SUPER LED

High Efficacy & Economic
Horticultural Grow Bar Lighting Solution

CUSTOMIZED LOGO   SP-800   Controller Manual   Control Parts

Performance

- Absolute market leading PPF 2345 μmol/s
- Highest photon efficiency 2.6-2.8μmol/J
- Sunlike growth spectra with highest yields
- Deepest canopy penetration rate

Flexible

- All in one design, build-in driver, free assemble, save time and labor.
- Daisy chainable and group controllable with RJ11 connection
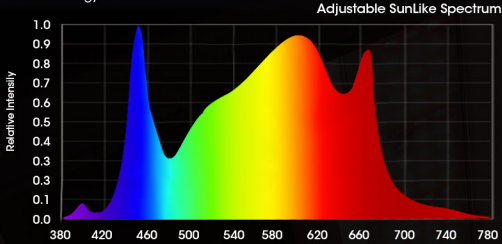- Uniform light distribution adaptable to your canopy

Quality

- Extreme lifetime >100,000hrs
- 5 years warranty
- Best passive cool management
- Top-bin Samsung LED chips

HORTICULTURE LED
MAXIMIZE YOUR-YIELDS AND PROFITS

Selected Spectrum For Optimum Growth

Spectrophotocolorimeter Test Report
Relative Energy Distribution

Adjustable SunLike Spectrum

Our technologically selected spectrum ensures that only light within the Photosynthetically Active Radiation (PAR) region is provided to ensure optimal growth within each growth phase for each plant type.

Dimming&Light Switch Daisy Chain

Meet Your Commercial Planting Needs, Bring You a More Convenient Planting Life
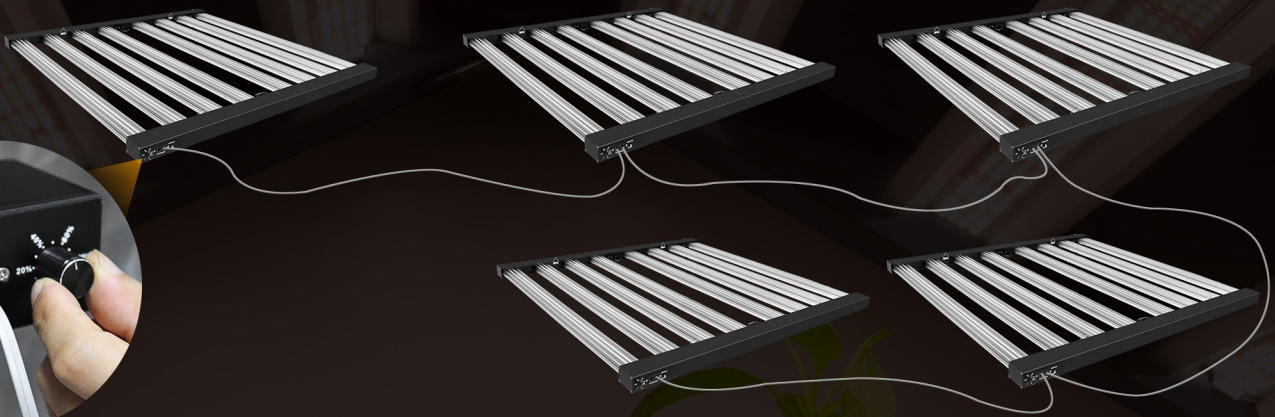
1 Dimmable & Flexible   **2** Multiple Models Daisy Chain Dimming

Using a daisy chain signal cable, support multi-lights connection up to *5-10 lights.*

RJ11 touch screen controller optional
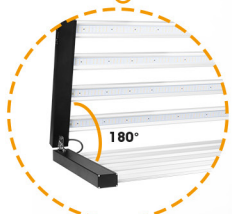for commercial growers' projects

