



**AgriLumia**™

<https://www.agrilumia.com>

**Conluxs** Lighting has been dedicated to leading LED lighting technology since 2009, fully leveraging the advantages of LED energy efficiency and long lifespan. We specialize in designing, researching, and producing high-quality, high-standard LED lighting sources and fixtures tailored to different commercial project specifications and applications.

Over the years, Conluxs Lighting has undertaken numerous renowned projects, including the PSA Peugeot Citroën automobile factory, BMW showroom, Cummins Engine factory, Morrison gasoline station, and Shell station, among others. Our commitment to prompt response and highly market-oriented strategies continually inspires product development.

In this process, we are proud to introduce our plant lighting brand, **Agrilumia**. As a plant lighting brand of Conluxs Lighting, Agrilumia aims to provide innovative LED lighting solutions for agriculture.

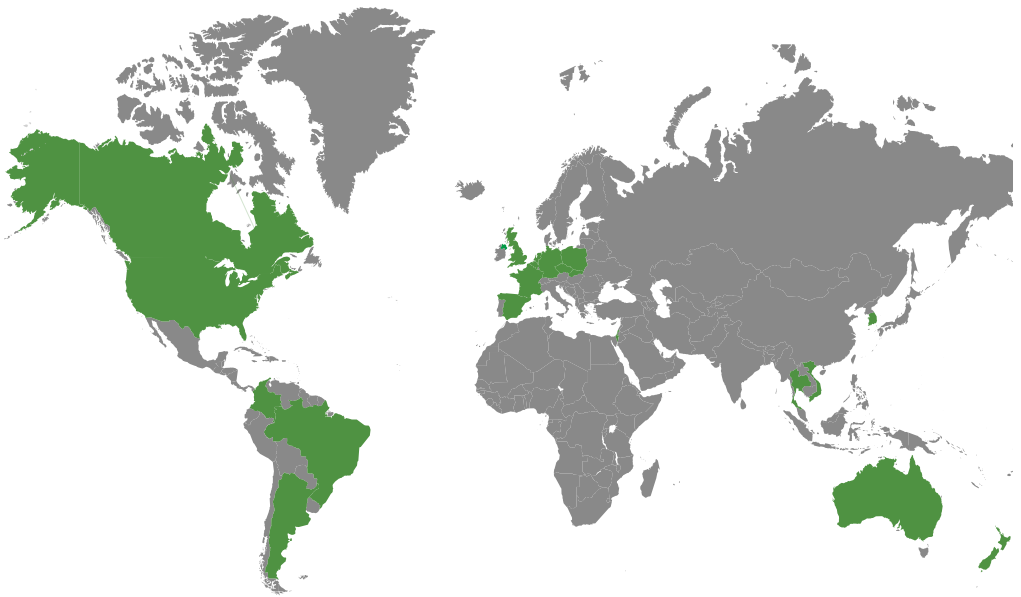
We continuously explore new possibilities and innovations, striving to create the next generation of luminaires. In the future, Conluxs Lighting will continue to provide high-quality LED products, dedicated to working together to create a brilliant future.

**Agrilumia**™

<https://www.agrilumia.com>

**OEM manufacturing service for customers all over the world**

# Empower Business Growth



Our LED plant lights are revolutionizing indoor farming and greenhouse cultivation worldwide. Designed to meet the diverse needs of our global clientele, our cutting-edge LED technology is at the forefront of sustainable agriculture.

Indoor farming has become increasingly popular due to its ability to overcome environmental constraints and produce high-quality crops year-round. Our LED plant lights play a crucial role in this revolution, providing the ideal spectrum of light for photosynthesis and promoting optimal growth conditions for a wide range of crops.

From leafy greens to flowering plants, our LED plant lights cater to the specific requirements of each stage of plant development. Whether it's germination, vegetative growth, or flowering, our lights deliver consistent and uniform illumination to maximize yields and quality.

In addition to indoor farms, our LED plant lights are widely used in greenhouse environments. By harnessing the power of LED technology, greenhouse growers can extend their growing seasons, increase crop yields, and enhance crop quality while reducing energy consumption and environmental impact.

At Conluxs Lighting, we are committed to advancing the future of agriculture through innovation and sustainability. Our LED plant lights are not just a product but a solution—a solution that empowers growers around the world to cultivate healthier, more abundant crops, all while minimizing their carbon footprint. Join us in illuminating the path to a greener, more sustainable future with our LED plant lights.



# **BEST** *solution*

**Each plant species possesses unique requirements, and our expertise allows us to discern these needs accurately, offering precise solutions tailored to each species.**

We specialize in the research and development of cutting-edge lamps and LED modules tailored for horticultural applications. Leveraging advanced technology, our products are meticulously engineered to empower growers in enhancing harvest yields, optimizing the nutraceutical properties of plants, extending the growing season for summer crops, and ensuring consistent production even during winter months.

# Which types of crops are you looking to cultivate?



## INTENSIVE CROPS

Our innovative lighting solutions ensure continuous and reliable year-round production of Solanaceae (such as tomatoes and eggplants) and Cucurbitaceae (including cucumbers and melons). By tailoring light spectra to the specific needs of each crop, we optimize growth conditions, leading to increased yield and quality. Furthermore, our technology extends the shelf life of produce and promotes greater plant compactness, thereby reducing labor requirements for cultivation.

### GROWING

- GREENHOUSE
- VERTICAL FARM

### SPECTRA

- Hortis spectrum
- Fruits spectrum (intracanopy)
- Extended White spectrum "Come il Sole" ("Like the sun")

### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES



## ALGAE

Cultivating edible algae like spirulina and chlorella for fresh or freeze-dried products is a season-independent business highly praised by the food supplement industry. With LED grow lights, we accelerate algae growth, ensuring earlier harvests and antioxidant-rich products, boosting market value. This technology not only enhances efficiency but also meets rising consumer demand for healthy foods, revitalizing the food supplement industry.

### GROWING

- GREENHOUSE
- VERTICAL FARM

### SPECTRA

- Purple EV0 spectrum
- Custom spectrum
- 

### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES



## SMALL FRUITS

Raspberries, strawberries, blackberries, and blueberries are archetypal summer crops that require special care and ample sunlight. Fortunately, with the aid of LED grow lights, fruit growth can be modulated to achieve higher yields, firmer fruits, and brighter colors, thereby enhancing their marketability.

### GROWING

- GREENHOUSE
- VERTICAL FARM

### SPECTRA

- Fruits spectrum

### LAMPS

- XTAC LIGHT SERIES
- XTRAY LIGHT SERIES



## MUSHROOMS

Mushrooms encompass a diverse array of species, with chestnut mushrooms and others enjoying widespread popularity. With the adoption of Agrilumia's LED plant light technology, we can notably enhance mushroom characteristics, increasing size and reducing the time between harvests. This innovation not only boosts mushroom quality but also enhances production efficiency, revolutionizing the mushroom cultivation industry.

### GROWING

- GREENHOUSE
- VERTICAL FARM

### SPECTRA

- Mushroom spectrum

### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES



### ORNAMENTAL PLANTS

Agrilumia's LED grow light technology ensures successful cultivation of various floral products like roses, African daisies, chrysanthemums, tulips, peonies, and daffodils. This innovation results in longer, sturdier stems, earlier and more uniform flowering, and denser flower clusters, revolutionizing the floral cultivation industry.

#### GROWING

- GREENHOUSE
- VERTICAL FARM

#### SPECTRA

- Bloom spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES
- XTUBE LIGHT SERIES



### LEAFY VEGETABLES

Leafy vegetables such as lettuce, chicory, thyme, parsley, basil, and others, thrive under Agrilumia LED grow lights. These lights shorten production cycles, ensure year-round prosperity, and facilitate flowering control. This technology boosts yield and quality while enhancing economic efficiency and convenience for growers.

#### GROWING

- GREENHOUSE
- VERTICAL FARM

#### SPECTRA

- Hortis spectrum
- Natural Indoor spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES
- XTUBE LIGHT SERIES



### YOUNG LEAFS

Agrilumia's research aims to secure early harvests for young leafy crops like lettuce, rocket, spinach, corn salad, and cabbage. With our LED grow lights, we optimize growth conditions to achieve quicker growth cycles of 20-40 days, enabling multiple annual harvests and maximizing yields for growers.

