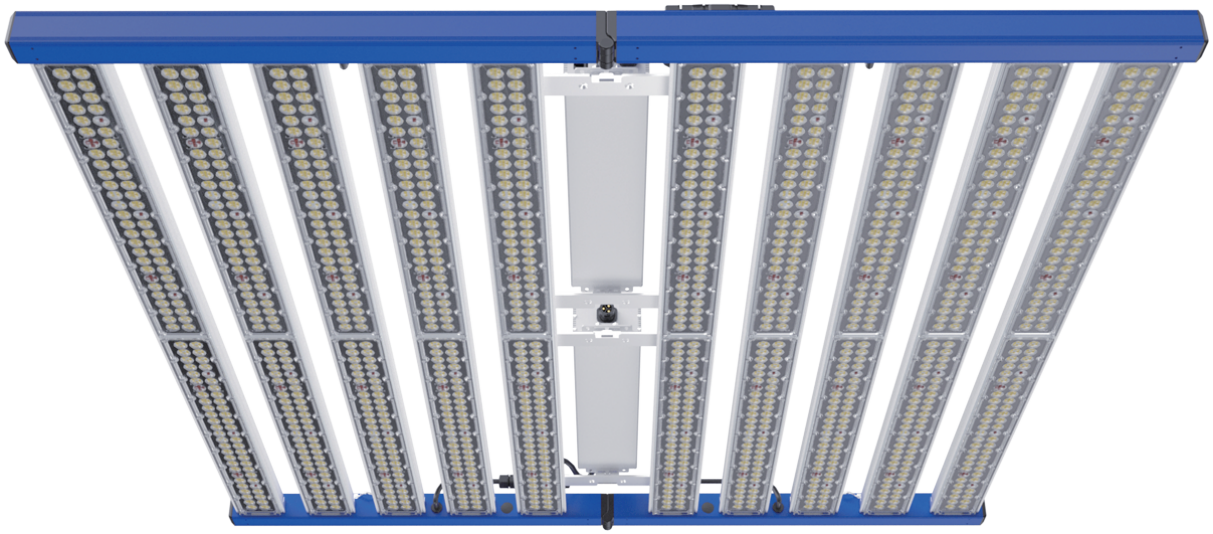
Caution:

Do not burn sulfur or other sulfur-containing materials near the fixture.

Avoid exposing the LED fixture to corrosive gases (VOCs) or reactive substances, such as sulfide or sulfur-based sprays, vaporizers or misters, chlorine-based cleaners applied directly to the fixture, or other halogen compounds.

If chlorine-based agents are used for general room cleaning, ensure the fixture is powered off, not directly exposed, and that the room is well ventilated before turning the fixture back on.

TARANTULA BORG EVOLUTION ULTRA



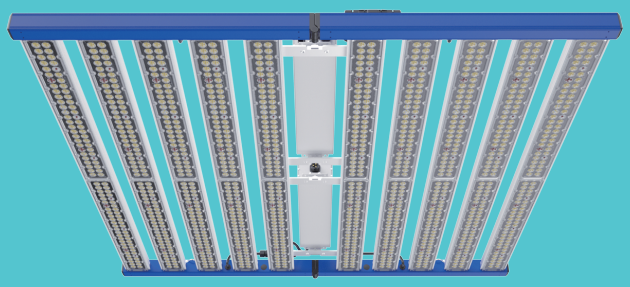
Intertek 5022589

RoHS

IP 66

Grand Master Leds

www.grandmasterleds.com



TARANTULA BORG EVOLUTION ULTRA

HIGH EFFICIENCY

POWER SAVING

ADJUSTABLE SPECTRUM

TARANTULA BORG EVOLUTION ULTRA

- Manual Knob Dimming + RJ Port Dimming
- Folding Design for Fast and Easy Installation
- Adjustable Spectrum
- 5-Year Warranty
- IP 66 Waterproof
- Input Voltage: 120-277Vac

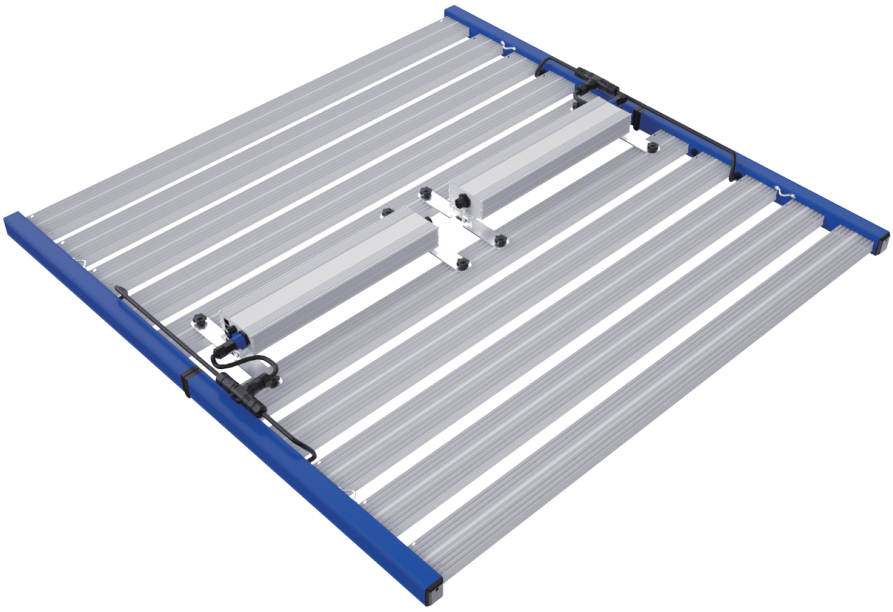
Specifications

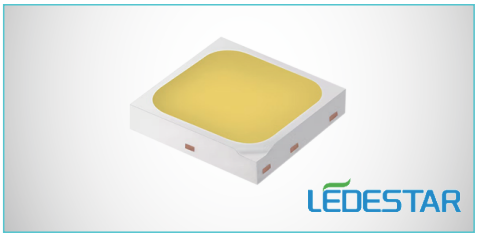
Model Name	TARANTULA BORG EVOLUTION ULTRA		
Input Voltage	120 Vac	240 Vac	277 Vac
Typical Input Current	13.5 Amps	6.9 Amps	6 Amps
Power Factor	0.99	0.95	0.95
Wattage +/- 5%	1600W 714W+714W+102W+70W	1570W 700W+700W+100W+70W	1570W 700W+700W+100W+70W
Qty. of Light Bars	10 Bars	10 Bars	10 Bars

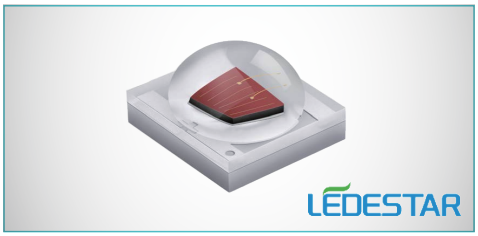
LED Driver	Fahold	Surge Protection	6KV
LED Brand	LEDESTAR	LED Configuration	18000K + 485nm & 2200K & 640nm + 660nm
Munual Knob Dimming	40% I 50% I 60% I 80% I 100% OFF	LED life time	>100,000 hours
RJ Port Dimming	10%~100% DIM-TO-OFF	Power Cord Length	10' (3.05M)
IP Rate	IP 66	Max. Ambient Temp.	104 °F (40 °C)
Warranty	5-year	Mounting Height	>36"(Above Canopy)

Packaging (Luminaire)		Packaging (Driver)	
Carton Size	124 x 67 x 16cm (48.82" x 26.38" x 6.3")	Carton Size	56 x 45x 14cm (22.05" x 17.72" x5.51")
Weight	20.9 kg (46.08 lbs)	Weight	8.5kg (18.74 lbs)
Qty. / Ctn.	1PC	Qty. / Ctn.	1 Set

