SunDro

LED Grow Bar System

LED Horticultural Lighting

SAMSUNG   **OSRAM**

ETL
INTERTEK
LISTED
CM
Control no.5020066

DLC QPL
DLC
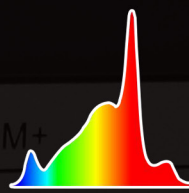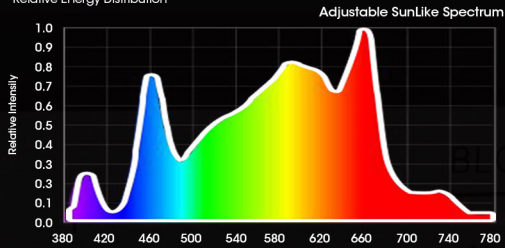LISTED
PREMIUM

C E

FC
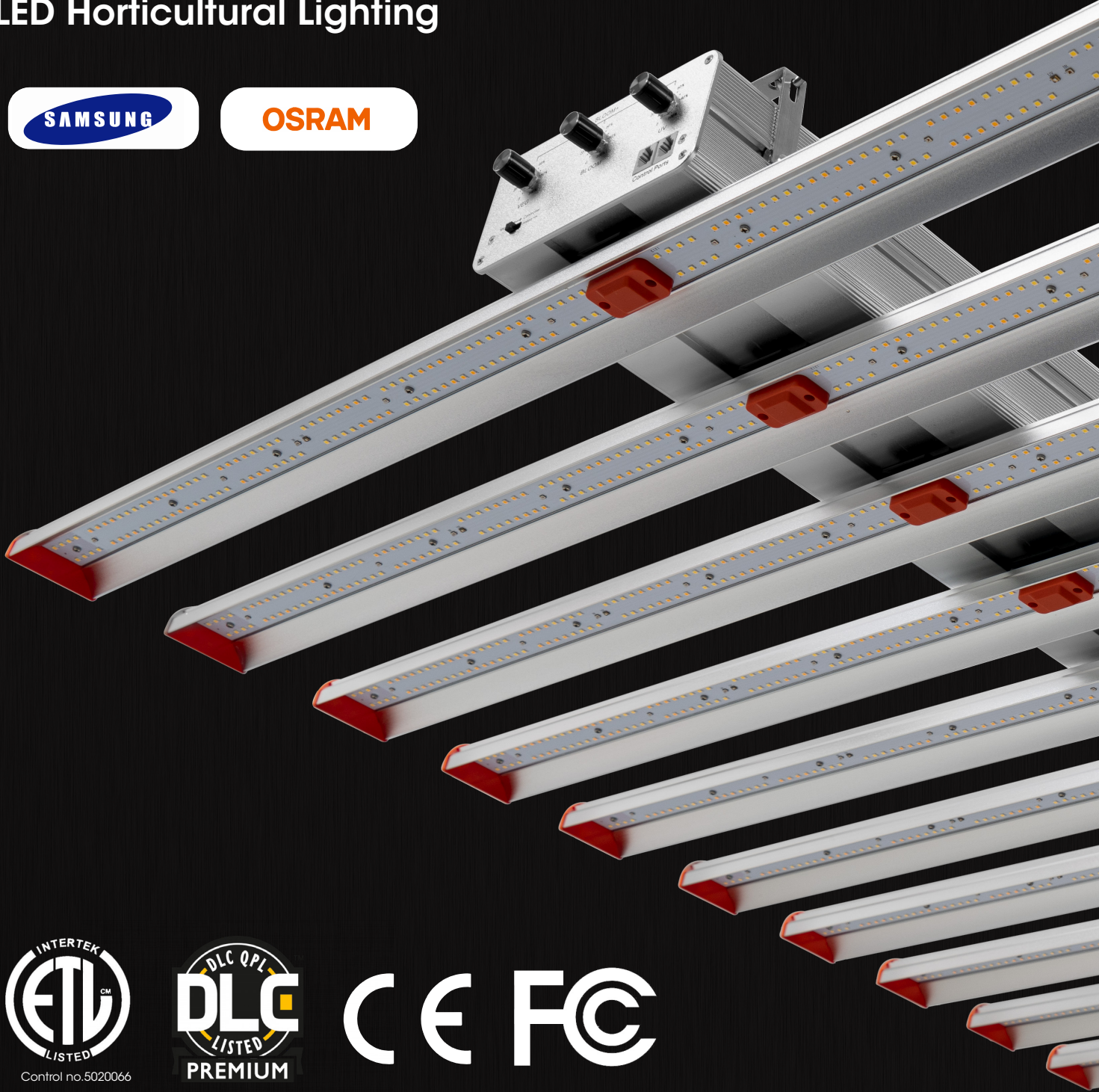
TECHNICAL DATASHEET

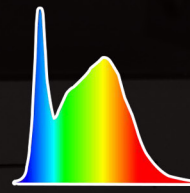Perfect Replacement For Conventional Growing Lights

COMMERCIAL GROWERS MAXIMIZE YOUR-YIELDS AND PROFITS
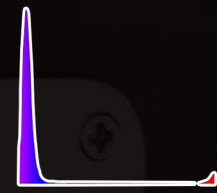
Selected Spectrum For Optimum Growth

Spectrophotocolorimeter Test Report
Relative Energy Distribution

Adjustable SunLike Spectrum

Bloom Switch   VEG Switch   UV Switch

