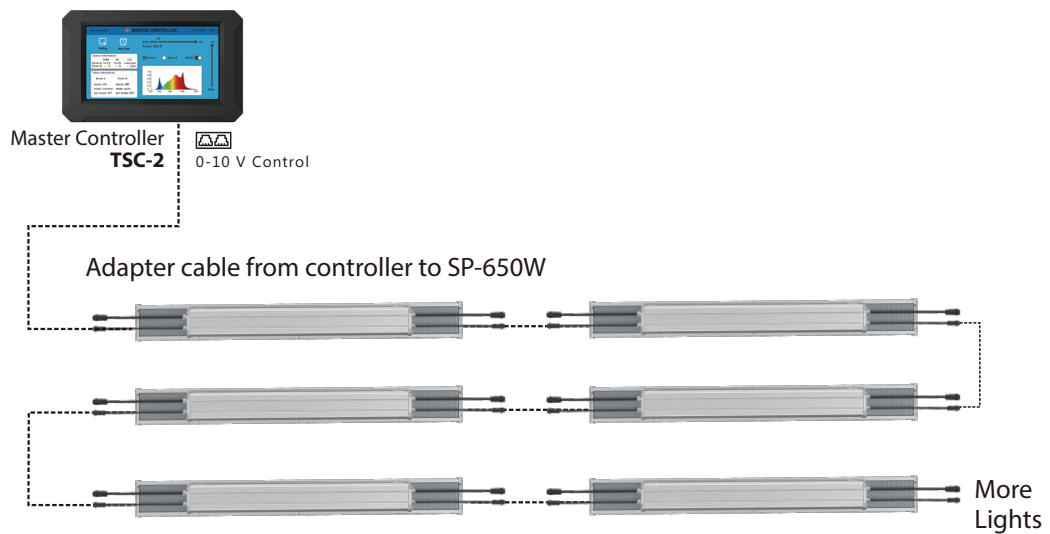
CONTROL METHOD

We strongly encourage you to use our Master Controller TSC-2 for wireless or wired connection in large scale of growing, the Master Controller TSC-2 is an essential part for lighting and controlling the SP-650W. Press the silvery button under the power box 2 seconds for resetting.

Wireless Connection



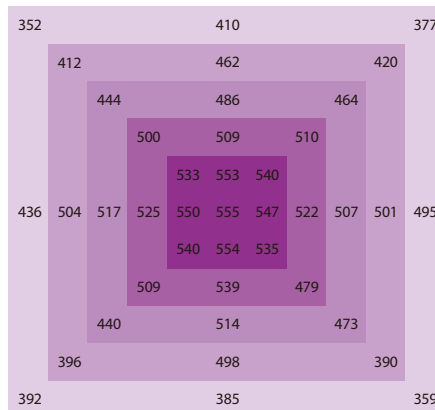
Wired Connection



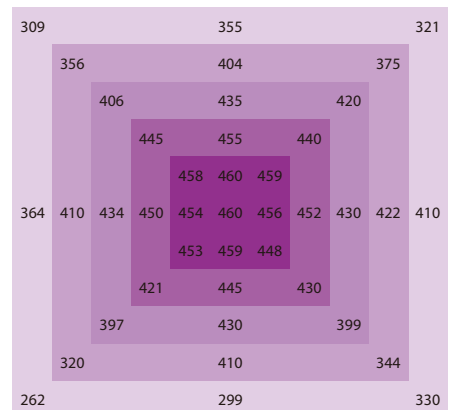
PPFD (PAR CHART)



SP-650W 5x5FT
36"/914 mm Height

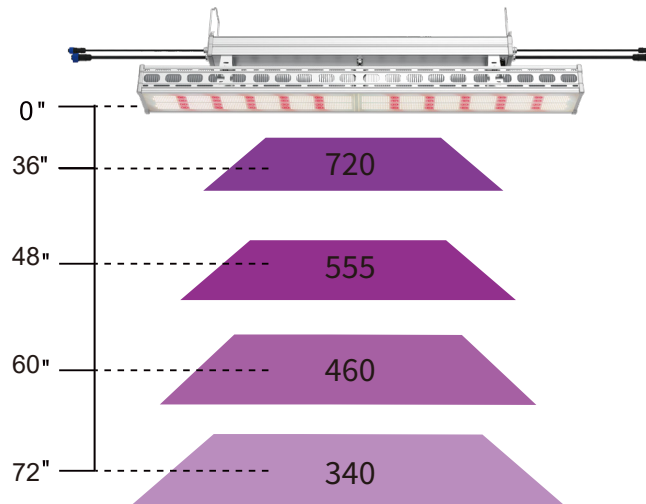


SP-650W 5x5FT
48"/1219 mm Height



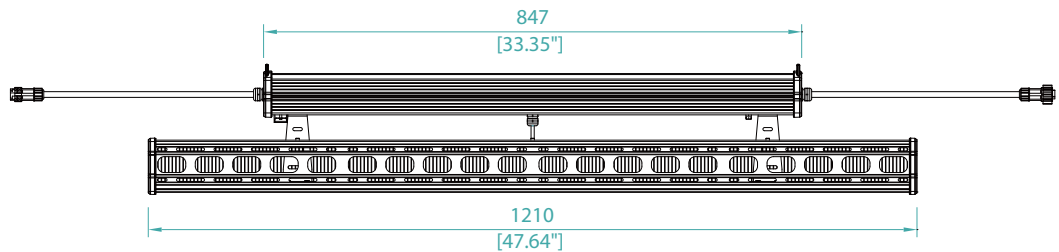
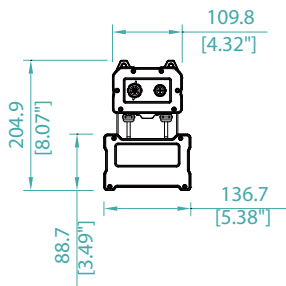
SP-650W 5x5FT
60"/1524 mm Height

PAR VALUE ($\mu\text{mol}/\text{m}^2/\text{s}$)



SP-650W

DIMENSIONS & PACKAGING



CONTENTS

- A. 1 LED Grow Light
- B. 2 Stainless Steel Hanging Kits
- C. 1 Power Cord (6 ft / 180 cm)
- D. 1 Power Adapter
- E. 1 User Manual



A



B

C

Model No.	SP-650W
Master carton	51.38" x 7.48" x 10.83" L-1305 x W-190 x H-275
G.W	33.7 lbs / 15.3 kg



D



E