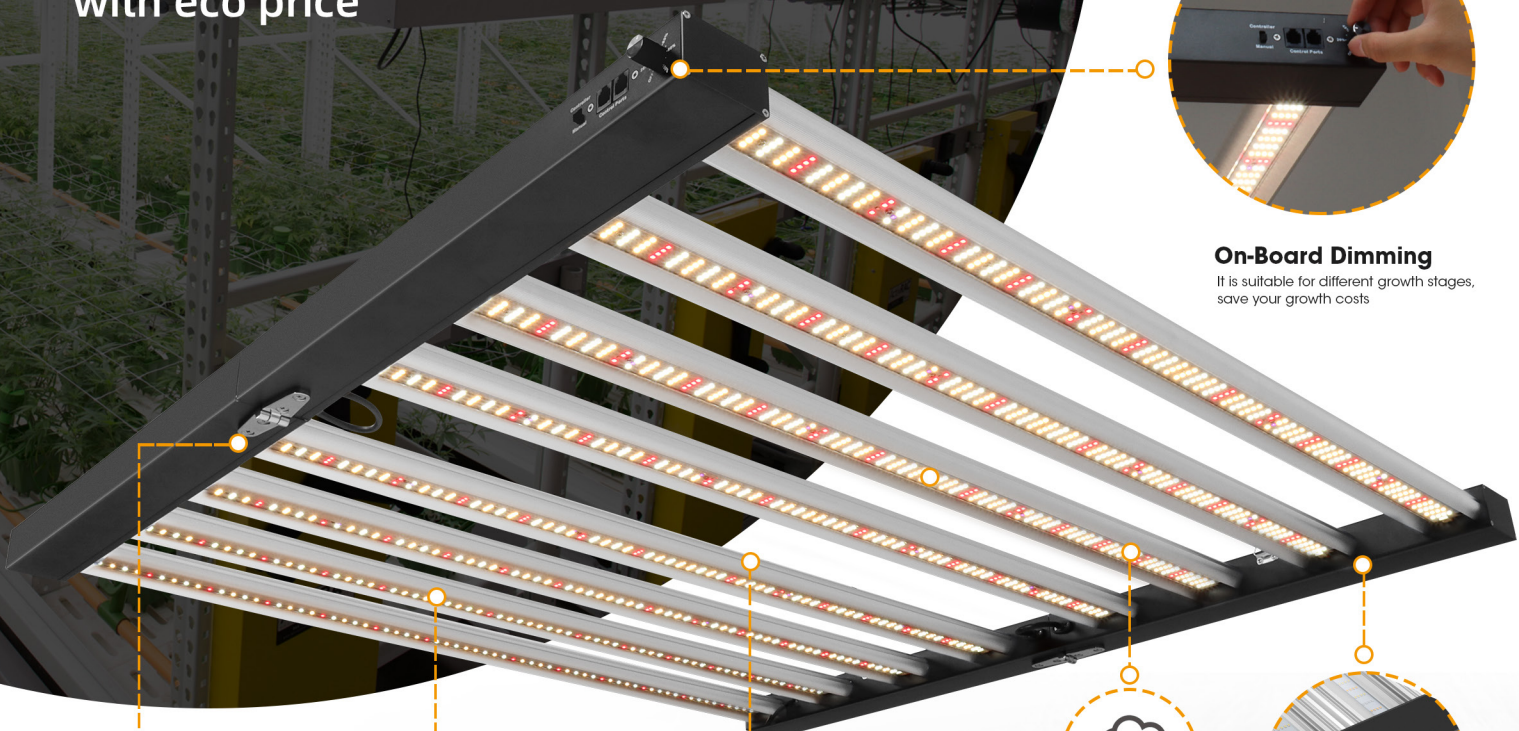Max control *40-50 lights* with 2 groups
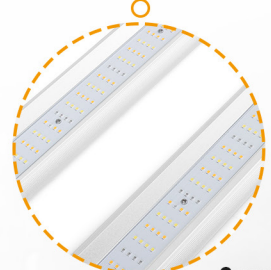
BEST COMMERCIAL LED GROW LIGHT SOLUTIONS