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.

Top Features:

Top Bin Samsung LM301B/H Diode

High Energy Efficiency with 2.9 umol/J, make you get 30% higher yield compare OLD blurple led lights; Max 2.5g yield per wattage (power draw), achieve maximum quality and quantity, much better than traditional HPS grow systems.

Full Sunlike Spectrum

Idea for all growth stages, excellent full spectrum- mixed with white, blue, red and UV,IR LED (3000K, 5000K, 660nm and IR 730nm & 395nm UV)

3 Channels (VEG, Bloom, UV)

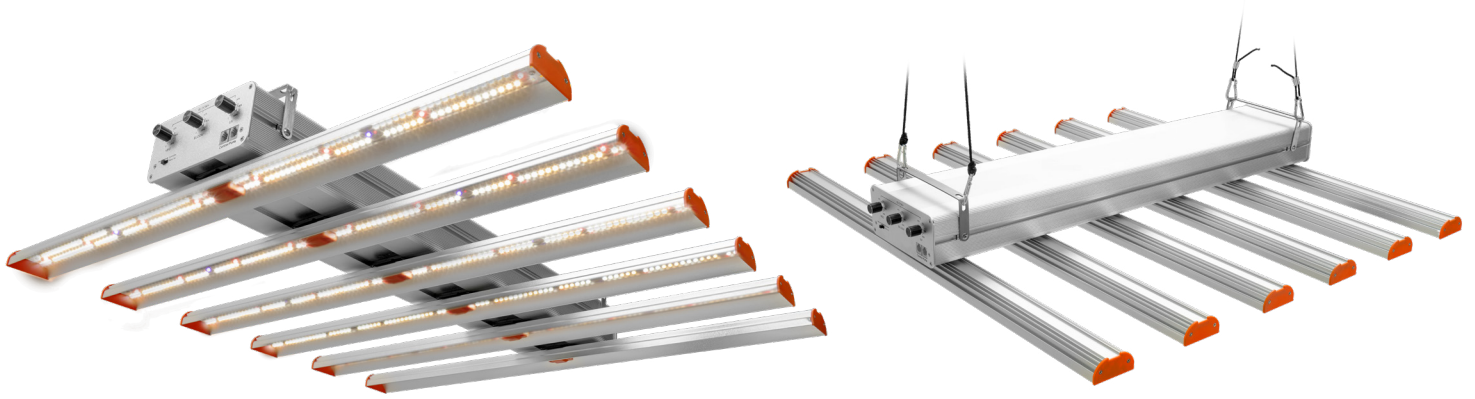Freely adjust the lightings according to different growing stages
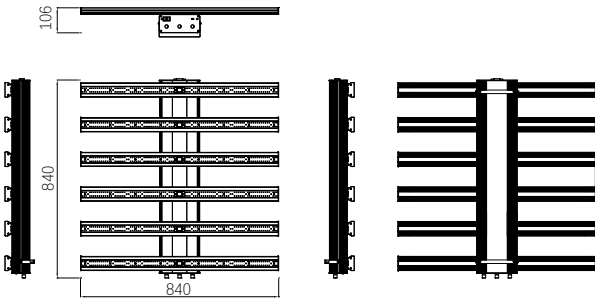
'Clip In' And 'Clip Out'