Details







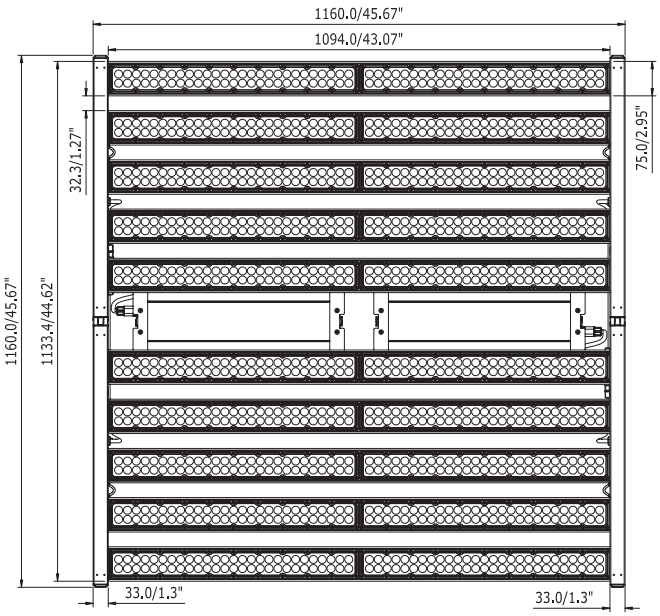
Plug

USA 120Vac (NEMA 5-15P)
Standard

USA 240Vac (NEMA 6-15P)
Optional

USA 277Vac (NEMA 7-15P)
Optional

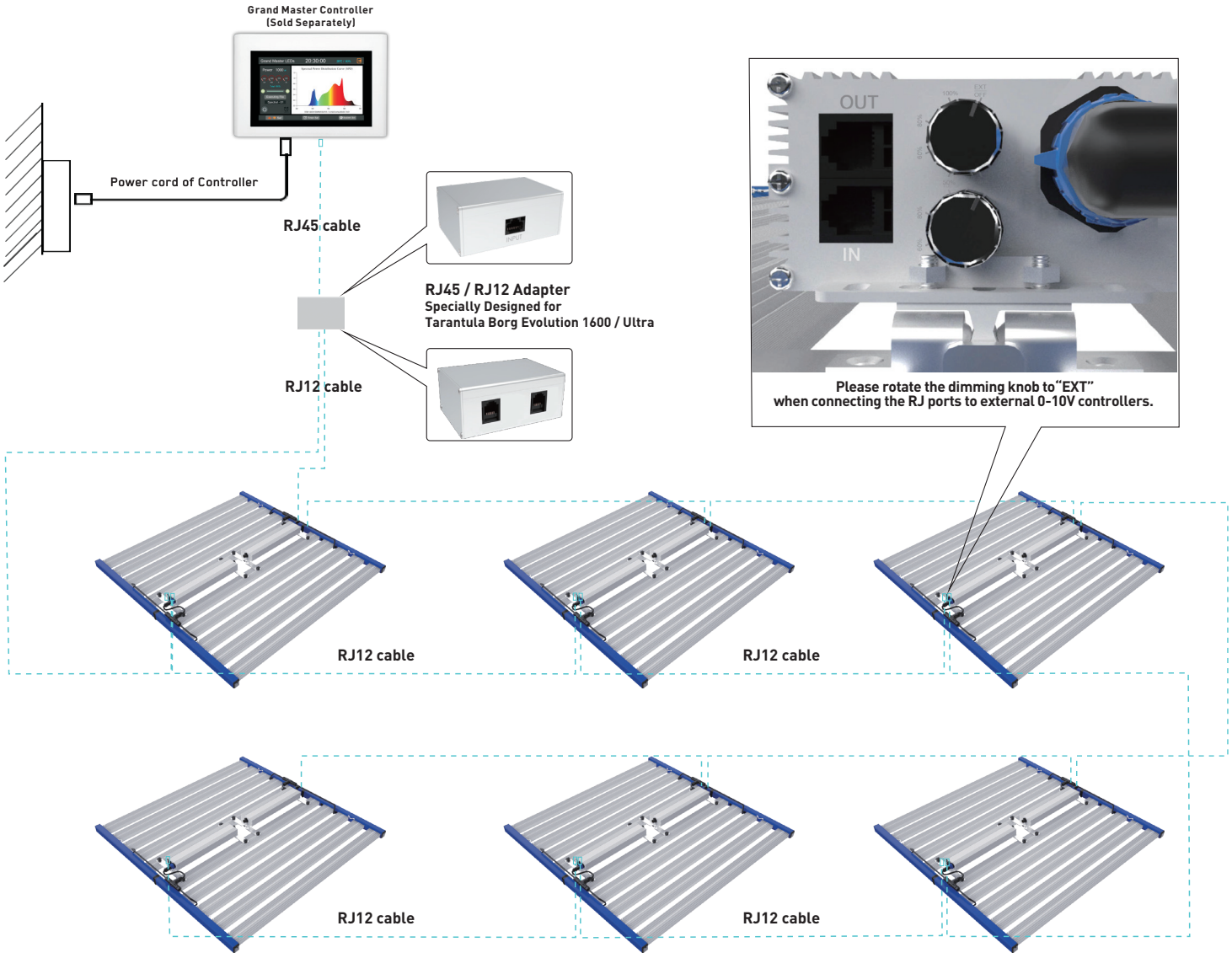
Dimensions & Weight



Fixture Dimensions:
1160mm x 1160mm x 90.3mm
(45.67" x 45.67" x 3.56")

Fixture Net Weight:
25.13 kg (55.4lbs)

RJ Port Dimming 10%~100% DIM-TO-OFF

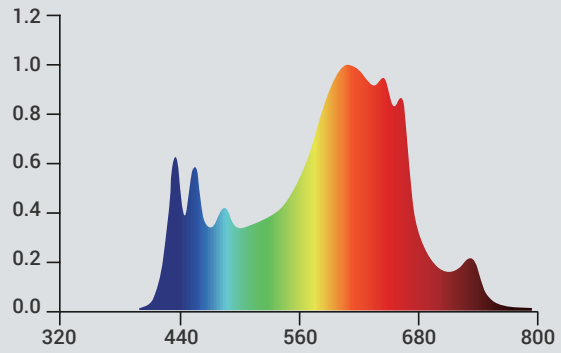


Control Signal Input and Output

RJ45 / RJ12 Adapter Output Side (RJ12)					
PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6
Dim 2	Dim 1	GND	GND	Dim 1	Dim 2
LED Driver Input Side (RJ12)					
PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6
Dim 2	Dim 1	GND	GND	Dim 1	Dim 2
LED Driver Output Side (RJ12)					
PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6
Dim 2	Dim 1	GND	GND	Dim 1	Dim 2

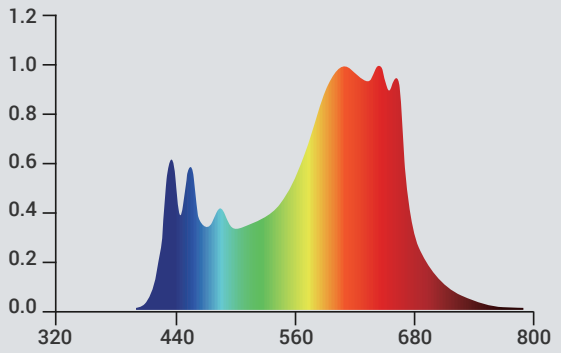
Spectrum Possibilities (SPD)

#1



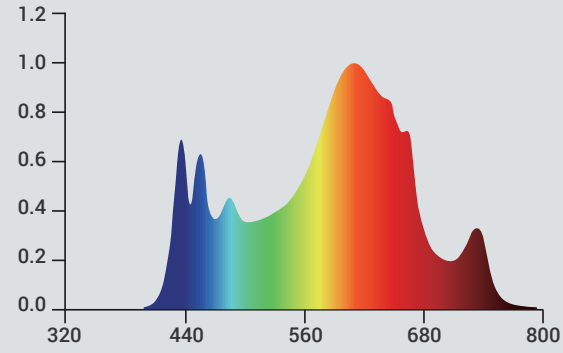
1045W 33CW/100WW/R75/Fr45 15.4%B/30.4%G/47.5%R/6.8%Fr

#2



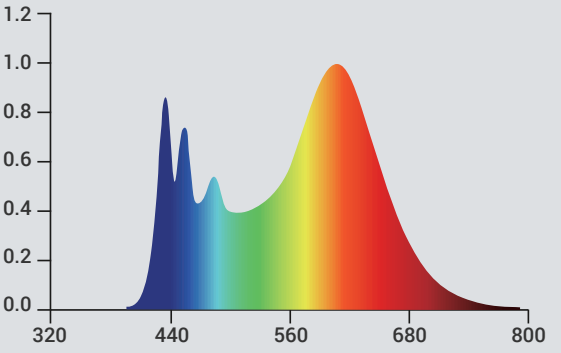
1035W 33CW/100WW/R100/Fr0 15.6%B/30.8%G/50.1%R/3.5%Fr

#3



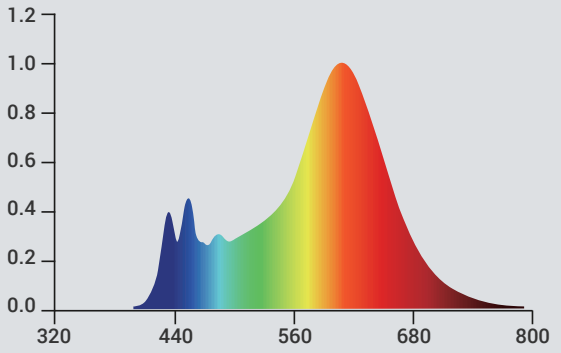
1090W 38CW/100WW/R50/Fr100 16.4%B/30.3%G/43.7%R/9.6%Fr

#4



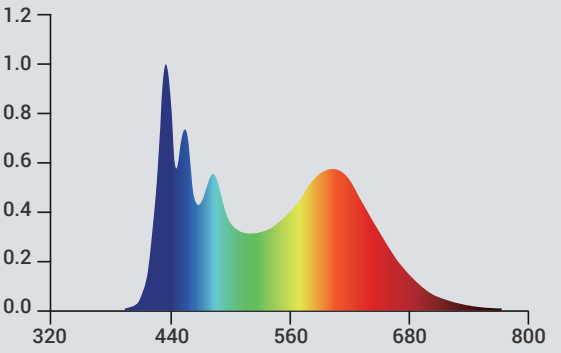
1080W 55CW/100WW/R0/Fr0 21.3%B/34.3%G/40.9%R/3.5%Fr

#5



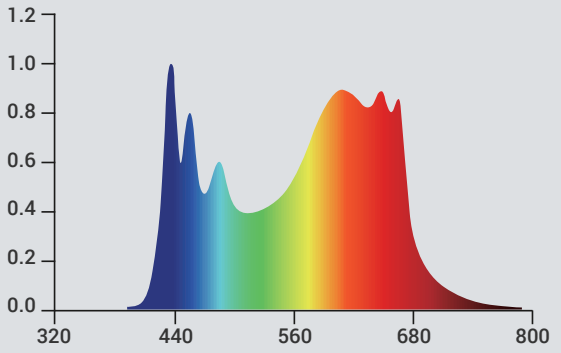
826W 18CW/100WW/R0/Fr0 13.4%B/34.8%G/47.6%R/4.2%Fr

#6



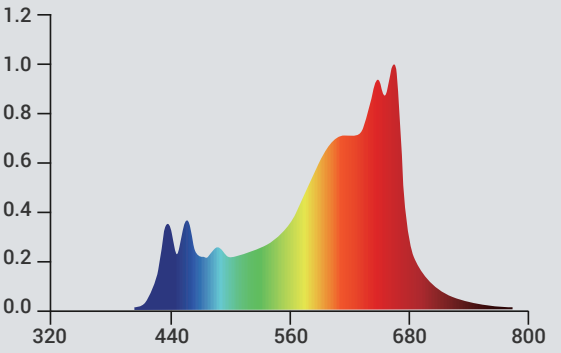
1180W 100CW/68WW/R0/Fr0 32.1%B/33.6%G/31.7%R/2.6%Fr