#### GROWING

- GREENHOUSE
- VERTICAL FARM

#### SPECTRA

- Natural Indoor spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES
- XTUBE LIGHT SERIES



### MICROGREEN

Microgreens, often referred to as "baby" vegetables, are harvested upon sprouting their first two true leaves, usually within 7 to 20 days of planting. These crops are distinguished by their exceptionally high levels of vitamins and antioxidants. With the aid of Agrilumia LED growth lights, the nutrient content in microgreens can exceed that of traditional vegetables by up to 40 times, making them a nutritional powerhouse.

#### GROWING

- GREENHOUSE
- VERTICAL FARM
- GROW UNIT

#### SPECTRA

- Natural spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTUBE LIGHT SERIES



### HEMP/CANNABIS

Agrilumia provides solutions for the production of hemp inflorescences for active principle extraction. Our technology accelerates production and reduces internode length, resulting in increased flower quantity and dry matter in the harvested product. This leads to reduced drying costs and higher production yields.

#### GROWING

- GREENHOUSE
- VERTICAL FARM

#### TENT

#### SPECTRA

- Purple spectrum
- Hortis spectrum
- Extended White spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTAC LIGHT SERIES
- XLITE LIGHT SERIES



### MICROPROPAGATION

Pre-field planting stages of micropropagated fruit plants, including cell multiplication, elongation, rooting, and acclimatization, are conducted in a sterile environment to ensure certified, virus-free material. Agrilumia LED grow lights facilitate these processes, enabling the production of high-quality, disease-free plant material.

#### GROWING

- VERTICAL FARM

#### SPECTRA

- Micro-propagation spectrum

#### LAMPS

- XTRAY LIGHT SERIES
- XTUBE LIGHT SERIES



### SUNLIGHT

The Sunlight spectrum is used in XTRAY and XLITE light applications for greenhouse production mainly of Cucurbitaceae e.g. melon, watermelon or cucumber.



### BLOOM

The Bloom spectrum is indicated to mainly induce flowering and is therefore chiefly used for ornamental crops.



### FRUITS

The Fruits spectrum is particularly suitable for small fruits such as strawberries, blueberries and raspberries in greenhouse production set-ups.



### NATURAL

The Natural spectrum, specific for delicate plants often found in nurseries. Grafted seedlings or seedlings that must become acclimatised to the open field can benefit from this light; excellent spectrum for microgreen growing.



### HORTIS

The Hortis spectrum is the main spectrum for many horticultural crops to be grown in greenhouses, mainly edible or herb type leafy crops, but also products suitable for indoor growing. It is used as Toplight for intensive tomato growing.



### PURPLE EVO

The Purple EVO spectrum is the spectrum commonly used for the production of algae in tanks or in photobioreactors.



### PURPLE

The Purple spectrum is the most indicated spectrum for the production of medicinal hemp.



### NATURAL INDOOR

The Natural Indoor spectrum is particularly suitable for the production of leaf and herb varieties, in production environments where the influence of outdoor lighting is reduced, such as in plant factories, in vertical farming or in containers.



### MICRO PROPAGATION

Highly recommended to support the growth of micropropagated plants, this light is also suitable for small fruits in indoor environments such as in plant factories and vertical farming.



### EXTENDED WHITE

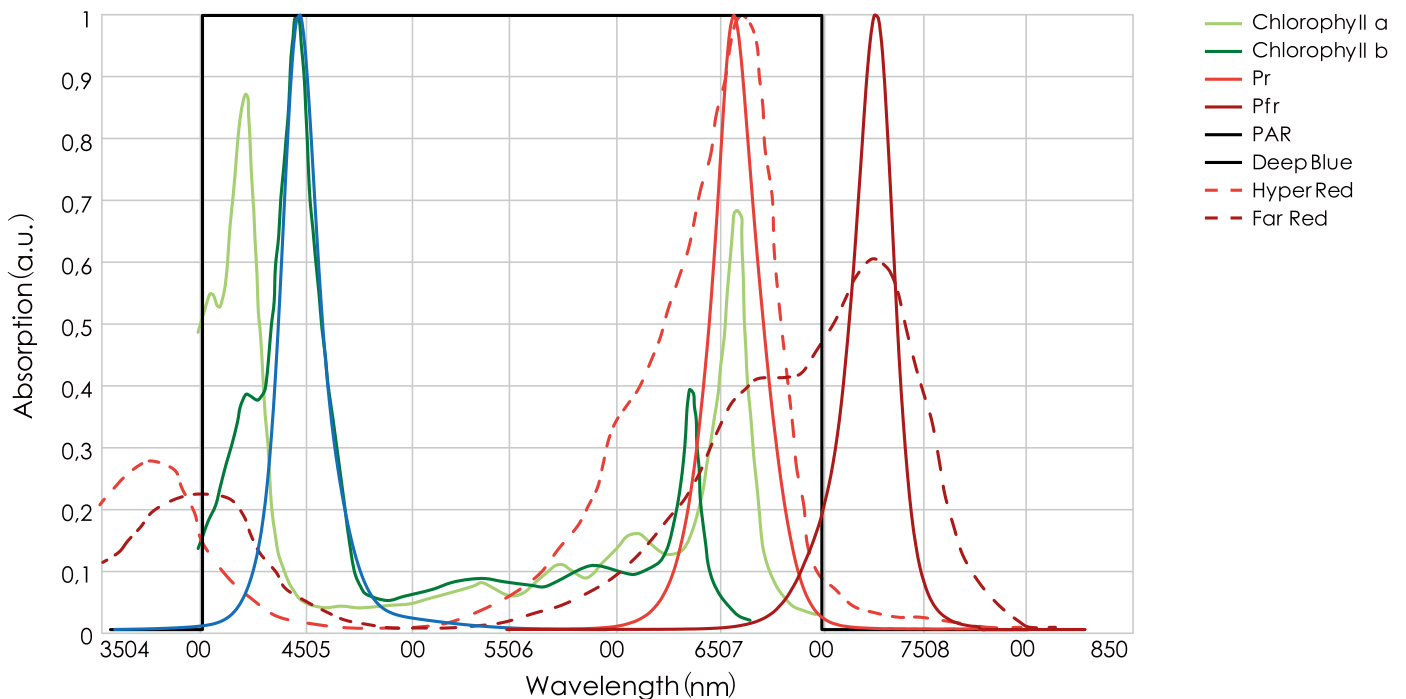
"Like the sun". From HPS (High Pressure Sodium) to HPL (High Performance LED)



### MUSHROOMS

Specific spectrum for mushroom growing.

Light Absorption vs Wavelength



Each sort of plant needs its own tailored Spectral Power Distribution (SPD) to achieve the best results. The Agrilumia portfolio provide the perfect illumination and light recipes for all kinds of plants and flowers.



## INCREASE PRODUCTION EFFICIENCY

By drawing less power at the wall and producing less heat our LED grow lights will reduce the operating cost of your facility.



## INCREASE LIFESPAN

Our commercial LED lights have a minimum lifespan of 50,000 hours before any light degradation of the LED diodes. That's 11.5 years on a 12/12 cycle.



## ENERGY SAVINGS

The power drawn at the wall is 35-45% less than traditional HID lighting systems while providing the same amount of light energy.



## LOWER OPERATING TEMPERATURE

Our commercial LED lights produce only 40 - 50% of the heat of HID lighting, dramatically lowering HVAC costs.



## ENVIRONMENT FRIENDLY

Our LED grow lights are 100% recyclable, unlike HID and fluorescent lights, they do not contain toxic substances like Mercury. Our lights are certified by RoHS, guaranteeing environmentally conscious manufacturing practices.