The light bars are 'clip in' and 'clip out' making for super easy assembly and maintenance.
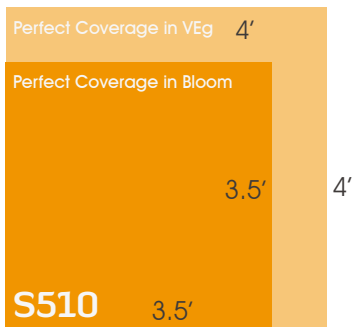
S510/Lm301H
SunDro™ LED Grow 6 Bar System

DIMENSIONS:

106
840
840

COVERAGE AREA:

Perfect Coverage in VEg	4'
Perfect Coverage in Bloom	
	3.5' 4'
S510 3.5'	

TECHNICAL SPECIFICATIONS:

LED Source	Top-Bin Samsung LM301H diodes
Power Draw (W)	510W
HPS Equivalent	1000W
Par Efficiency	2.8 μmol/J
PPF	1428 μmol/S
Emitting Color:	3000K/5000/RED 660nm/UV/IR
Input Voltage	Autosensing 90-305V
Beam Angel	120°
Mounting Height	18" - 36" above canopy
Thermal Management	Passive cooling
Max. Ambient Temperature	95°F / 35°C
Dimming	Manual & Rj11 controller
Operating Temp	-20°C ~ 40°C (-4°F ~ 104°F)
Lifetime	>100,000hrs
Warranty	5 Year

3 Channels:

CH 1 (Veg)	0-240W	5000K/576PCS
CH 2 (Bloom)	0-250W	3000K/432PCS 660NM/48PCS,730NM/12PCS
CH 3 (UV)	0-20W	395NM/12PCS
All ON (Bloom+)	0-510W	During BLOOM for the best yield.

PPFD CHART:

Mounting Height @12 inch(30cm)

261 489 262
432 668 432
923 1340 923
1305 1373 1307
512 786 1168 1397 1458 1396 1167 785 510
1'x1'
1305 1371 1304
921 2'x2'
1139 920
432 3'x3'
666 430
262 4'x4'
489 260

Mounting Height @24 inch(60cm)

458 490 458
536 624 536
723 798 726
879 896 880
636 740 854 916 930 915 852 739 635
1'x1'
879 895 878
723 2'x2'
796 720
536 3'x3'
623 535
458 4'x4'
489 457

Mounting Height @36 inch(90cm)