#7



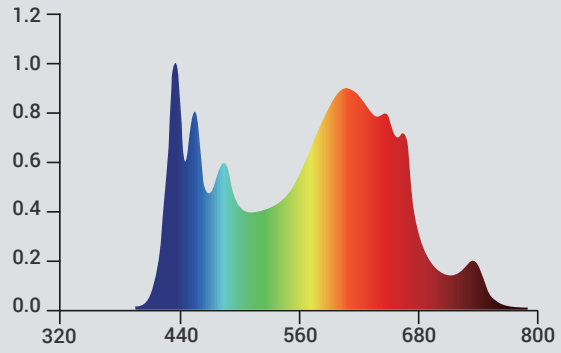
1080W 60CW/80WW/R100/Fr0 22.6%B/30.6%G/43.9%R/2.9%Fr

#8



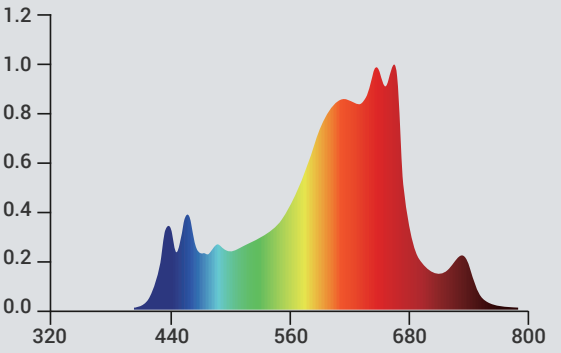
540W 12CW/50WW/R100/Fr0 12.6%B/27.8%G/56.4%R/3.3%Fr

#9



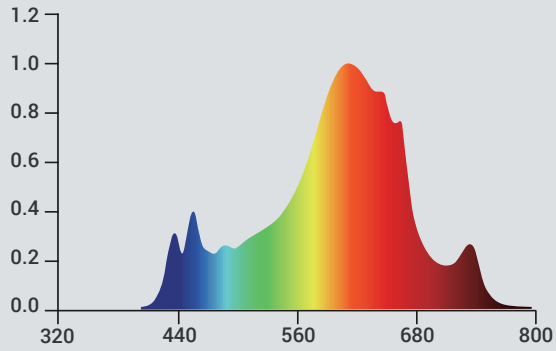
1330W 72CW/100WW/R80/Fr60 22.4%B/30.5%G/40.9%R/6.2%Fr

#10



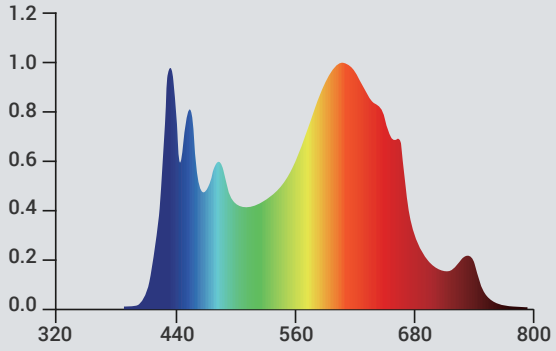
715W 13CW/70WW/R100/Fr40 10.0%B/28.0%G/53.3%R/7.7%Fr

#11



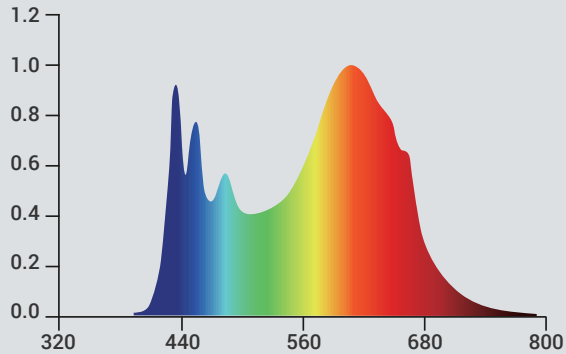
890W 13CW/100WW/R50/Fr60 10.4%B/30.6%G/50.1%R/8.9%Fr

#12



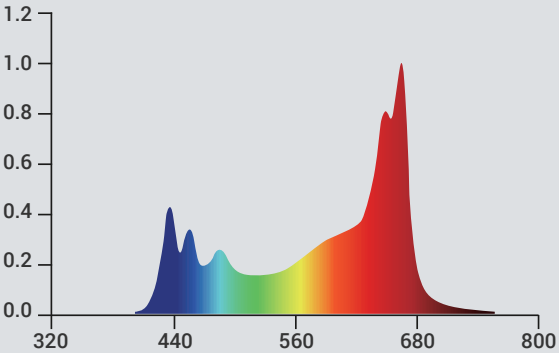
1215W 60CW/100WW/R50/Fr55 21.2%B/31.2%G/41.1%R/6.5%Fr

#13



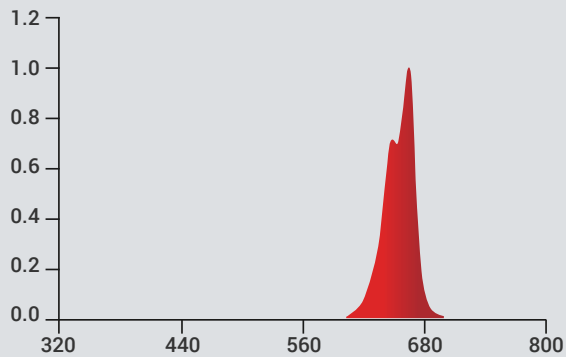
1130W 55CW/100WW/R40/Fr0 21.3%B/32.7%G/42.7%R/3.3%Fr

#14



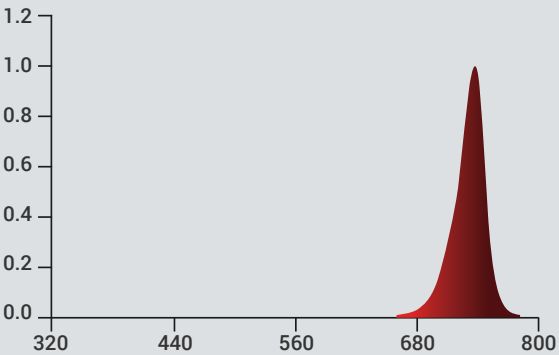
280W 12CW/12WW/R100/Fr0 18.3%B/22%G/57.7%R/2%Fr

#15



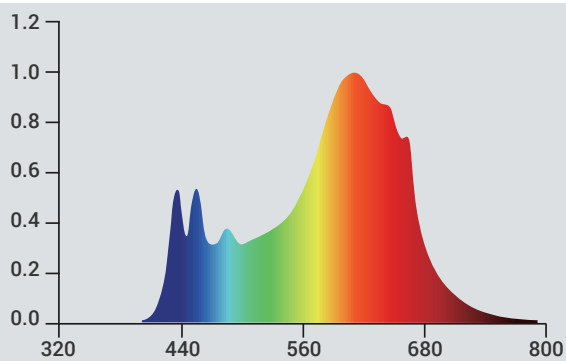
105W 0CW/0WW/R100/Fr0 0.0%B/0.1%G/99.6%R/0.3%Fr

#16



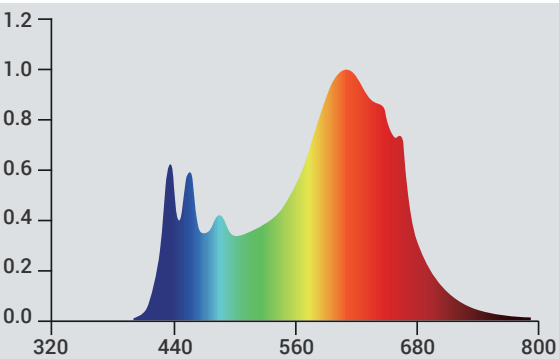
75W 0CW/0WW/R0/Fr100 0.0%B/0.0%G/5.9%R/94.1%Fr

#17



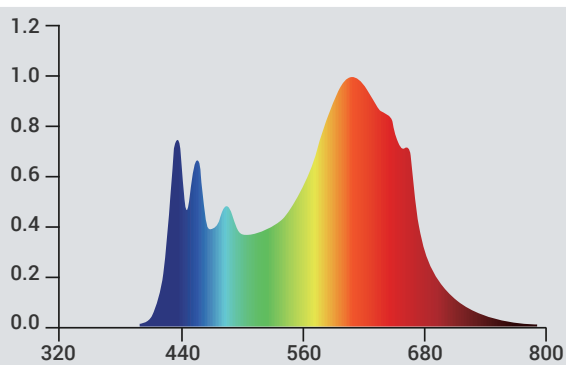
945W 27CW/100WW/R50/Fr0 15%B/32.4%G/48.9%R/3.7%Fr

#18



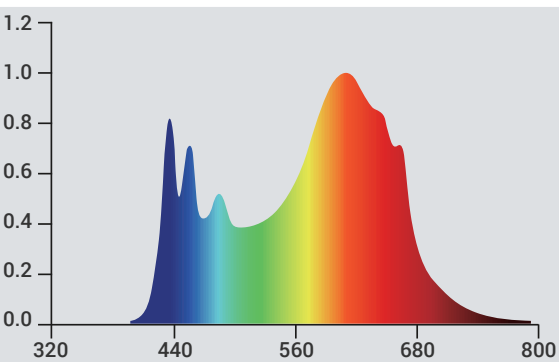
985W 33CW/100WW/R50/Fr0 16.5%B/32.4%G/47.5%R/3.6%Fr

#19



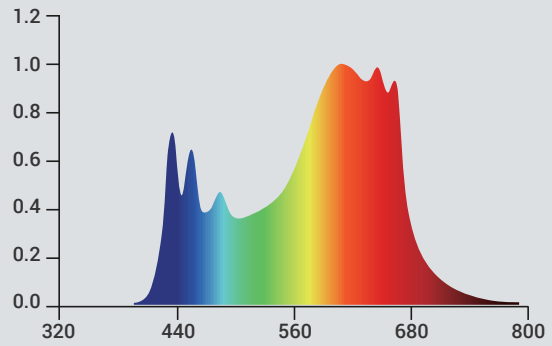
1050W 42CW/100WW/R50/Fr0 18.5%B/32.4%G/45.6%R/3.5%Fr