**>> Xtray series  
Foldable grow light**



**SIMPLE TO  
INSTALL**



**ELECTRICITY  
SAVINGS**



**LONG LIFE**



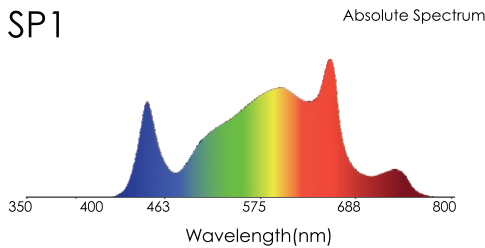
**FULL SPECTRUM**



**HEAT  
MANAGEMENT**



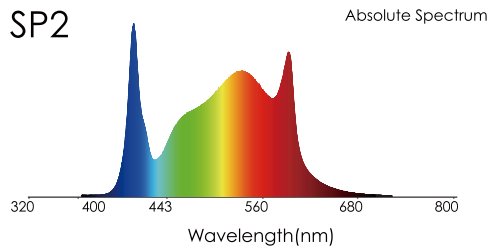
# SPECTRUM OPTIONS



SP1

## Cannabis Flowering Cultivation

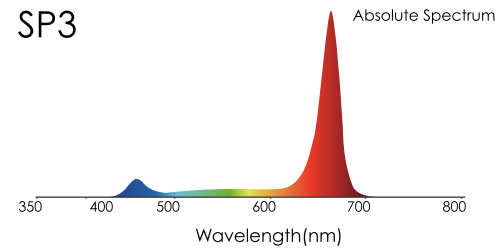
Design for fill up a deficiency of 460nm(blue) and 660nm(red) spectrum. Tailored for rapid growing of cannabis' full growth stage, from the propagation to aging door environments, including the germination, clones, vegetative growth and flowering applications. It offers a comfortable working environment with the CRI level of 83.



SP2

## Cannabis Vegetative Cultivation

Design for fill up a deficiency of 460nm(blue) and 660nm (red) spectrum and used to the inhibition of stem elongation by the HPS and sun's far red radiation. Suitable for the greenhouse and indoor farms. Also it's an ideal solution for cannabis vege -tative growth stage. It offers a comfortable working environment with the CRI level of 83.



SP3

## Greenhouses Supplemental Lighting

Design for fill up a deficiency of 460nm(blue) and 660nm (red) spectrum and used to the under canopy light and help the shield plants, Suitable for the greenhouse and indoor farms. it works with our XD1-8-1000W together for indoor or works with XD1-6-600W greenhouse together, it has been proven to increase by extra 12-15% yield.

# Customized Spectrum

The Customized Spectrum feature of LED grow lights is an innovative technology designed to provide plants with a personalized lighting environment to meet their specific light requirements at different growth stages.

Traditional white LED grow lights often offer fixed spectra, unable to meet the specific light requirements of different plants. The Customized Spectrum technology allows users to flexibly adjust the spectra of LED lights based on the plant species, growth stages, and environmental conditions, providing the most suitable lighting for plants.

With the Customized Spectrum feature, users can precisely control the proportions of different wavelengths of light, adjusting the ratios of red, blue, green, and other spectral components to achieve optimized growth effects. For example, during the germination stage, increasing the proportion of blue light can promote leaf growth and plant structure development, while during flowering, increasing the proportion of red light can enhance the quality and yield of flowers.

The application of Customized Spectrum technology not only improves the growth rate and quality of plants but also saves energy, reduces light pollution, and enhances planting efficiency and yield. Therefore, it has become one of the important technological innovations in modern indoor cultivation, receiving widespread attention and recognition from growers and agricultural experts.

UV IR



UV IR+Full Spectrum



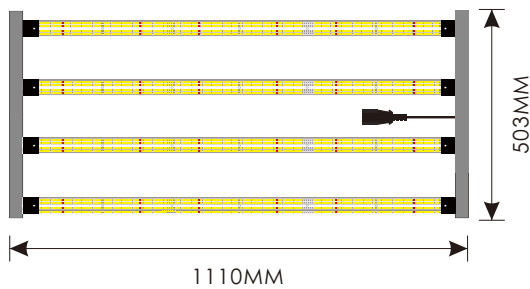
# XD1-4-400W-5



## TECHNICAL SPECIFICATIONS

Light Source	SUNMUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	1120µmol/s			
Efficacy	2.8µmol/j			
Light Efficacy	160lm/W			
Lumen output	64000lm			
Input Power	400W±5%			
Power factor	>0.95			
Input Voltage(AC)	110V	220V	240V	277V
Input Current at 100%	3.6A	1.9A	1.7A	1.5A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	4pcs			
Weight	7.1kg			
Dimensions	1110 x 503 x 60mm			

## DIMENSIONS

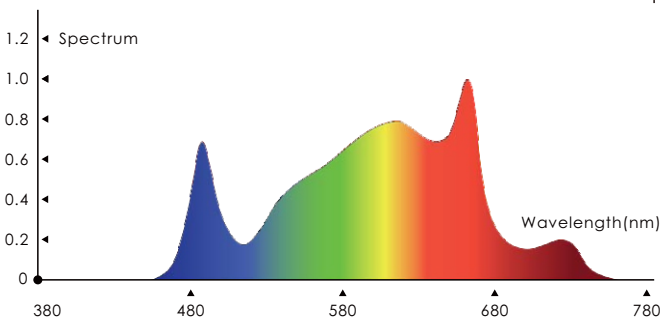


## PPFD Value

Height: 12"(30.5cm)

4FT	866	879	819	828	853	858	849		
3.5	852	1278	1272	1266	1277	1295	828		
3	858	1265	1650	1778	1787	1305	858		
2.5	820	1262	1664	1922	1743	1288	815		
2	834	1326	1732	1764	1695	1295	816		
1.5	870	1308	1313	1322	1320	1292	833		
0.5	846	858	849	846	837	830	821		
0									
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	450	480	494	525	513	500	499		
3.5	498	540	557	569	570	575	497		
3	510	626	660	663	675	579	501		
2.5	534	640	657	828	669	599	528		
2	524	612	670	666	683	561	520		
1.5	458	608	602	599	579	596	495		
0.5	462	486	494	489	483	479	467		
0									
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

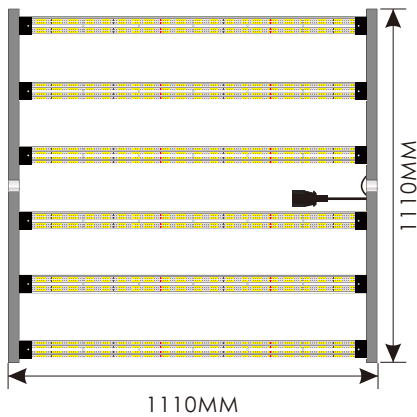
# XD1-6-640W-11



## TECHNICAL SPECIFICATIONS

Light Source	SUNMUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	1792μmol/s			
Efficacy	2.8μmol/j			
Light Efficacy	160lm/W			
Lumen output	102400lm			
Input Power	640W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	5.4A	3.1A	2.8A	2.5A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	6pcs			
Weight	14.2kg			
Dimensions	1110 x 1110 x 60mm			

## DIMENSIONS

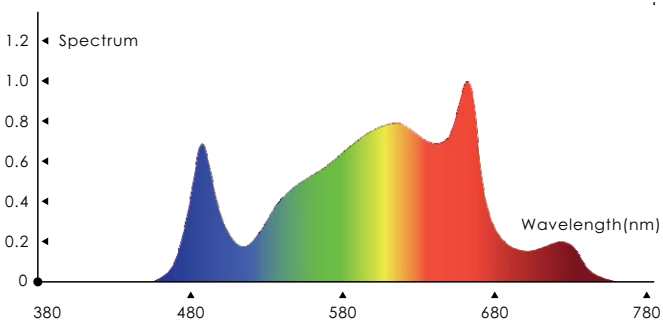


## PPFD Value

Height: 12"(30.5cm)

4FT	463	531	576	564	582	593	581	495	
3.5	628	767	832	862	866	845	756	634	
3	719	902	1012	1045	1056	1025	892	705	
2.5	730	940	1060	1119	1126	1071	925	718	
2	712	935	1055	1124	1129	1074	924	726	
1.5	705	897	1003	1069	1072	1028	872	721	
1	606	741	842	875	872	851	729	597	
0.5	388	509	534	562	535	497	451	392	
0	0	0	0	0	0	0	0	0	
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	506	554	579	581	582	593	581	495	
3.5	573	607	645	663	660	642	612	565	
3	602	647	703	726	723	700	652	598	
2.5	604	671	731	759	759	733	694	591	
2	591	671	727	755	758	733	672	597	
1.5	581	637	691	713	720	695	644	582	
1	492	551	614	635	636	620	573	475	
0.5	403	484	535	546	566	531	485	425	
0	0	0	0	0	0	0	0	0	
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