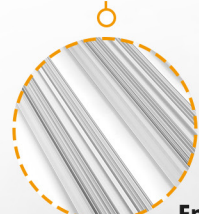## Replace traditional HPS HID CMH grow lights with eco price

On-Board Dimming
It is suitable for different growth stages, save your growth costs

180° Foldable
Quick installation, reduce labor cost

Samsung LED
Outstanding Efficiency
2.7 umol/j System Efficacy

Enlarged fin cooling profile
Fast heat dissipation, increase the use time of the lamp.

Customized Waterproof IP65
Suitable for different growing environments.

IP65
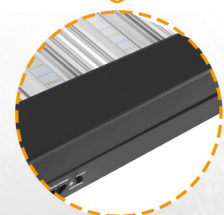
Build-in UL Drivers
Ensure the high quality of the LED grow lightings

Multiple power options(840W/630W/400W)

Applicable to different economic budgets

SP-600 -6 Bars
Power draw: **630W**
LED Qty:1632 PCS

SP-800 -8 Bars
Power Draw: **840W**
LED Qty: 2176PCS

SP-600

630W -Full spectrum- Passive cooling

INSTRUCTION:

1.77 Inches
45 mm

43.3 Inches
1100 mm

41.7 Inches
1060 mm

TECHNICAL SPECIFICATIONS:

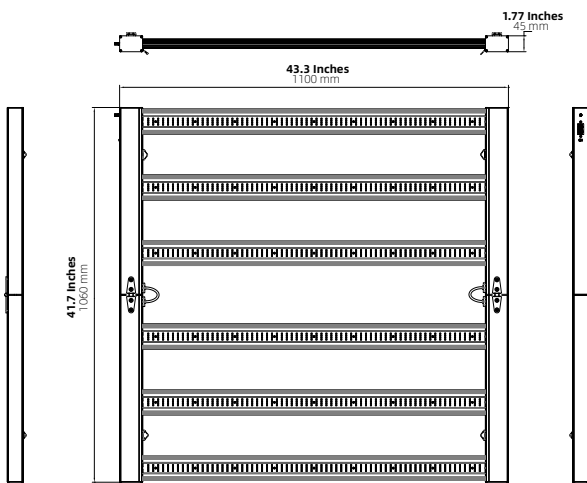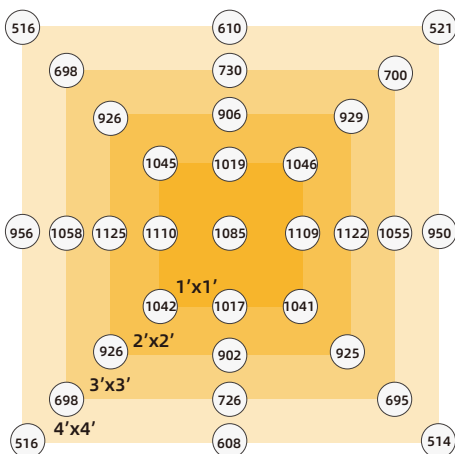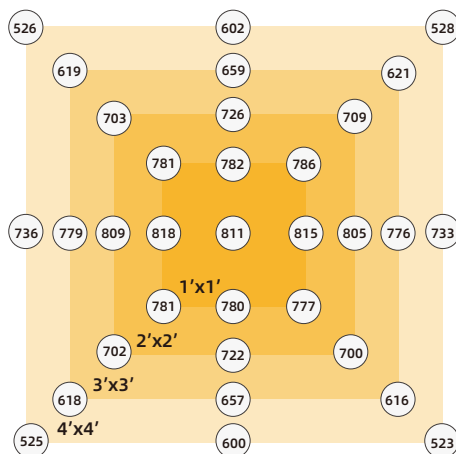|	
LED Qty	1632 PCS
Emitting Color	3000K/5000K /RED 660nm /UV 395nm /IR 730nm
LED Source	Top-Bin Samsung LED
Power Draw (W)	630W
HPS Equivalent	1500W
Par Efficiency	2.7 μmol/J
PPF	1701 μmol/S
Driver	Build-in UL Driver
Input Voltage	Autosensing 90-305V
Footprint	6'x6'(veg),5'x5'(Bloom)
Mounting Height	18" - 36" above canopy
Thermal Management	Passive cooling
Max. Ambient Temperature	95°F / 35°C
Dimming	1 Manual dimmer &RJ11 Controller
Operating Temp	-20°C ~ 40°C (-4°F ~ 104°F)
Lifetime	>100,000hrs
Warranty	5 Year