#20



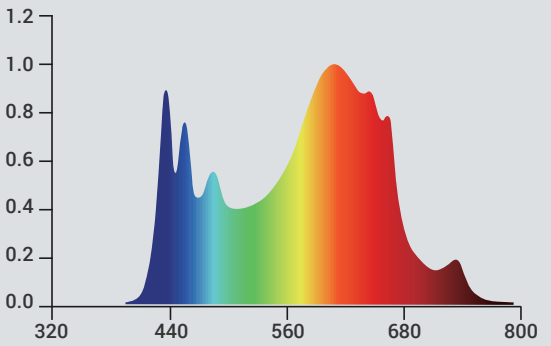
1085W 47CW/100WW/R50/Fr0 19.6%B/32.4%G/44.6%R/3.4%Fr

#21



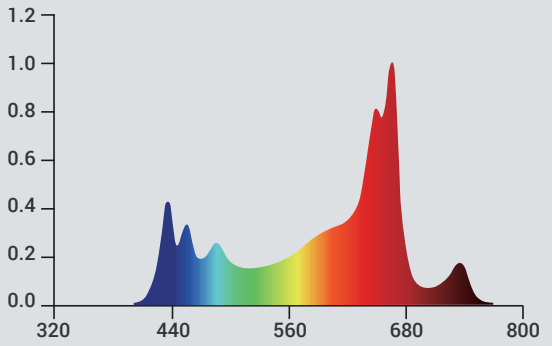
1080W 40CW/100WW/R100/Fr0 17.3%B/30.9%G/48.5%R/3.3%Fr

#22



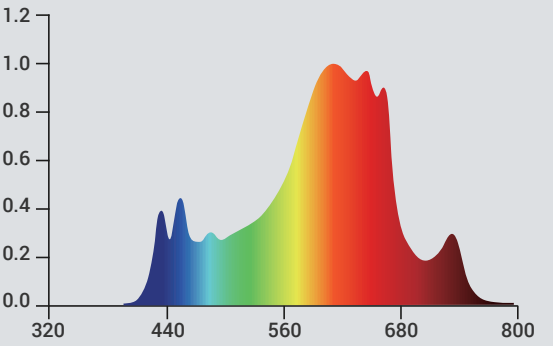
1170W 53CW/100WW/R70/Fr40 19.7%B/30.9%G/43.5%R/5.9%Fr

#23



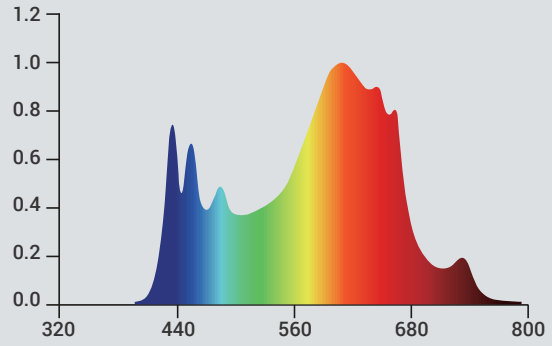
290W 12CW/12WW/R100/Fr22 17.1%B/20.6%G/54.5%R/7.8%Fr

#24



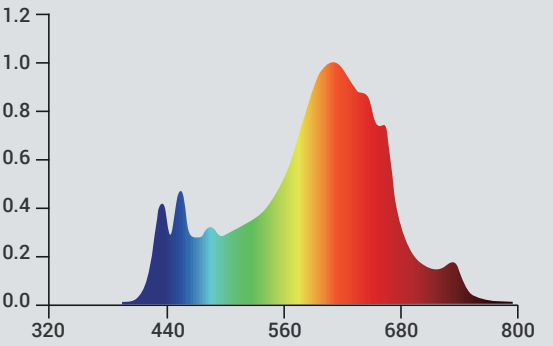
965W 18CW/100WW/R80/Fr75 11.4%B/29.3%G/50.1%R/9.2%Fr

#25



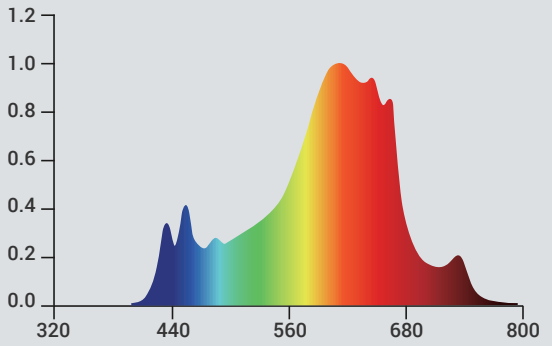
1095W 42CW/100WW/R70/Fr40 17.6%B/30.8%G/45.4%R/6.2%Fr

#26



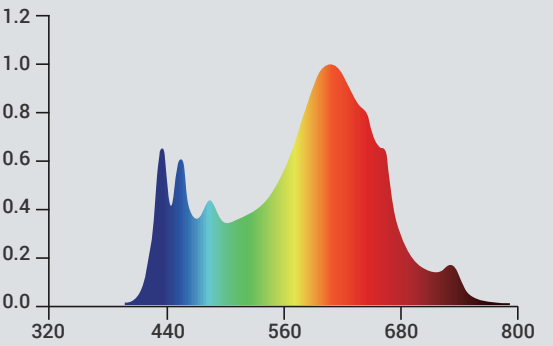
915W 20CW/100WW/R50/Fr30 12.7%B/31.5%G/49.2%R/6.6%Fr

#27



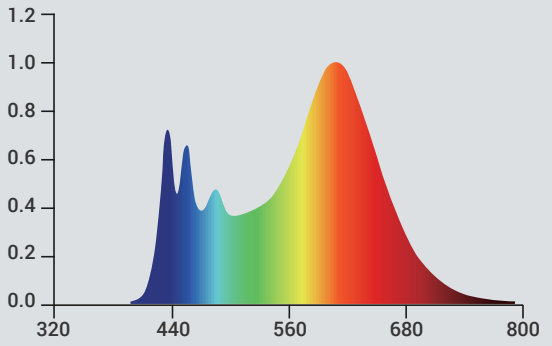
910W 15CW/100WW/R70/Fr40 10.9%B/30.4%G/51.4%R/7.3%Fr

#28



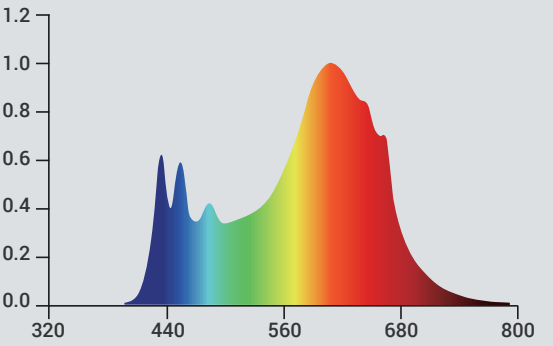
1005W 35CW/100WW/R35/Fr30 16.8%B/32.1%G/45%R/6.1%Fr

#29



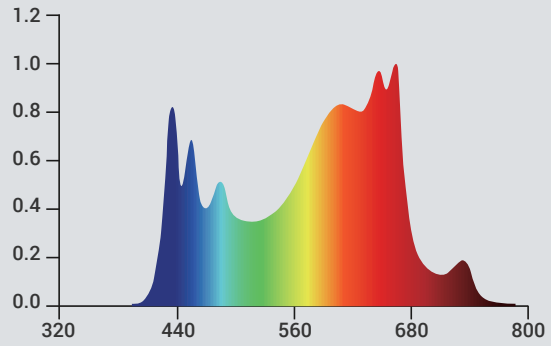
985W 40CW/100WW/R0/Fr0 19.3%B/34.3%G/42.7%R/3.7%Fr

#30



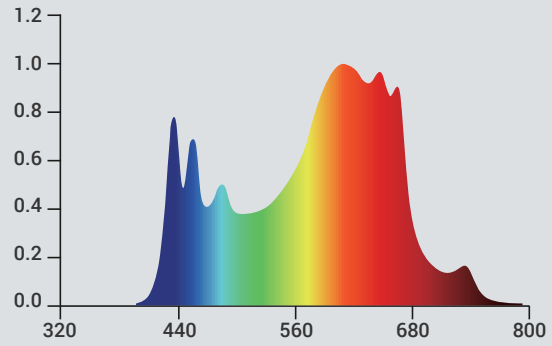
980W 33CW/100WW/R45/Fr0 16.6%B/32.6%G/47.2%R/3.7%Fr

#31



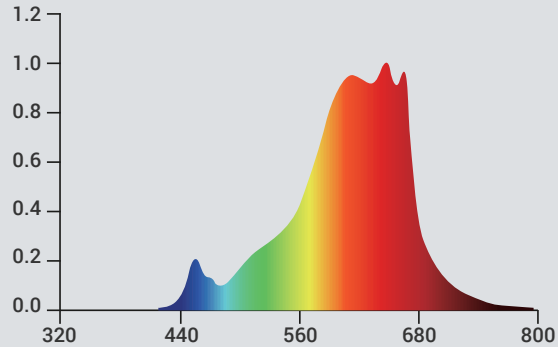
755W 35CW/55WW/R100/Fr30 19.5%B/28.2%G/46.3%R/6%Fr

#32



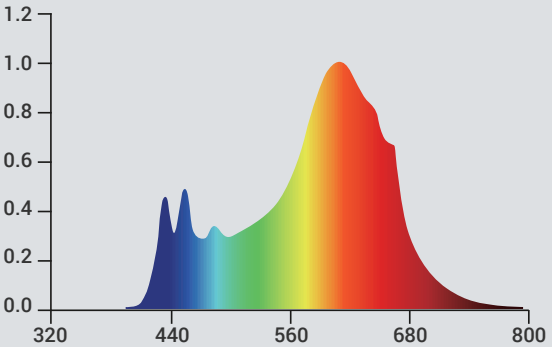
1136W 45CW/100WW/R100/Fr30 17.9%B/30.2%G/46.4%R/5.5%Fr

#33



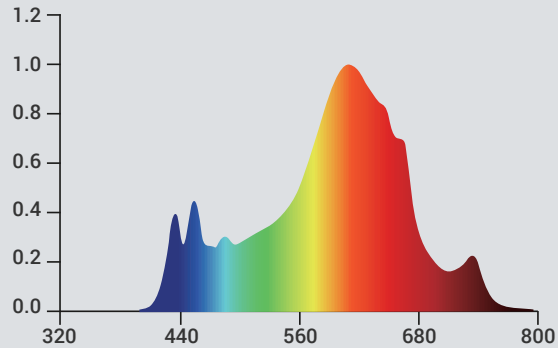
800W 0CW/100WW/R100/Fr0 4.8%B/30.2%G/60.8%R/4.3%Fr