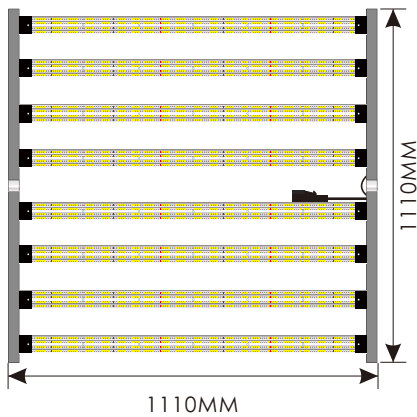
# XD1-8-800W-11



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	2240μmol/s			
Efficacy	2.8μmol/j			
Light Efficacy	160lm/W			
Lumen output	128000lm			
Input Power	800W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	6.7A	3.9A	3.5A	3.1A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	8pcs			
Weight	17.3kg			
Dimensions	1110 x 1110 x 60mm			

## DIMENSIONS

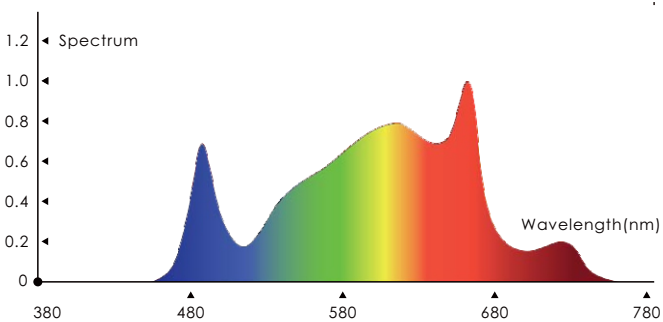


## PPFD Value

Height: 12"(30.5cm)

4FT	672	674	677	678	571	677	676	674	671
3.5	812	1006	1017	1036	1066	1033	1019	1004	811
3	944	1146	1283	1361	1542	1366	1281	1143	943
2.5	1035	1257	1363	1476	1677	1475	1361	1256	1038
2	1136	1499	1498	1503	1683	1500	1493	1498	1135
1.5	1036	1256	1362	1477	1675	1476	1361	1254	1036
1	943	1149	1283	1364	1541	1368	1286	1147	941
0.5	813	1005	1021	1041	1064	1031	1017	1009	812
0	673	675	677	679	680	678	676	675	674
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	575	577	579	561	554	582	578	576	577
3.5	646	841	845	859	863	857	843	839	644
3	726	837	849	853	1005	849	846	833	723
2.5	759	836	854	859	1109	856	851	833	757
2	791	1063	1105	1109	1143	1106	1101	1060	789
1.5	759	833	845	857	1106	853	849	831	756
1	723	836	845	851	1003	847	842	830	720
0.5	648	834	842	859	862	856	841	837	647
0	577	579	581	582	583	581	579	577	576
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

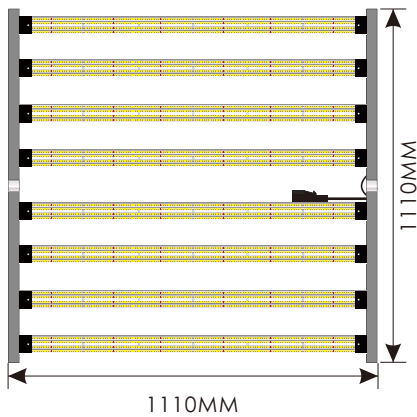
# XD1-8-1000W-11



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	2800µmol/s			
Efficacy	2.8µmol/j			
Light Efficacy	160lm/W			
Lumen output	16000lm			
Input Power	1000W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	8.5A	4.6A	4.3A	3.8A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	8pcs			
Weight	17.3kg			
Dimensions	1110 x 1110 x 60mm			

## DIMENSIONS

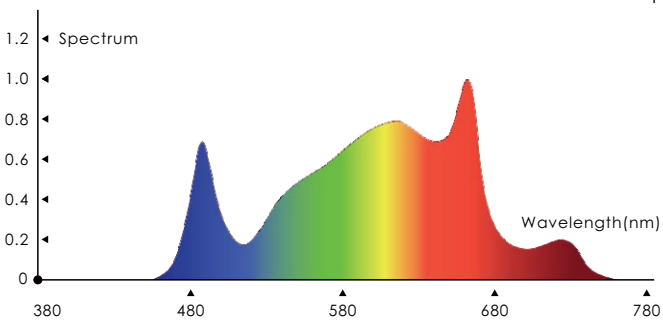


## PPFD Value

Height: 12"(30.5cm)

4FT	985	974	977	978	1068	977	976	974	945
3.5	986	1042	1107	1203	1496	1203	1102	1018	941
3	984	1106	1514	1661	1865	1666	1584	1103	943
2.5	1035	1157	1563	1753	1923	1726	1561	1156	1038
2	1106	1197	1609	1796	1976	1809	1631	1242	1121
1.5	1036	1156	1562	1714	1948	1782	1561	1154	1036
1	964	1109	1565	1364	1881	1368	1573	1147	985
0.5	968	1023	1101	1241	1512	1231	1107	1061	972
0	965	975	977	979	1080	978	976	975	971
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	824	835	845	851	863	842	838	826	805
3.5	836	965	975	979	1015	967	963	967	824
3	846	967	1023	1053	1197	1049	1011	963	833
2.5	859	966	1054	1198	1303	1175	1051	963	857
2	875	1011	1185	1321	1361	1290	1178	1028	882
1.5	869	953	1045	1184	1312	1235	1049	971	881
1	853	956	998	1001	1212	1047	1051	970	882
0.5	848	954	942	959	1057	956	941	977	884
0	845	859	861	872	878	871	879	881	886
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

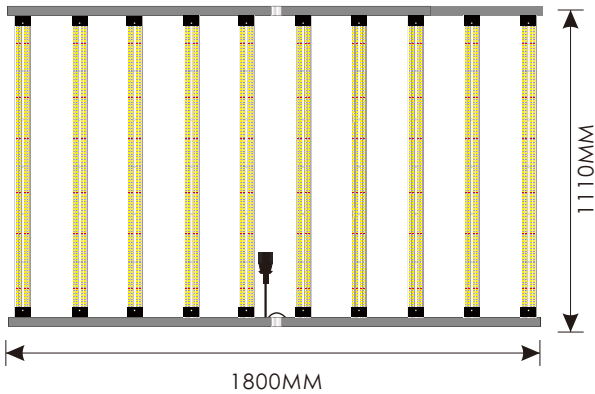
# XD1-10-1000W-18



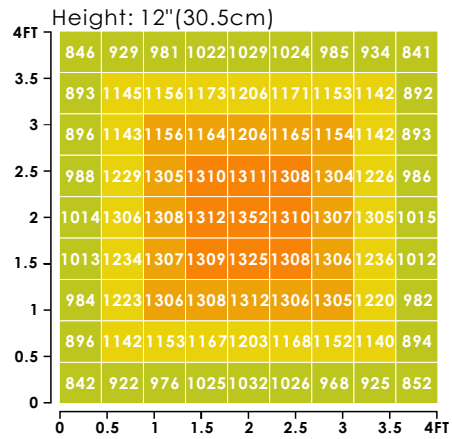
## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	2800μmol/s			
Efficacy	2.8μmol/j			
Light Efficacy	160lm/W			
Lumen output	160000lm			
Input Power	1000W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	8.5A	4.6A	4.3A	3.8A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	10pcs			
Weight	19.1kg			
Dimensions	1800 x 1110 x 60mm			

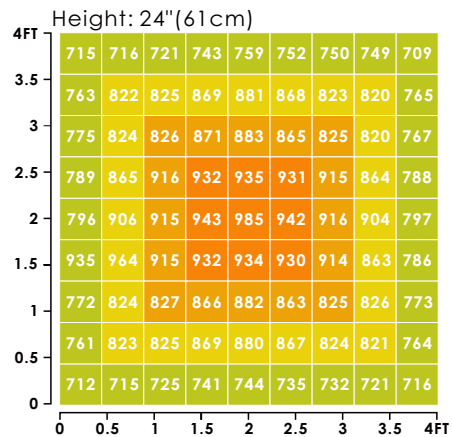
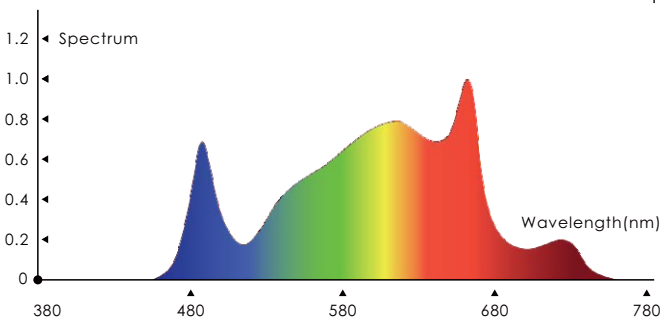
## DIMENSIONS