PPFD CHART:

Mounting Height @ 12 inch(30cm)

516		610		521
698		730	700	
926		906	929	
1045	1019	1046		
956	1058	1125	1110	1085	1109	1122	1055	950

1'x1'
1042 1017 1041

2'x2'
926 902 925

3'x3'
698 726 695

4'x4'
516 608 514

Mounting Height @ 24 inch(60cm)

526	602	528
619	659	621
703	726	709
781	782	786
736 779 809 818	811	815 805 776 733

1'x1'
781 780 777

2'x2'
702 722 700

3'x3'
618 657 616

4'x4'
525 600 523

Mounting Height @ 36 inch(90cm)

482	531	458
549	586	551
596	610	598
631	632	635
568 598 623 640	642	638 622 594 564

1'x1'
632 630 629

2'x2'
596 609 595

3'x3'
548 581 546

4'x4'
481 529 480
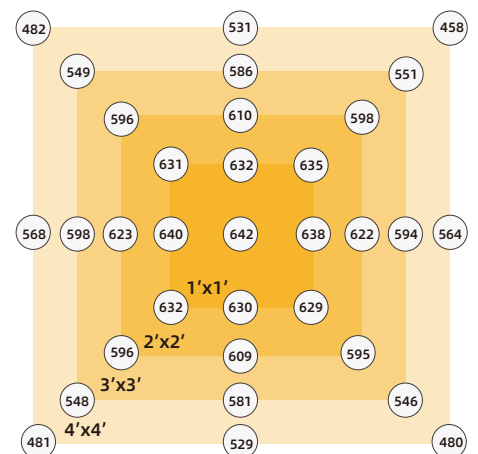
SP-800

840W -Full spectrum- Passive cooling

INSTRUCTION:

1.77 Inches 45 mm

41.7 Inches 1060mm

43.3 Inches 1100 mm
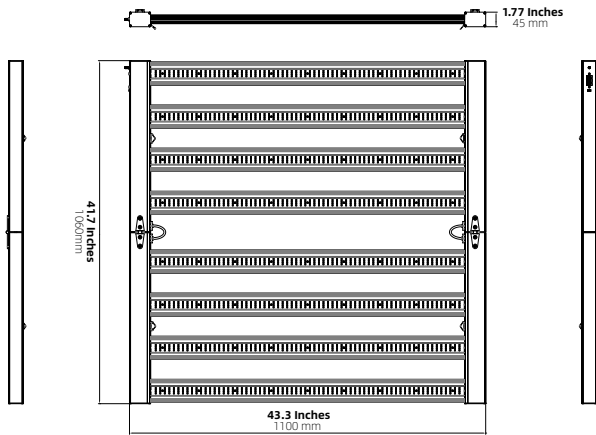
TECHNICAL SPECIFICATIONS:

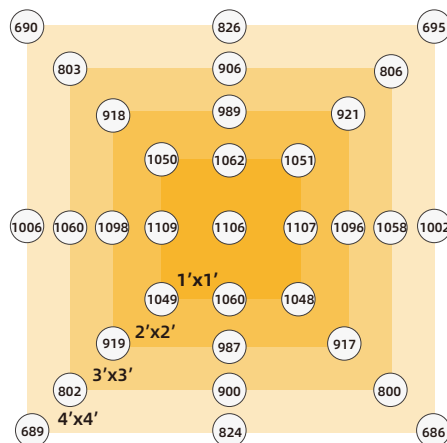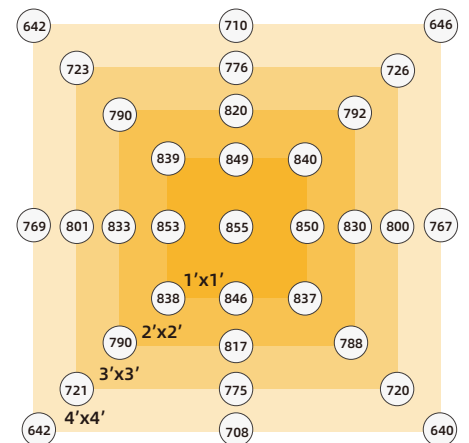|	
LED Qty	2176 PCS
Emitting Color	3000K/5000K /RED 660nm /UV 395nm /IR 730nm
LED Source	Top-Bin Samsung LED
Power Draw (W)	840W
HPS Equivalent	2000W
Par Efficiency	2.7 μmol/J
PPF	2268 μmol/S
Driver	Build-in UL Driver
Input Voltage	Autosensing 90-305V
Footprint	7'x7'(veg),6'x6'(Bloom)
Mounting Height	18" - 36" above canopy
Thermal Management	Passive cooling
Max. Ambient Temperature	95°F / 35°C
Dimming	1 Manual dimmer &RJ11 Controller
Operating Temp	-20°C ~ 40°C (-4°F ~ 104°F)
Lifetime	>100,000hrs
Warranty	5 Year

PPFD CHART:

Mounting Height @ 12 inch(30cm)

626	832	628
872	1032	873
1272	1300	1275
	1512 1478 1513	
1289 1451 1562 1575	1547 1574 1561 1449	1286
	1512 1476 1510 (1'x1')	
1271 (2'x2')	1298	1269
871 (3'x3')	1030	869
626 (4'x4')	831	625

Mounting Height @ 24 inch(60cm)

690	826	695
803	906	806
918	989	921
	1050 1062 1051	
1006 1060 1098 1109	1106 1107 1096 1058	1002
	1049 1060 1048 (1'x1')	
919 (2'x2')	987	917
802 (3'x3')	900	800
689 (4'x4')	824	686

Mounting Height @ 36 inch(90cm)

642	710	646
723	776	726
790	820	792
	839 849 840	
769 801 833 853	855 850 830 800	767
	838 846 837 (1'x1')	
790 (2'x2')	817	788
721 (3'x3')	775	720
642 (4'x4')	708	640
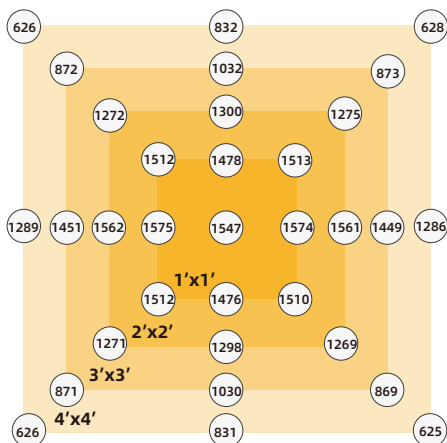
MORE LED GROW LIGHT RECOMMEND
From 100 watts to 2000 watts

- Keep healthy mothers for ages
- Save over 60% electricity
- Harvest increase more than 30%
- Sun-like spectrum 2700-6500K
- Perfect light distribution
- Boost branching & clone production

OUR MISSION:

- 01.Delivering the highest quality, plant-loving light to your crops is one of our two primary aims at Grow Light Science.
- 02.Our second aim is to offer lower LED fixture cost. Our strategy is to give your plants what they need to flourish while giving you what you need most—exceptional ROI and more money in your pocket.