#34



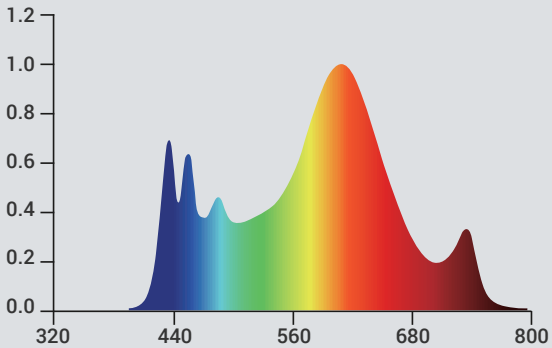
890W 22CW/100WW/R35/Fr0 13.9%B/33%G/49.2%R/3.9%Fr

#35



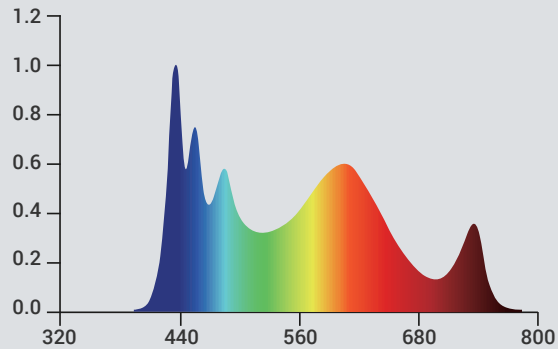
910W 18CW/100WW/R40/Fr48 12.1%B/31.3%G/48.6%R/8%Fr

#36



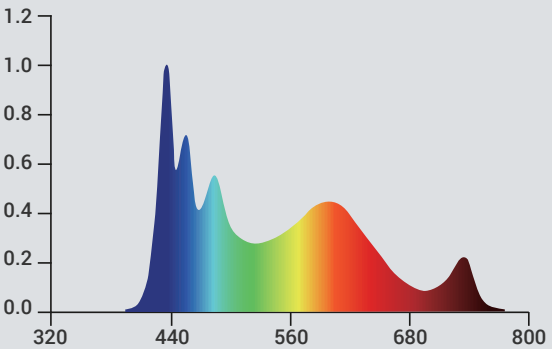
1040W 38CW/100WW/R0/Fr100 17.5%B/32%G/40.4%R/10.2%Fr

#37



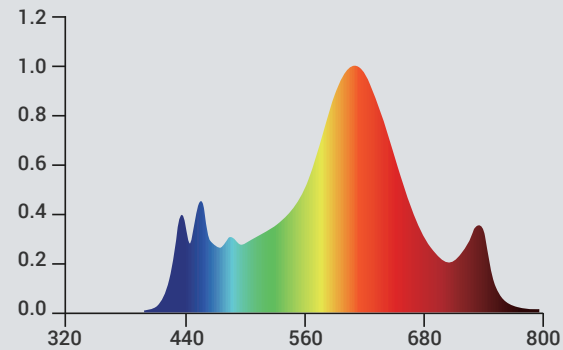
655W 48CW/35WW/R0/Fr100 28.2%B/30.1%G/29.2%R/12.5%Fr

#38



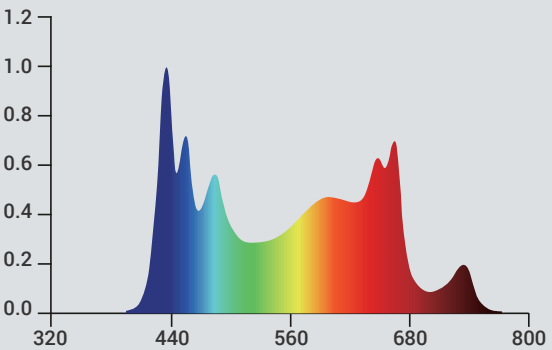
870W 80CW/33WW/R0/Fr100 34.1%B/30.6%G/25.6%R/9.7%Fr

#39



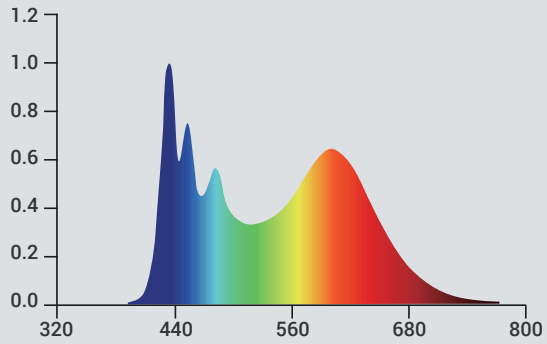
900W 18CW/100WW/R0/Fr100 12.4%B/31.9%G/41.1%R/11.6%Fr

#40



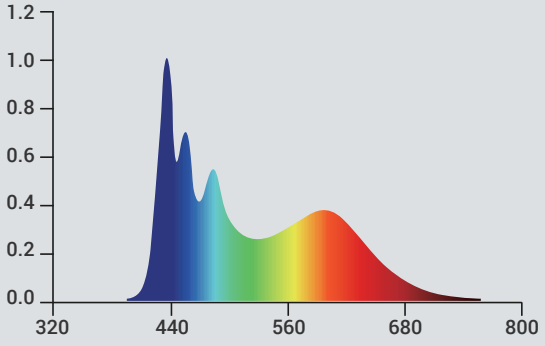
695W 55CW/25WW/R100/Fr50 28.8%B/26.6%G/37.5%R/7.1%Fr

#41



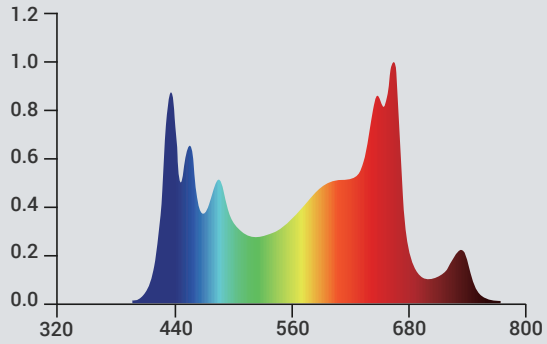
1270W 100CW/80WW/R0/Fr0 30.4%B/33.7%G/33.1%R/2.7%Fr

#42



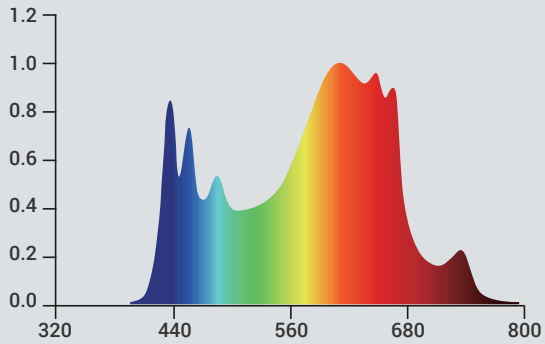
880W 100CW/25WW/R0/Fr0 40.8%B/33.2%G/24.2%R/1.8%Fr

#43



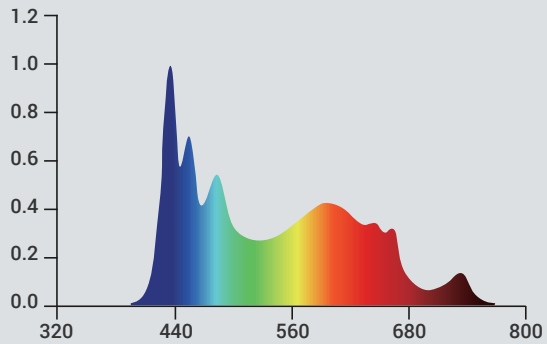
480W 30CW/20WW/R100/Fr33 23.7%B/24.7%G/44.4%R/7.2%Fr

#44



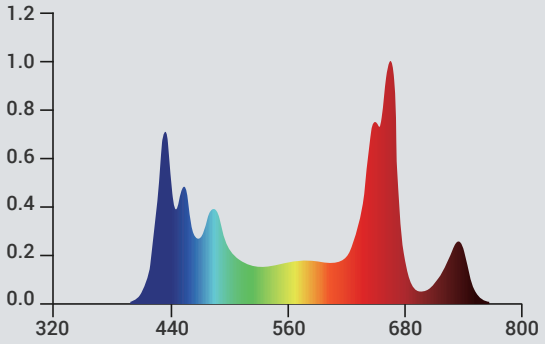
1190W 50CW/100WW/R100/Fr55 18.6%B/29.8%G/45%R/6.6%Fr

#45



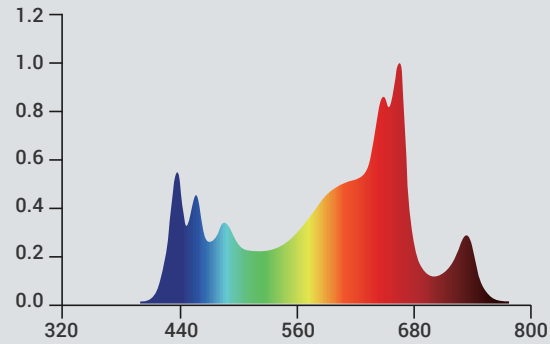
1045W 100CW/36WW/R50/Fr60 34.3%B/30%G/29.7%R/6%Fr

#46



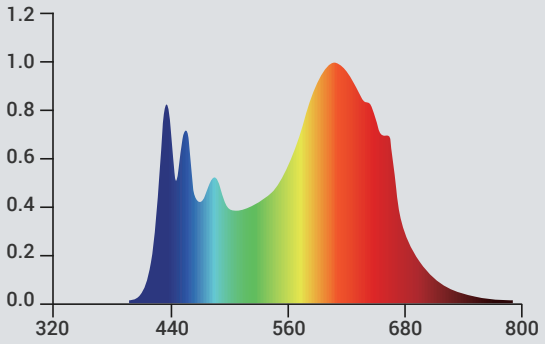
270W 20CW/0WW/R100/Fr36 26.5%B/17.5%G/45.5%R/10.5%Fr