## PPFD Value



## Standard Spectrum



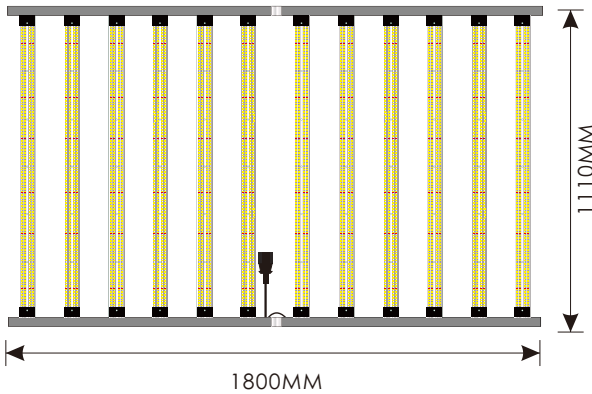
# XD1-12-1200W-18



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	3360μmol/s			
Efficacy	2.8μmol/j			
Light Efficacy	160lm/W			
Lumen output	192000lm			
Input Power	1200W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	11A	5.5A	5.0A	4.4A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	12pcs			
Weight	20.6kg			
Dimensions	1800 x 1110 x 60mm			

## DIMENSIONS

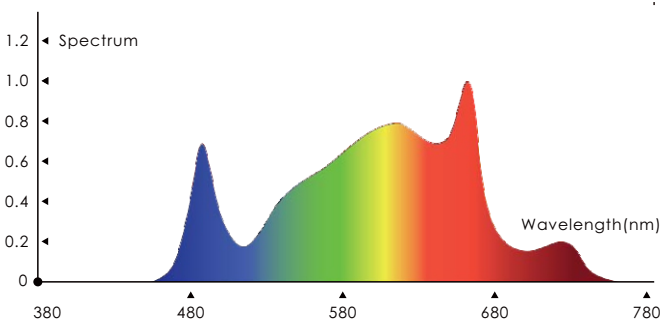


## PPFD Value

Height: 12"(30.5cm)

4FT	395	432	491	584	634	574	483	443	396
3.5	523	899	951	982	1051	992	946	887	531
3	635	894	944	1081	1331	1085	1082	1055	636
2.5	752	1064	1083	1087	1345	1088	1084	1061	746
2	808	1294	1299	1312	1350	1302	1295	1290	807
1.5	735	1062	1081	1084	1343	1085	1083	1052	741
1	634	951	1083	1084	1336	1082	1081	957	637
0.5	527	894	951	983	1040	987	942	896	526
0	392	436	497	584	630	586	496	435	394
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	384	394	431	457	486	453	437	396	381
3.5	465	563	648	736	793	735	647	562	468
3	497	632	679	766	817	762	677	631	495
2.5	513	692	767	843	849	851	763	694	513
2	534	775	836	867	857	895	833	771	531
1.5	518	697	758	856	859	854	761	693	577
1	493	627	682	763	814	764	679	628	492
0.5	463	568	653	738	794	731	649	564	462
0	385	397	433	459	488	455	431	394	383
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

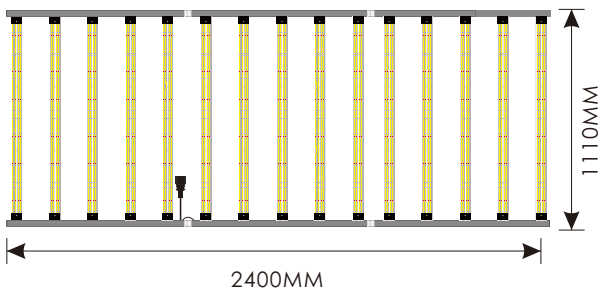
# XD1-15-1500W-24



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm+730nm			
PPF	4200μmol/s			
Efficacy	2.8μmol/j			
Light Efficacy	160lm/W			
Lumen output	240000lm			
Input Power	1500W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	12.5A	7.4A	6.4A	5.5A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	12pcs			
Weight	22.8kg			
Dimensions	2400 x 1110 x 60mm			

## DIMENSIONS

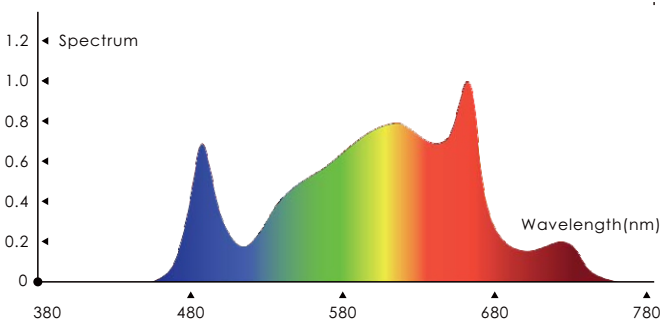


## PPFD Value

Height: 12"(30.5cm)

4FT	825	832	891	924	934	894	883	843	796
3.5	863	999	1051	1082	1252	1122	1046	989	831
3	935	1264	1289	1292	1431	1285	1282	1255	936
2.5	952	1064	1283	1387	1445	1388	1284	1261	946
2	1008	1294	1299	1312	1450	1302	1295	1290	1007
1.5	935	1262	1281	1286	1343	1285	1283	1252	981
1	934	1151	1283	1284	1336	1282	1281	1157	937
0.5	827	994	1051	1062	1240	1126	1042	986	826
0	812	836	897	899	930	896	896	835	794
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	684	699	742	857	886	853	737	696	681
3.5	773	745	749	839	893	835	747	742	768
3	793	798	848	866	917	862	837	791	790
2.5	812	821	874	895	949	891	863	798	799
2	843	921	936	948	957	945	933	925	836
1.5	814	826	863	897	949	894	861	823	811
1	792	798	847	869	814	914	864	796	794
0.5	763	796	653	834	942	894	831	793	765
0	687	674	742	856	888	852	739	676	688
	0	0.5	1	1.5	2	2.5	3	3.5	4FT



**>> XLITE QUANTUM  
grow light board**



**SIMPLE TO  
INSTALL**



**ELECTRICITY  
SAVINGS**



**LONG LIFE**

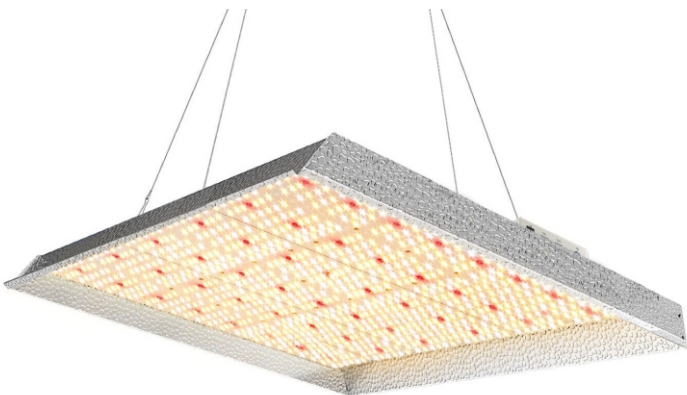
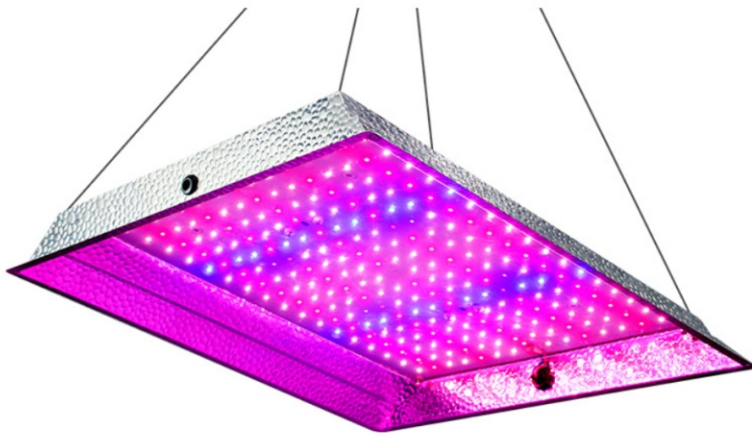