473 436 473
521 546 523
602 624 603
641 653 645
542 618 642 654 657 653 640 617 540
1'x1'
641 652 640
602 2'x2'
620 600
523 3'x3'
545 520
472 4'x4'
434 470
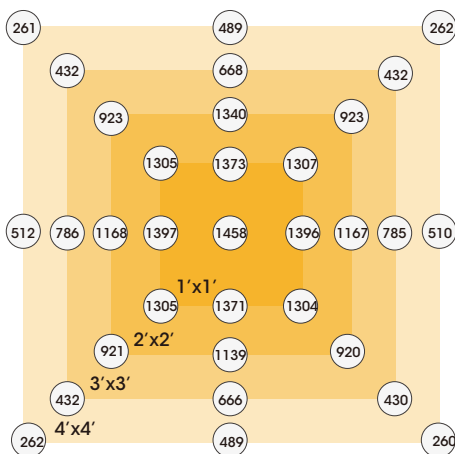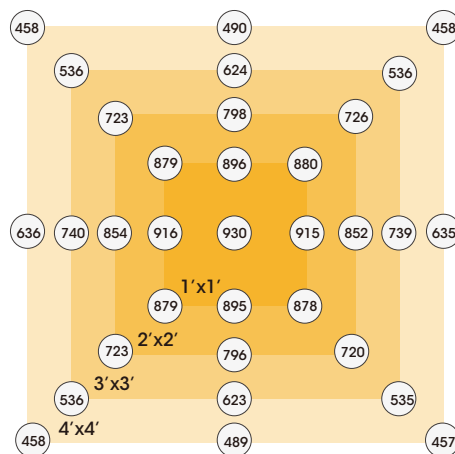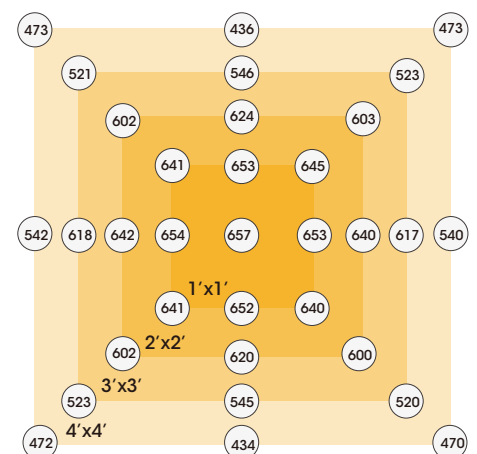
S700/Lm301H
SunDro™ LED Grow 8 Bar System
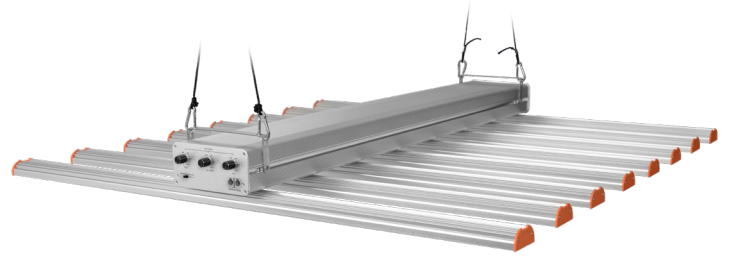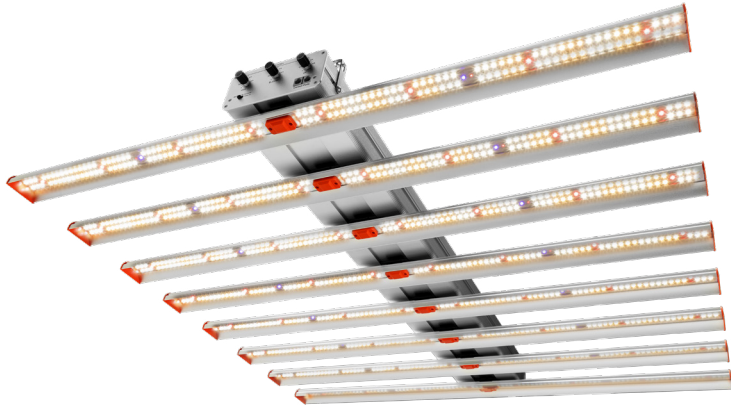
DIMENSIONS:
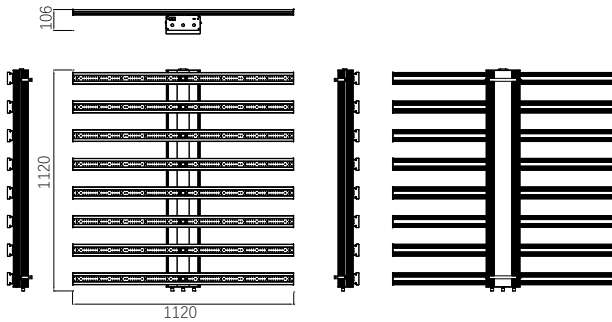
106

1120

1120

1120

COVERAGE AREA:

Perfect Coverage in VEg   5'

Perfect Coverage in Bloom

4.5'   5'

S700   4.5'

4.5'
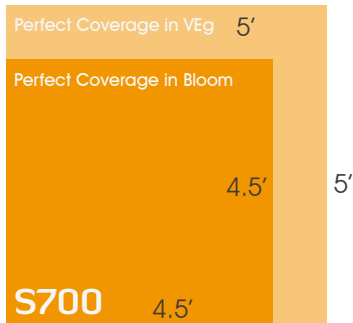
TECHNICAL SPECIFICATIONS:

LED Source	Top-Bin Samsung LM301B diodes
Power Draw (W)	700W
HPS Equivalent	1200W
Par Efficiency	2.8 µmol/J
PPF	1988 µmol/S
Emitting Color:	3000K/5000/RED 660nm/UV/IR
Input Voltage	Autosensing 90-305V
Beam Angel	120°
Mounting Height	18" - 36" above canopy
Thermal Management	Passive cooling
Max. Ambient Temperature	95°F / 35°C
Dimming	Manual & Rj11 controller
Operating Temp	-20°C ~ 40°C (-4°F ~ 104°F)
Lifetime	>100,000hrs
Warranty	5 Year

3 Channels:

CH 1 (Veg)	0-340W	5000K/768PCS
CH 2 (Bloom)	0-335W	3000K/576PCS 660NM/64PCS,730NM/16PCS
CH 3 (UV)	0-25W	395NM/16PCS
All ON (Bloom+)	0-700W	During BLOOM for the best yield.