#47



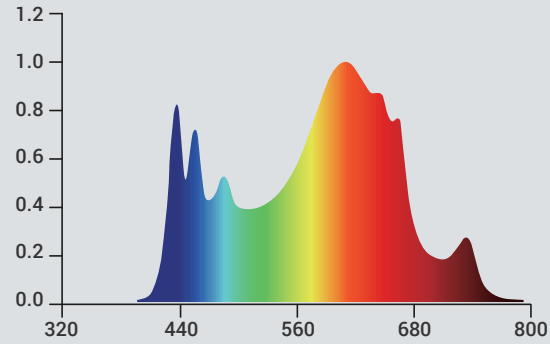
440W 18CW/25WW/R100/Fr48 17.3%B/23.5%G/49.1%R/10.1%Fr

#48



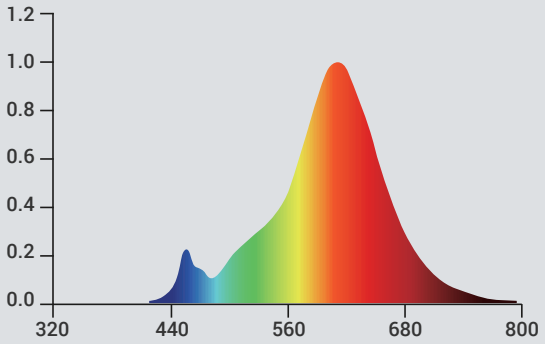
1090W 48CW/100WW/R50/Fr0 19.8%B/32.5%G/44.3%R/3.4%Fr

#49



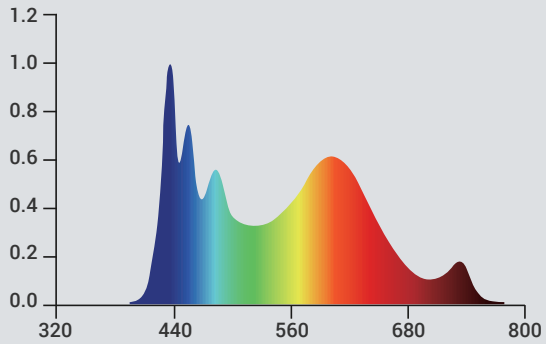
1155W 48CW/100WW/R65/Fr75 18.6%B/30.4%G/43.2%R/7.8%Fr

#50



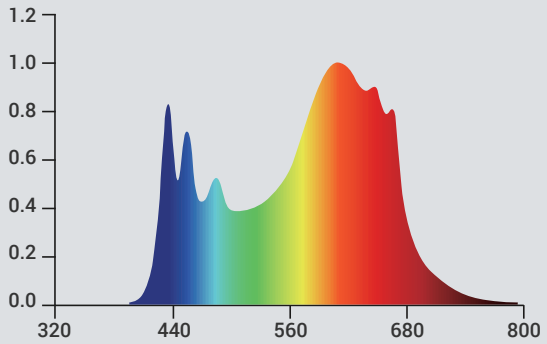
700W 0CW/100WW/R0/Fr0 5.62%B/35.1%G/54.4%R/4.9%Fr

#51



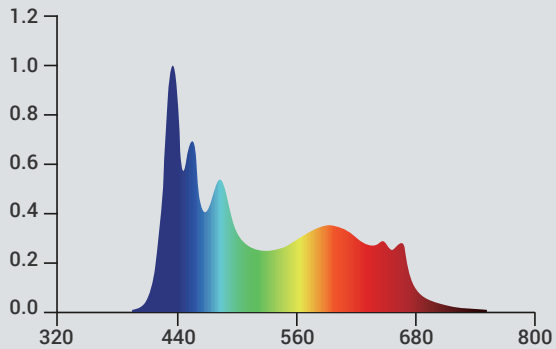
1290W 100CW/75WW/R0/Fr85 29.6%B/32%G/31.2%R/7.2%Fr

#52



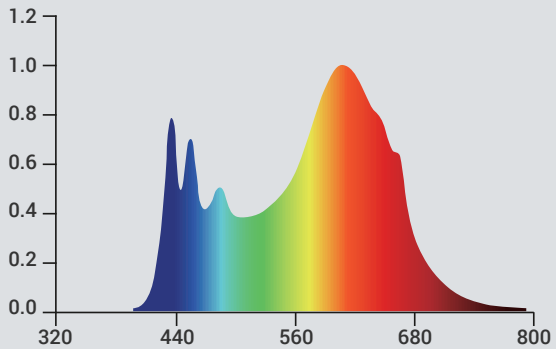
1115W 48CW/100WW/R75/Fr0 19.3%B/31.7%G/45.7%R/3.3%Fr

#53



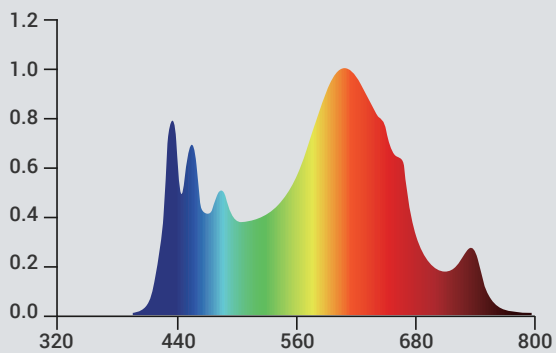
895W 100CW/20WW/R50/Fr0 39.5%B/31%G/28%R/1.5%Fr

#54



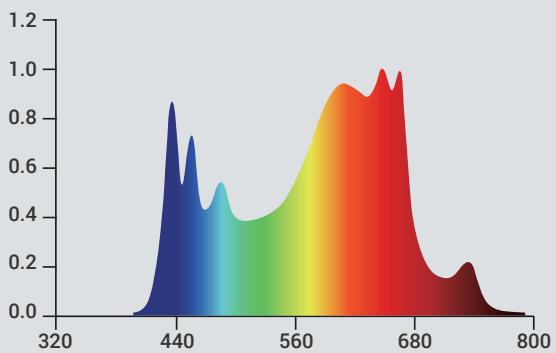
1050W 45CW/100WW/R35/Fr0 19.5%B/33%G/41.2%R/3.5%Fr

#55



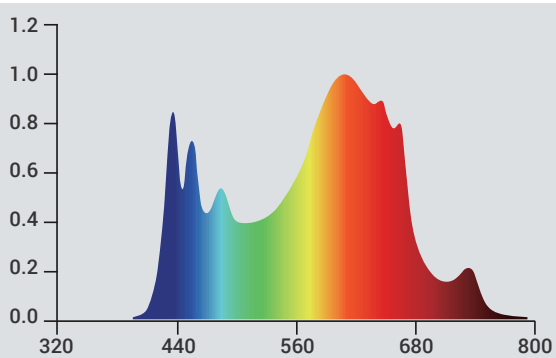
1100W 45W/100WW/R35/Fr75 18.4%B/31.2%G/42.1%R/8.3%Fr

#56



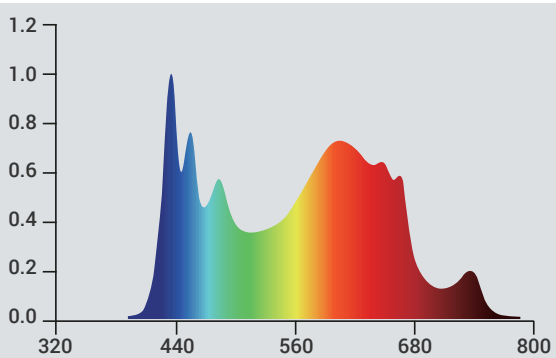
900W 40CW/70WW/R100/Fr40 19%B/29%G/45.6%R/6.4%Fr

#57



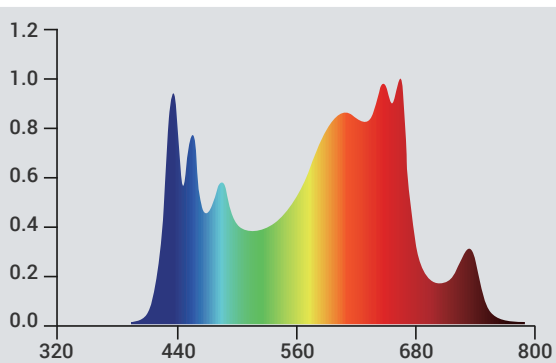
1160W 50CW/100WW/R75/Fr50 19%B/30.6%G/44%R/6.4%Fr

#58



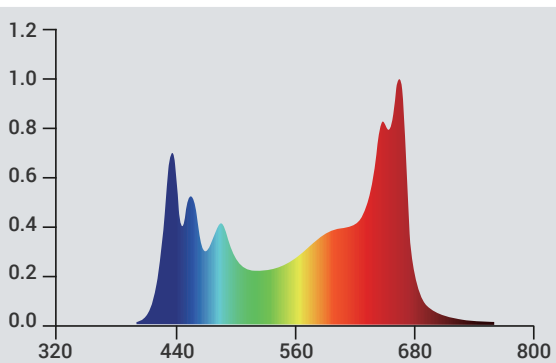
1570W 100CW/100WW/R100/Fr100 25%B/30%G/38%R/7%Fr

#59



810W 40CW/55WW/R100/Fr65 20.3%B/27.6%G/43.8%R/8.3%Fr

#60



355W 22CW/13WW/R100/Fr0 23.9%B/24.2%G/50.1%R/1.9%Fr

Safety Warnings and Recommendations

Warning! Carefully read the warnings below before using or working with the product!

Always adhere to the local rules and regulations when installing or using the LED fixture.

Do not open or disassemble the LED fixture, it contains no serviceable parts inside. Opening or modifying the LED fixture can be dangerous and will void the warranty.

Wearing protective gloves and glasses is recommended during installation.

Do not use the LED fixture when either the LED fixture has been dropped or is damaged or its power cord is damaged.

Replace the power cord only with original certified cords. Keep the power cord away from hot surfaces.

Modifications to the cords can lead to unwanted electromagnetic effects, which makes the product not comply with legal requirements.