**FULL SPECTRUM**



**HEAT  
MANAGEMENT**

# XLITE QUANTUM LED GROW BOARD



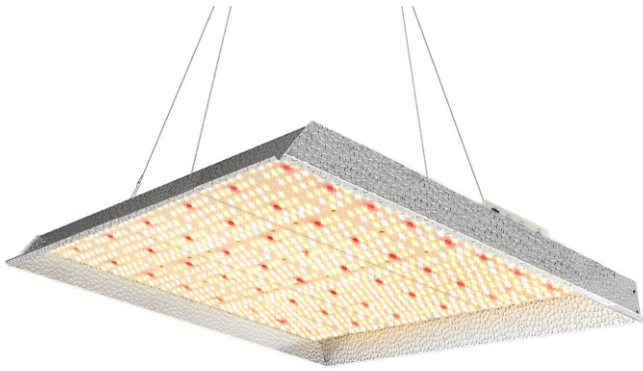
The XLITE Quantum Grow Light series is meticulously crafted to cater to large-scale cannabis cultivation and other plant growth operations. With its highly efficient Samsung/Osram light source combination and effective design, it illuminates more canopies, maximizing plant growth potential. This series is dedicated to surpassing industrial standards in efficiency, reliability, efficacy, affordability, scalability, and quality.

One of the standout features of the XLITE Quantum series is its high thermal efficiency, which effectively reduces LED temperature. This not only boosts output but also extends the lifespan of the light, ensuring sustained performance in the field. For farmers, this translates to consistently high-quality crops and profitable harvests year after year.

Moreover, the XLITE Quantum series is not just a producer of top-tier cannabis; it is also a profit generator that outperforms traditional HPS or CMH lighting in terms of yield and crop quality. By allowing cultivators to achieve optimal results at a lower cost and maximize square footage, it revolutionizes the cultivation process. Additionally, its protective coating and exceptional build quality ensure durability and longevity, making it an outstanding investment for growers.

In summary, the XLITE Quantum Grow Light series sets a new standard for excellence in cannabis cultivation, offering unmatched performance, reliability, and cost-effectiveness. With its advanced features and exceptional craftsmanship, it is the ideal choice for commercial growers looking to elevate their operations to new heights.

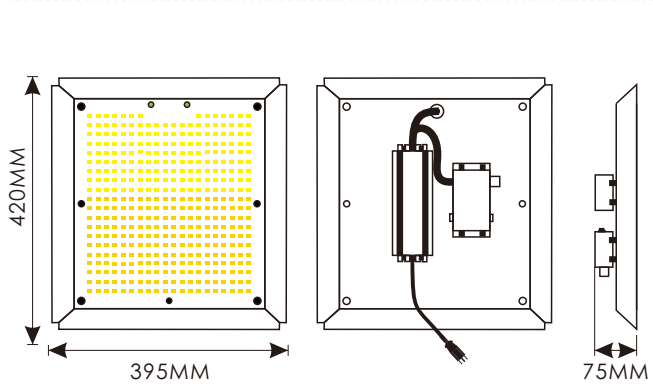
# XL-100-D



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm			
PPF	260μmol/s			
Efficacy	2.6μmol/j			
Light Efficacy	140lm/W			
Lumen output	14000lm			
Input Power	100W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	0.84A	0.47A	0.43A	0.38A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Coverage	4x4ft 5x5ft			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Housing color& Material	Silver,Aluminum			
Weight	1.80kg			
Dimensions	420 x 395 x 75mm			

## DIMENSIONS

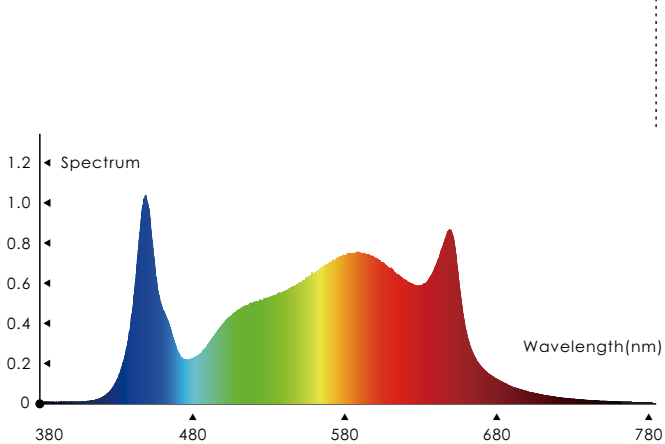


## PPFD Value

Height: 12"(30.5cm)

4FT	41	44	45	47	55	42	39	38	37
3.5	42	47	57	73	87	73	66	55	41
3	41	56	87	105	133	108	98	66	43
2.5	42	67	112	164	291	167	104	66	45
2	43	81	141	284	375	275	137	75	47
1.5	37	62	108	171	297	160	101	62	46
1	35	52	82	108	149	105	93	60	49
0.5	35	51	58	79	94	79	71	63	51
0	35	41	46	54	60	52	51	51	50
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

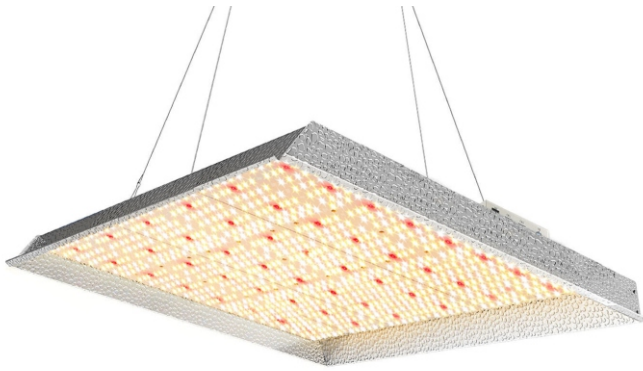
## Standard Spectrum



Height: 24"(61cm)

4FT	51	44	42	42	55	42	41	42	39
3.5	42	61	71	73	85	74	72	73	41
3	41	70	95	99	102	95	91	74	43
2.5	55	75	108	177	207	164	104	75	45
2	75	97	115	195	239	197	124	79	57
1.5	37	72	108	171	203	160	101	76	49
1	35	69	86	95	107	99	97	77	49
0.5	35	53	58	79	93	79	75	76	49
0	37	38	46	54	64	55	48	47	47
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

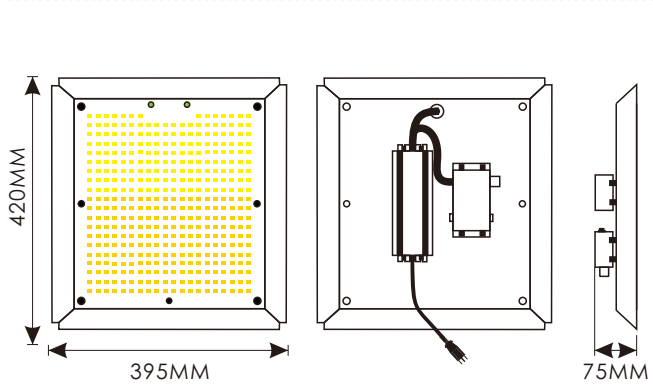
# XL-150-D



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm			
PPF	390µmol/s			
Efficacy	2.6µmol/j			
Light Efficacy	140lm/W			
Lumen output	21000lm			
Input Power	150W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	1.28A	0.72A	0.66A	0.59A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Coverage	4x4ft 5x5ft			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Housing color& Material	Silver,Aluminum			
Weight	2.20kg			
Dimensions	420 x 395 x 75mm			