PPFD CHART:

Mounting Height @*12 inch(30cm)*

631	766	633
831	985	833
1123	1212	1124
1284	1310	1285
721 1029 1230 1307	1323	1306 1229 1028 720
1282	1309	1283
1121	1211	1120
831	984	830
631	765	630

1'x1'
2'x2'
3'x3'
4'x4'

Mounting Height @*24 inch(60cm)*

714	706	714
815	868	813
958	995	957
1038	1042	1036
856 957 1009 1038	1043	1037 1007 953 851
1036	1040	1035
954	992	953
812	867	811
716	702	713

1'x1'
2'x2'
3'x3'
4'x4'

Mounting Height @*36 inch(90cm)*

627	609	623
706	756	704
802	836	802
839	854	840
703 782 812 833	845	832 810 780 701
839	850	838
801	834	800
705	754	702
627	608	625

1'x1'
2'x2'
3'x3'
4'x4'

S1000/Lm301H
SunDro™ LED Grow 10 Bar System
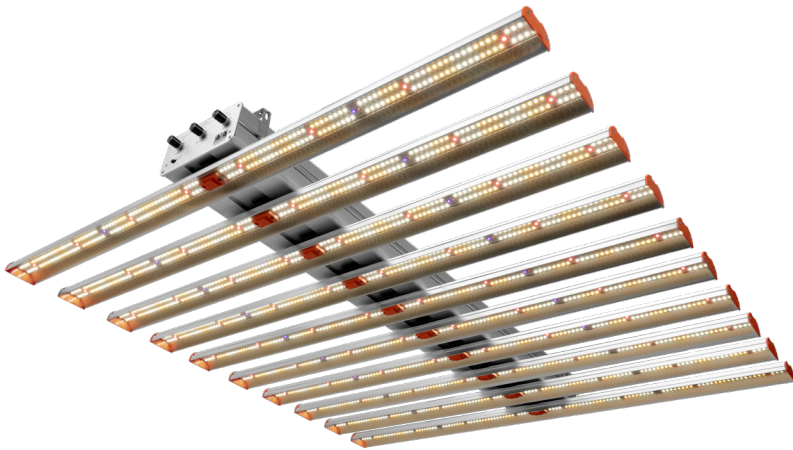
DIMENSIONS:
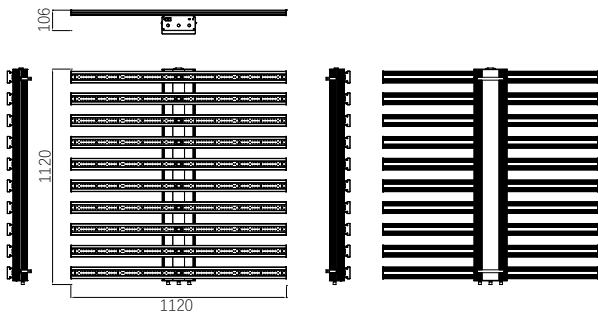
106
1120
1120

COVERAGE AREA:

Perfect Coverage in VEg — 6'

Perfect Coverage in Bloom

5'   6'

S1000 5'
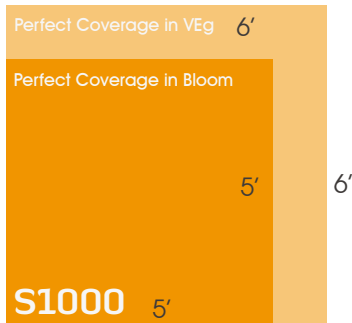
TECHNICAL SPECIFICATIONS:

LED Source	Top-Bin Samsung LM301b diodes
Power Draw (W)	1000W
HPS Equivalent	2000W
Par Efficiency	2.8 μmol/J
PPF	2800 μmol/S
Emitting Color:	3000K/5000/RED 660nm/UV/IR
Input Voltage	Autosensing 90-305V
Beam Angel	120°
Mounting Height	18″ - 36″ above canopy
Thermal Management	Passive cooling
Max. Ambient Temperature	95°F / 35°C
Dimming	Manual & Rj11 controller
Operating Temp	-20°C ~ 40°C (-4°F ~ 104°F)
Lifetime	>100,000hrs
Warranty	5 Year

3 Channels:

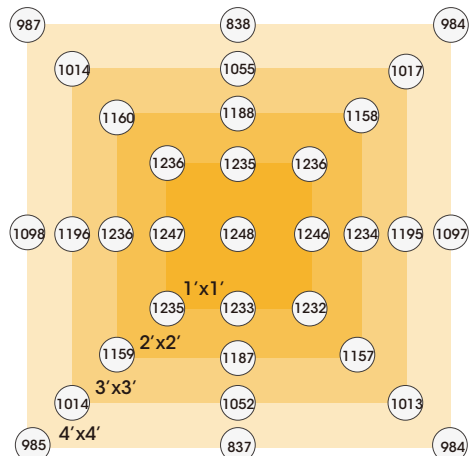| CH 1 (Veg)	0-483W	5000K/1280PCS
CH 2 (Bloom)	0-482W	3000K/960PCS 660NM/80PCS,730NM/20PCS
CH 3 (UV)	0-35W	395NM/20PCS
All ON (Bloom+)	0-1000W	During BLOOM for the best yield.

PPFD CHART:

Mounting Height @12 inch(30cm)

1017	1001	1019
1198	1331	1120
1709	1695	1710
1947	1907	1946

1525 1800 1964 1995 1965 1997 1962 1799 1523

1'x1'
1945 1904 1943
2'x2'
1708 1691 1707
3'x3'
1197 1329 1196
4'x4'
1017 999 1015

Mounting Height @24 inch(60cm)

1039	962	1040
1120	1150	1110
1347	1387	1350
1505	1507	1504

1334 1433 1520 1546 1546 1544 1518 1432 1331

1'x1'
1504 1504 1502
2'x2'
1348 1384 1346
3'x3'
1109 1148 1108
4'x4'
1038 960 1037

Mounting Height @36 inch(90cm)

987	838	984
1014	1055	1017
1160	1188	1158
1236	1235	1236

1098 1196 1236 1247 1248 1246 1234 1195 1097

1'x1'
1235 1233 1232
2'x2'
1159 1187 1157
3'x3'
1014 1052 1013
4'x4'
985 837 984

"Rj11
Industrial RJ11

Master Controller
Touch Screen

The master controller puts you in control of your gardens. A single controller can control a single light in a grow tent or a 1000 light commercial operation.

Features:

- A Single Controller Runs an Unlimited Number of Lights.

- Sunrise/Cloudy/Sunset DIY Setup.

- Digital Timer Eliminates the Need for External Timers or Contactors.

- User-defined Grow Schedules and Spectrum for Specific Strain.

- Controls Separate Veg, Bloom and UV.

- Uses Standard RJ11 Data Cables.

Technical Specifications:

Control voltage outputs: 2 Zones (Groups). 1/2

Numbers of control channels: 3

Numbers of lights per output: 50 pcs max

Max. cable length per group: 100 meters

Match LED Fixture: unlimited

Power Dimming Scope: 0 - 100%

Power consumption: < 4.5W

Input voltage: DC12V (Output: 0 - 10V)

Dimension & Weight: L145xW88xH35mm, 0.3kg

Working temperature: - 20-50℃

Eco Knob Controller

Branch controller is available to control two lighting groups and three lighting channels.

Brightness 0-100% adjustable to control light output,The controller operates on a 8 timing modes.

Technical Specifications:

Control voltage outputs: 2 Zones (Groups). 1/2

Numbers of control channels: 3

Numbers of lights per output: 50 pcs max

Max. cable length per group: 100 meters

Power consumption: <4W

Input voltage: DC12V

Output: 10V PWM 3KHz (customizable)

Dimension & Weight: L145xW61xH30mm, 1.0 kg

Working temperature: -20-50℃

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

Sunplusled.com 🔍

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.

SGS TÜVRheinland ISO UL ETL CE RoHS