Do not plug the LED fixture into a supply voltage other than what is instructed on the fixture.

Always disconnect the LED fixture from mains before performing any maintenance.

The LED lighting product is extremely bright. Do not stare directly into any of the lights.

The LED fixture will get hot during operation. Do not touch when the light is on. Keep the LED fixture away from children.

Always allow for a cool down period of at least 30 min. before touching the LED rails. Touching the LED rails when the fixture is lit or immediately afterwards can result in severe burns!

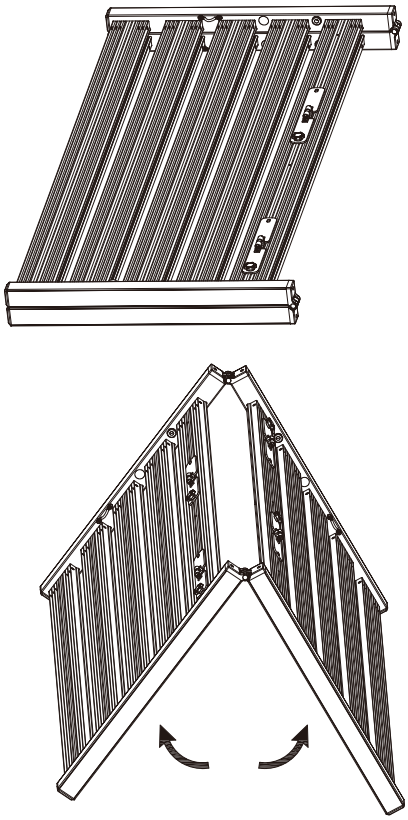
Do not expose the LED fixture to:
(ambient) temperatures outside the specified range;
dust and contamination;
direct sunlight during use or HID light that could heat up the ballast.

Do not use the LED fixture near flammable, explosive or reactive substances.

The installation and use of the LED fixture are the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the LED fixture. Damage to the LED fixture and electronic circuitry because of incorrect installation and use will void the warranty.

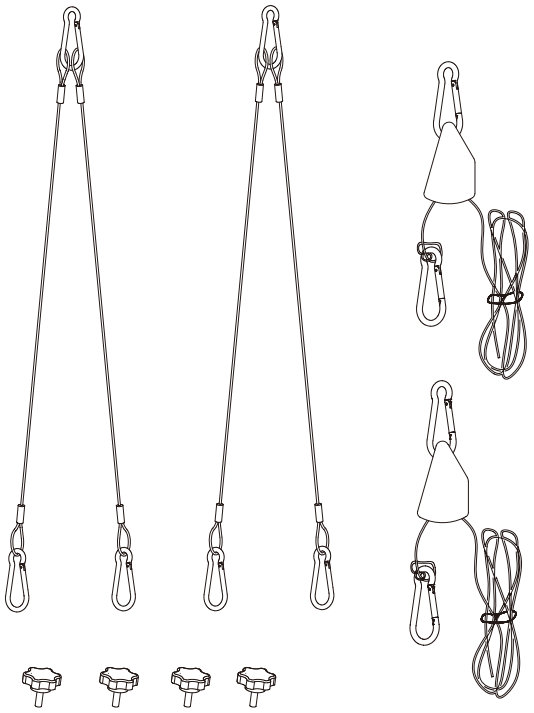
Installation Instructions

1



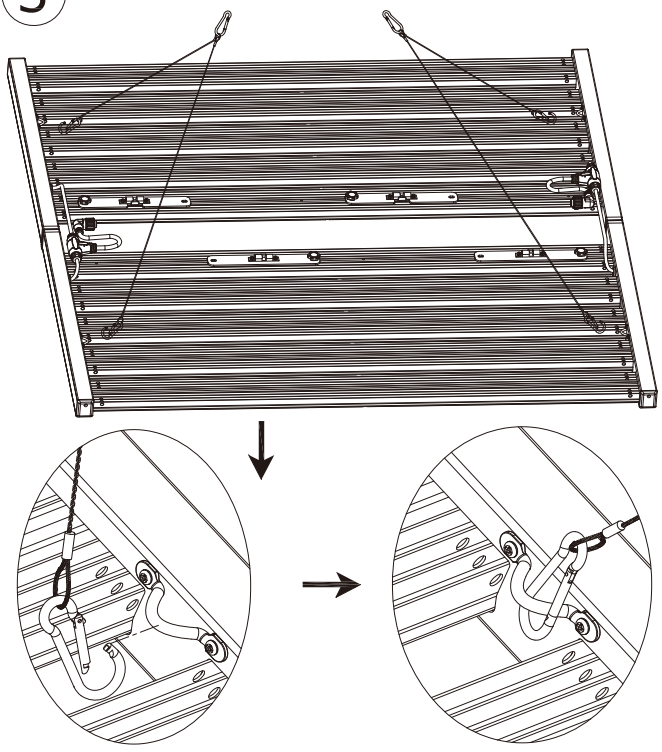
Unfold the LED fixture.

2



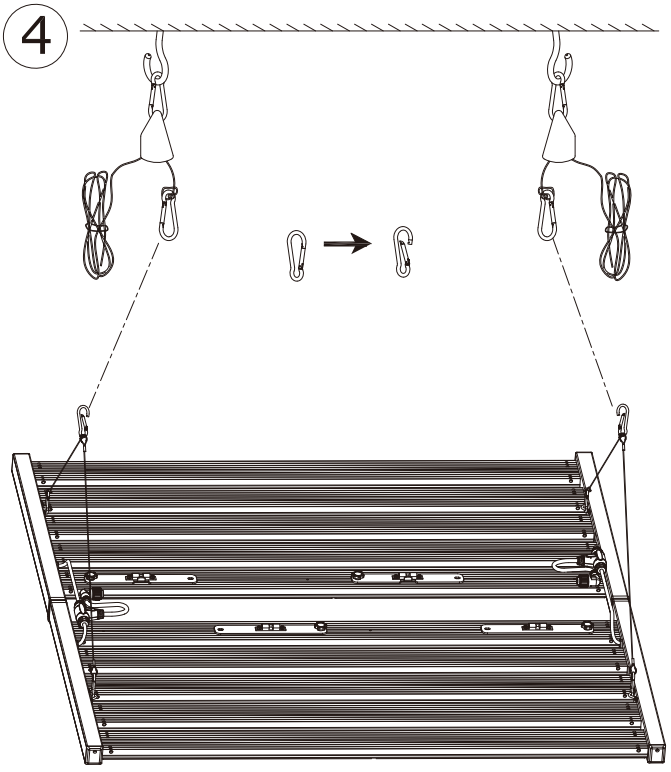
Take out the accessories from their bags.

3



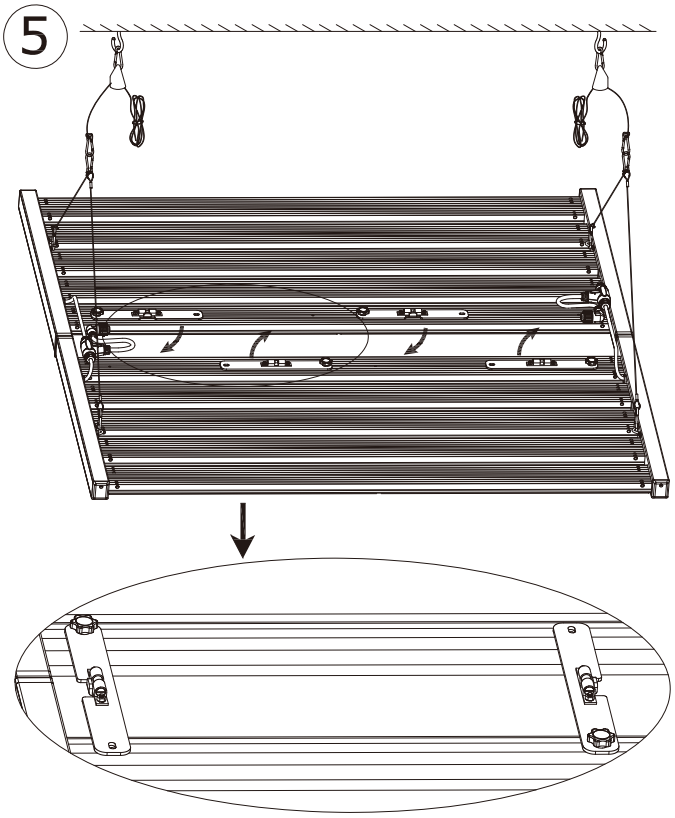
Connect carabiner hooks with mounting rings (on fixture frame).

4



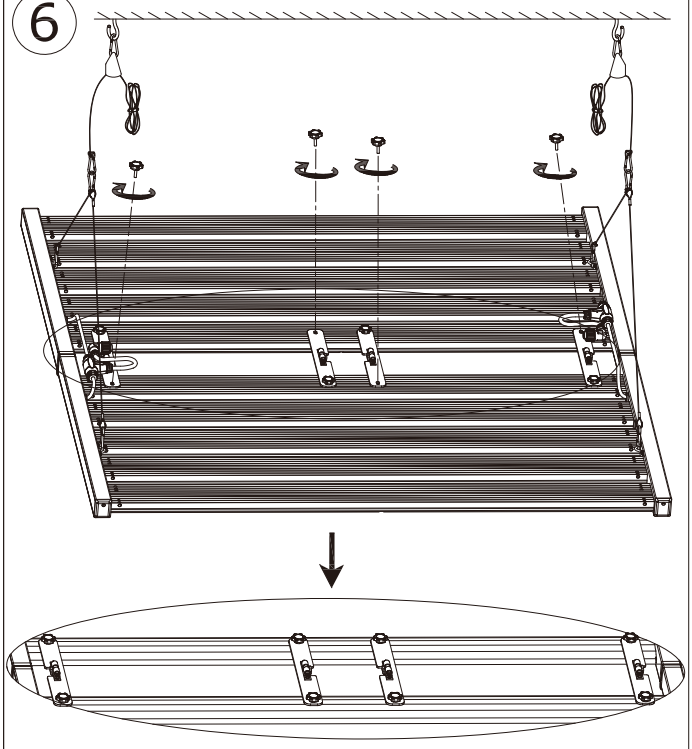
Attach steel ropes to adjustable ratchet hangers.