## DIMENSIONS

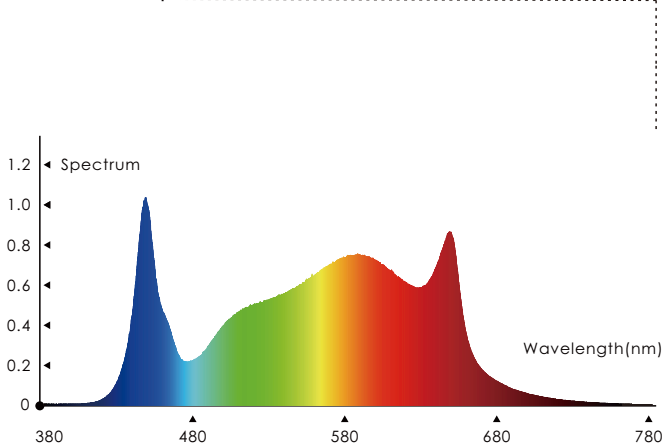


## PPFD Value

Height: 12"(30.5cm)

4FT	41	44	52	65	77	42	39	38	37
3.5	46	98	122	128	133	73	66	55	41
3	56	122	487	497	564	498	502	101	43
2.5	72	123	482	784	817	763	499	121	49
2	81	157	512	892	1086	923	556	136	69
1.5	45	121	482	740	861	752	491	119	49
1	40	122	487	489	542	489	490	101	45
0.5	35	118	125	128	140	105	108	63	34
0	32	41	46	54	72	52	51	51	33
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

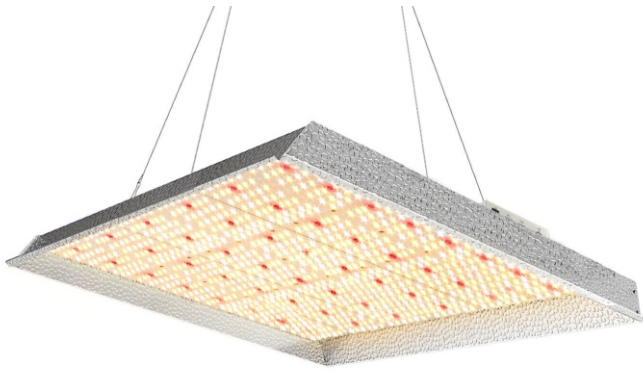
## Standard Spectrum



Height: 24"(61cm)

4FT	81	82	85	91	103	96	91	82	74
3.5	82	91	99	119	156	121	101	82	74
3	85	99	121	156	206	158	117	99	85
2.5	101	117	156	206	328	217	140	117	101
2	116	138	215	313	330	303	234	143	127
1.5	97	107	143	238	305	225	148	121	103
1	92	94	136	152	222	148	133	97	87
0.5	95	97	99	121	148	116	112	96	86
0	85	85	85	103	122	102	91	87	87
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

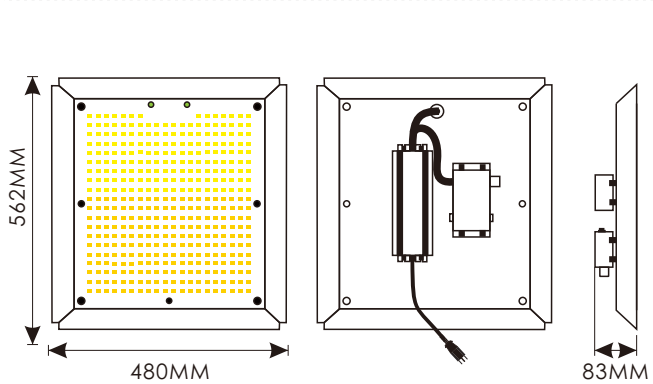
# XL-300-D



## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm			
PPF	780μmol/s			
Efficacy	2.6μmol/j			
Light Efficacy	140lm/W			
Lumen output	42000lm			
Input Power	300W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	2.52A	1.42A	1.30A	1.14A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-37°C~+45°C			
Coverage	4x4ft 5x5ft			
Mounting Height	≥6"(15.2cm) Above canopy			
Light Distribution	120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Housing color& Material	Silver,Aluminum			
Weight	3.75kg			
Dimensions	562 x 480 x 83mm			

## DIMENSIONS

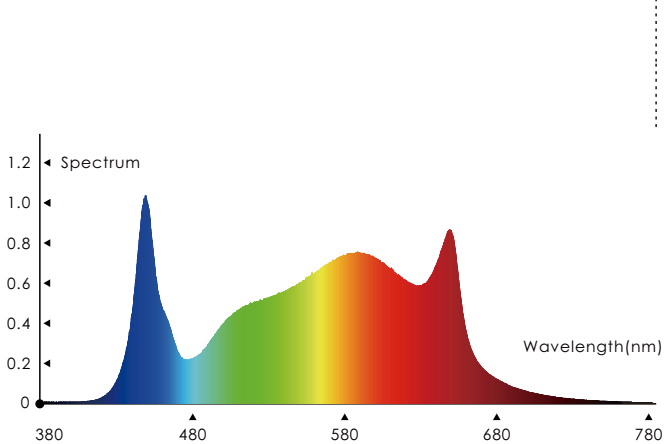


## PPFD Value

Height: 12"(30.5cm)

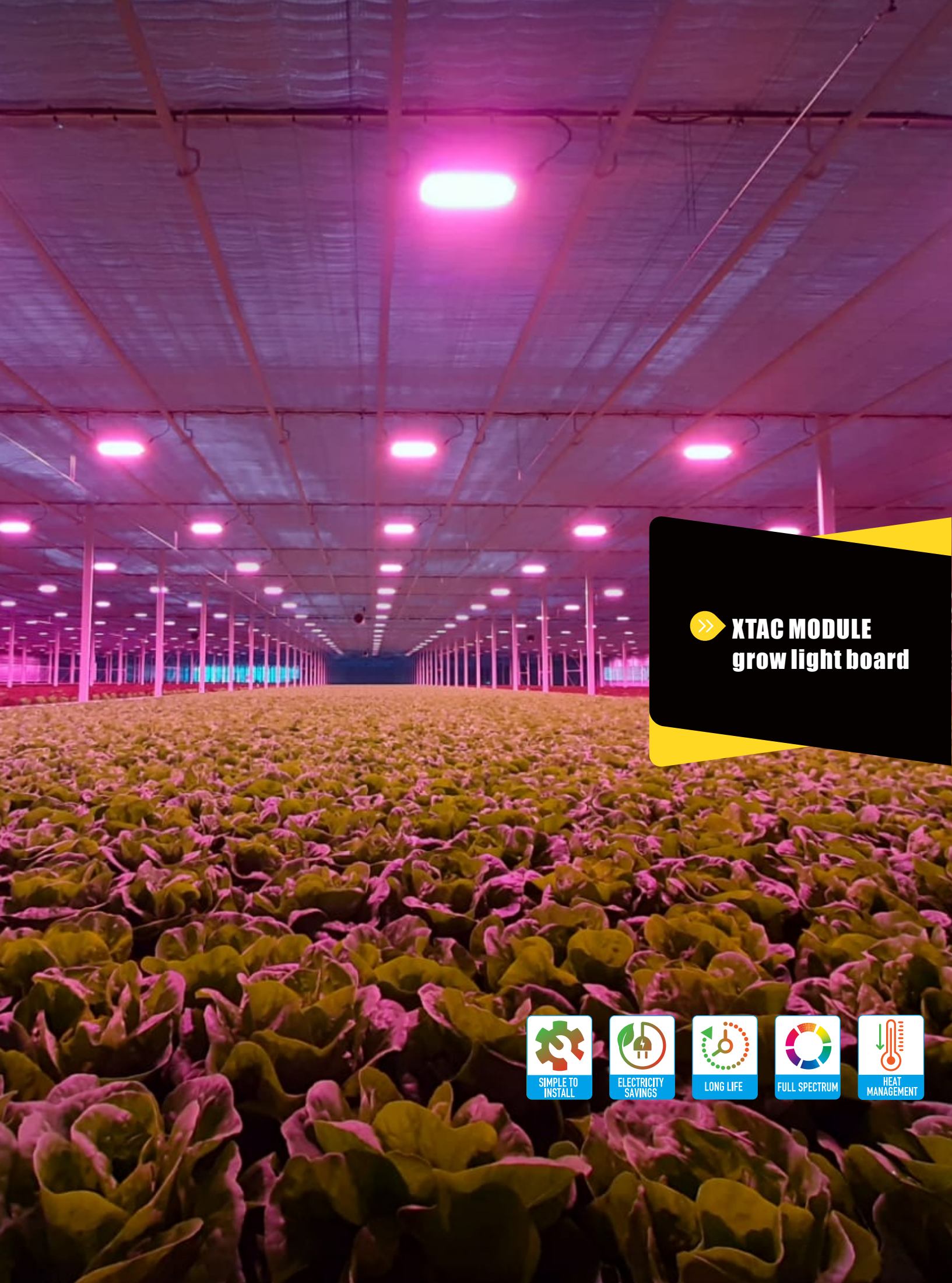
4FT	67	71	97	116	153	112	99	92	72
3.5	66	107	142	206	278	193	144	112	81
3	81	156	315	456	615	428	319	150	108
2.5	132	259	521	1120	1513	1053	465	219	113
2	163	312	627	1346	1798	1455	643	303	157
1.5	130	250	503	1081	1450	1078	476	224	116
1	86	165	332	503	675	502	303	165	105
0.5	65	125	130	197	265	197	118	104	74
0	56	59	88	118	181	134	81	71	64
	0	0.5	1	1.5	2	2.5	3	3.5	4FT