5



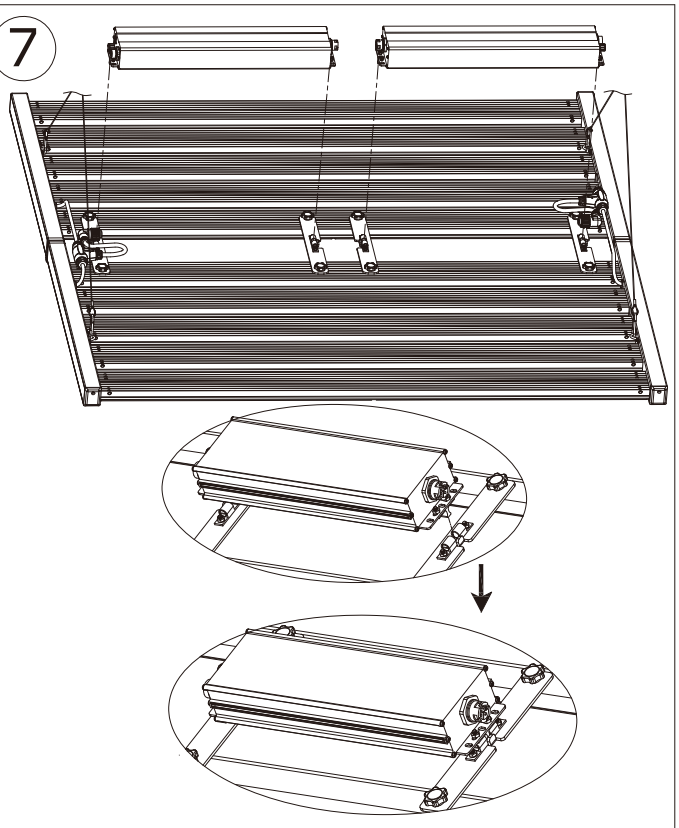
Turn these 4 brackets by 90 degrees.

6



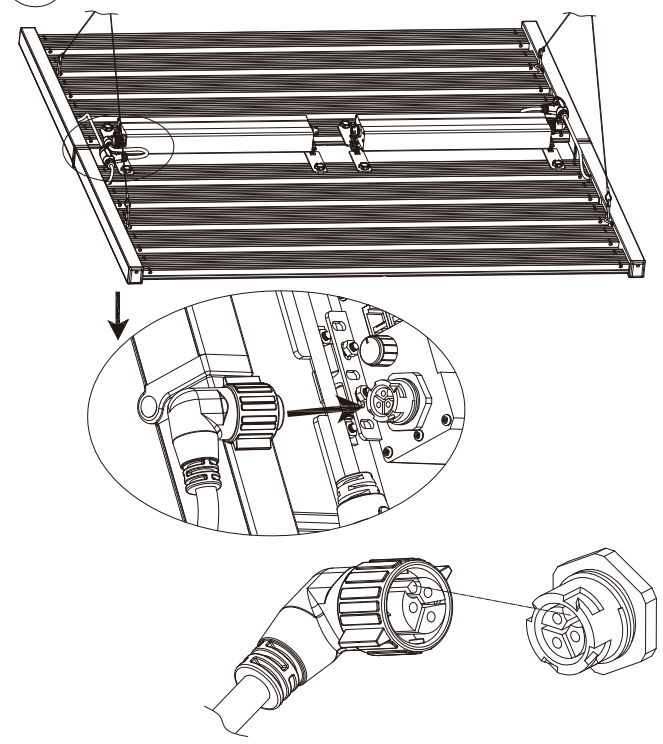
Use 4 additional knob screws to fix these 4 brackets.

7



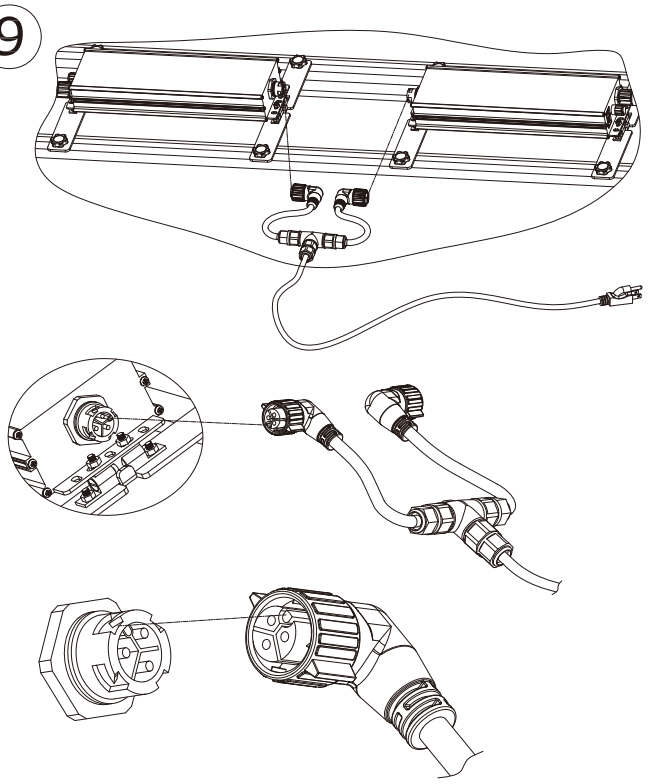
Secure the LED drivers by sliding them into the buckles on these 4 brackets.

8



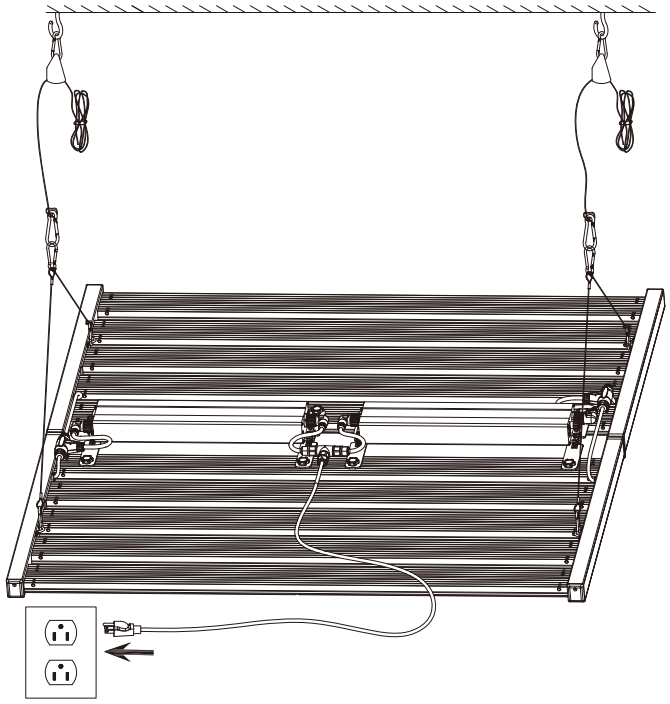
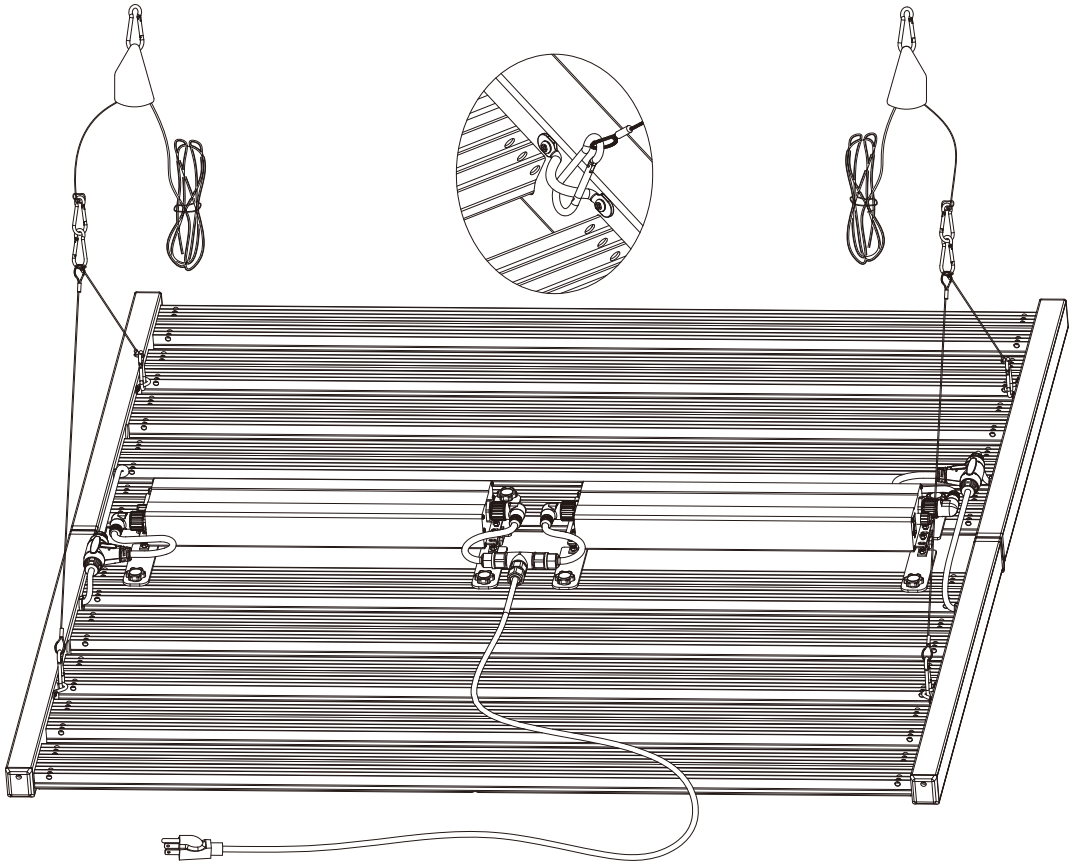
Push the cable & connector of the fixture into the connector of driver DC OUTPUT.

9



Push the connector of the AC power cord into the connector of driver AC INPUT.

10



Connect the AC power plug into the mains (wall outlet).