## Standard Spectrum



Height: 24"(61cm)

4FT	171	182	189	205	226	209	195	172	163
3.5	189	263	269	293	332	305	283	229	174
3	201	288	354	385	436	401	372	285	192
2.5	210	321	395	527	596	548	438	335	212
2	241	347	426	568	654	573	458	351	237
1.5	212	332	408	544	592	539	430	329	211
1	209	306	376	407	443	403	360	275	192
0.5	189	241	307	332	362	329	294	249	186
0	187	189	209	212	233	211	205	189	180
	0	0.5	1	1.5	2	2.5	3	3.5	4FT



**>> XTAC MODULE  
grow light board**



**SIMPLE TO  
INSTALL**



**ELECTRICITY  
SAVINGS**



**LONG LIFE**



**FULL SPECTRUM**



**HEAT  
MANAGEMENT**

## Cost- Effective XTAC MODULE LED Grow Lights

1. Featuring larger and more powerful 5.0mm LEDs, our grow lights boast a lumen efficacy exceeding 150lm/W, with a PAR efficacy reaching up to 2.6 $\mu$ mol/J. This translates to up to 25% energy savings compared to traditional 1000W Single Ended HPS fixtures.

2. With an impressive output of 2080  $\mu$ mol/s, our lights provide ample crop-loving light while still achieving up to 25% energy savings versus 1000W DE HPS fixtures (based on average wattage of each fixture). They serve as a 1:1 HPS replacement, ensuring seamless integration into existing setups.

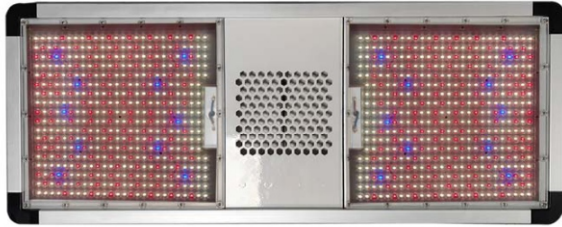
3. Our lights feature a broad full spectrum designed to deliver the deep blues, hot reds, and balanced greens that plants require for full-term growth. The wide, even light distribution mimics HPS light throw while improving coverage for plants on the periphery, ensuring uniform growth.

4. Utilizing a cold-forged aluminum heat sink, our lights effectively lower LED temperatures, maximizing efficiency, durability, and PAR output performance. This ensures optimal conditions for plant growth while maintaining longevity and reliability.

5. Built to withstand the harshest conditions, our lights come with an IP65 wet rating, ETL/UL certification for safety and quality assurance, and an industry-leading 5-year warranty. This commitment to durability and reliability ensures peace of mind for growers, allowing them to focus on achieving their cultivation goals.



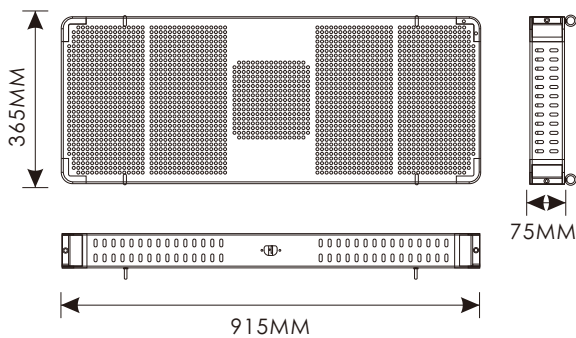
# XD-800W-1M5



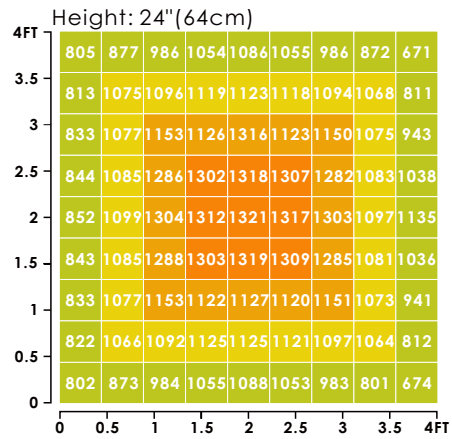
## TECHNICAL SPECIFICATIONS

Light Source	SAMSUNG & OSRAM LED			
Spectrum	Full Spectrum white light +660nm+460nm			
PPF	2080μmol/s			
Efficacy	2.6μmol/j			
Light Efficacy	150lm/W			
Lumen output	120000lm			
Input Power	800W±5%			
Power factor	>0.95			
Input Voltage(AC)	120V	220V	240V	277V
Input Current at 100%	7.3A	3.7A	3.1A	2.9A
Frequency	50/60Hz			
Dimming	0-10V			
External Control Signal	RJ Connector			
Lifetime	L90>54,000hours			
Ambient Temperature	-20°C~+45°C			
Thermal Management	Passive			
Mounting Height	≥24"(60cm) Above canopy			
Light Distribution	70x120°			
Waterproof Rate	IP 54			
Warranty	5 years warranty			
Bar	2pcs			
Weight	14.2kg			
Dimensions	915 x 365 x 75mm			

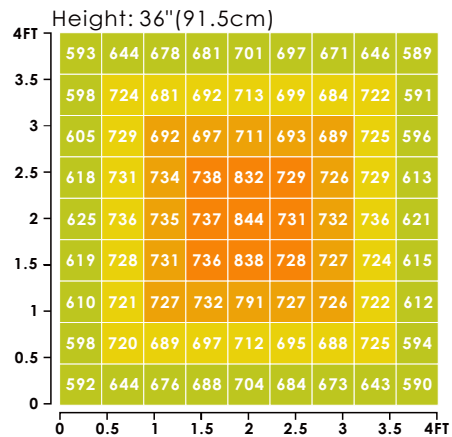
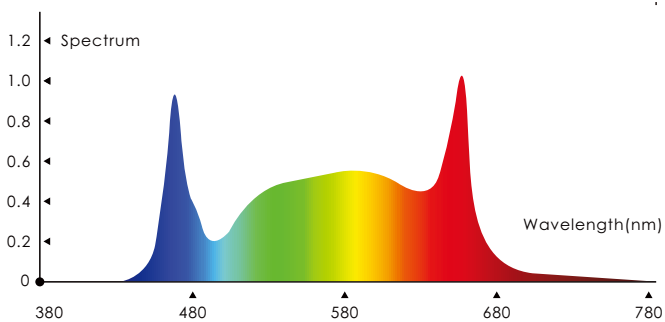
## DIMENSIONS



## PPFD Value



## Standard Spectrum



**conluxs**  
Enjoy the Light

**LUMEN** | *Agrilumia*<sup>TM</sup>

**Marketing Office:**

Conluxs Lighting Company Ltd/Conluxs  
Fifth Floor, Building 153, Tongfuyu Industry park,  
Dalang, Longhua, BaoAn, Shenzhen, China

Telephone:

General Enquiries: +86-755 368 63456

Mobile: +86 13076967106

Email: [info@conluxs.com](mailto:info@conluxs.com)

Website: [www.conluxs.com](http://www.conluxs.com)

Twitter: @conluxs

**Factory 1:**

5~6F, Sanzhong Tailian Industrial park, Qingxi  
Town, Dongguan City, Guangdong Province,  
China

**Factory 2:**

Building B, Sanlian Industrial Park, Songbai  
Road, Shiyuan Town, Ban'an  
District, Shenzhen, China

