



Shenzhen Liweida Optoelectronics Co.,Ltd



深圳市力维达光电有限公司
Shenzhen Liweida Optoelectronics Co.,Ltd



LED Grow Light



Shenzhen Liweida Optoelectronics Co.,Ltd

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Grow Light Certification:

ABOUT US

Shenzhen Liweida is one of professional LED manufacturers which engages in researching,developing,manufacturing and marketing.We have a well-tranied team including full experienced techician and salesman,"quality and service foremost" is our main principle.More and more customers choose Liweida because of our excellent and considerate service.

Our main products are LED grow lights, LED aquarium lights, LED spot lights, LED down lights, LED bulb lights, LED tube lights, LED panel lights, LED PL lights, and so on. They are widely used in plant growth,commercial decorative lighting,jewelry lighting and decoration,indoor and outdoor lighting,home and project decoration.Our products have cUL CE RoHS FCC SAA C-Tick TUV ERP certificates.All of them certify that LIWEIDA can provide excellent quality products and good service for you.We can provide OEM & ODM customized services.As a global manufacturer,we actively fulfill our social responsibilities and strictly follow the energy saving & environmental protection policies around the word.



Company philosophy

Mission: Provide high quality products to customers, provide a pleasant platform to employees for achieving their ideals, bring light to the world.

Purpose: Touching customers, moving families, moving friends.

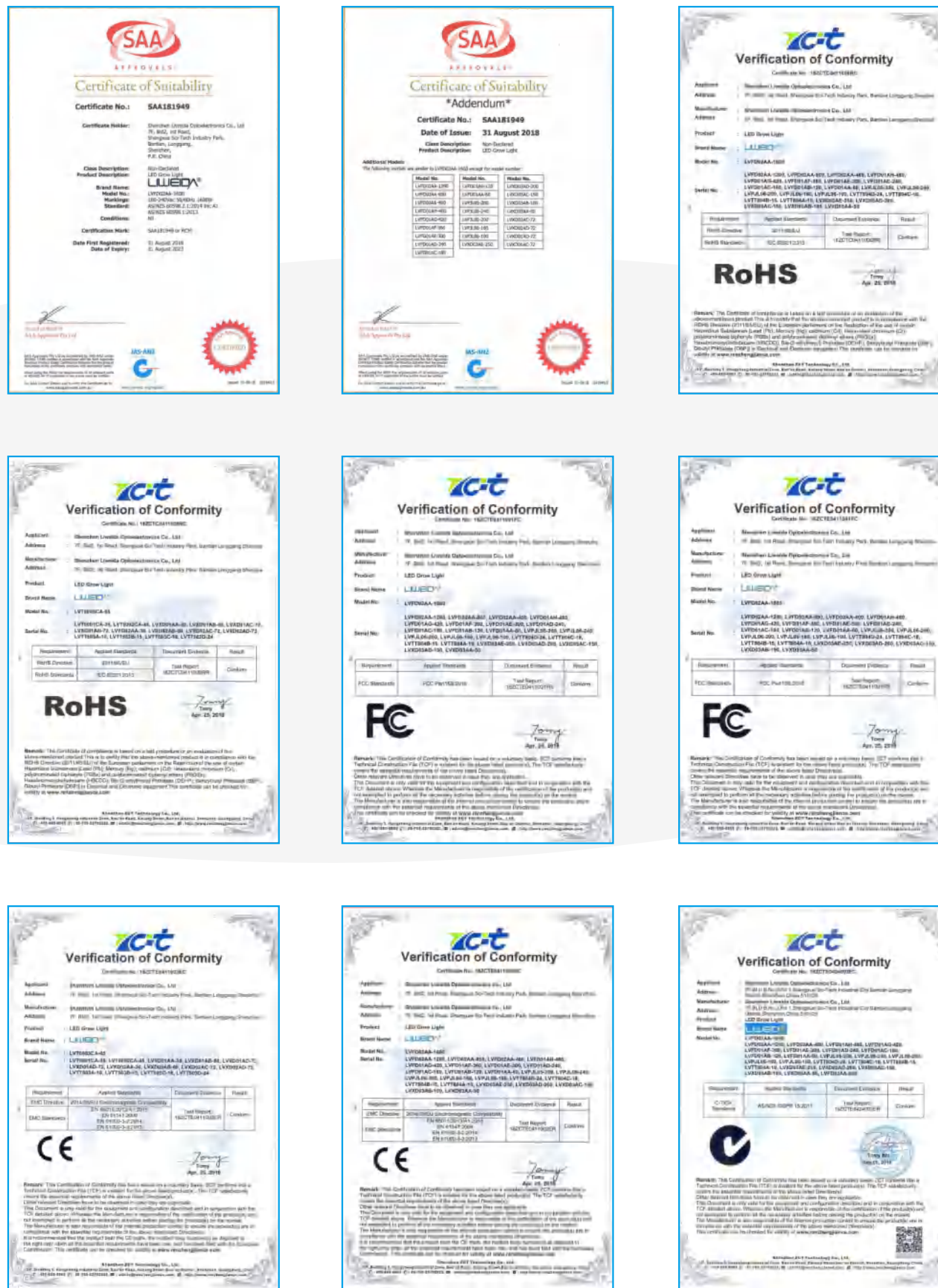
Desire: Become a leader in energy-saving and environment-friendly LED lighting area.

Sense of worth: Healthy Life,Confidence,Honesty,Work Efficiently and Professionally Solidarity,Enthusiasm.

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LED Bulb Grow Light
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LED Bulb Grow Light

Features:

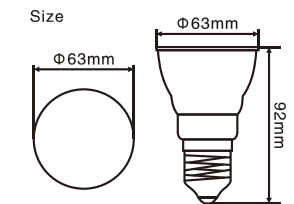
- Aluminum housing with good heat dissipation
- 36PCS SMD3020 LED chips with high brightness and low light decay.
- Protection rate is IP65 with waterproof function.



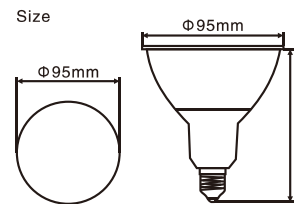
Structure:
IP65,waterproof. With the waterproof lamp holder together to prevent electric shock in humid environment.

580-680nm:
Red light promotes photosynthesis, germination,blooming and fruiting, accelerates the formation of flowering pigments and chloroplasts

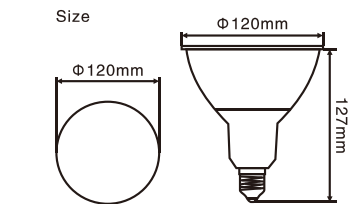
420-500nm:
Blue light has a strong inhibitory effect on plant growth, especially stem growth



LVS11P20E-7

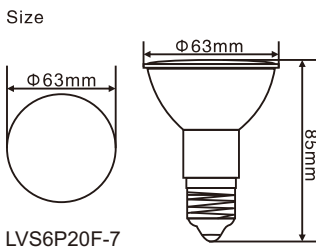


LVS11P30F-12

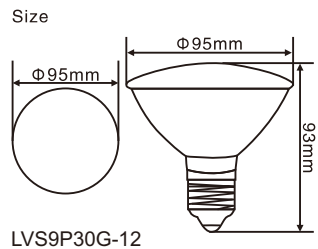


LVS11P38F-15

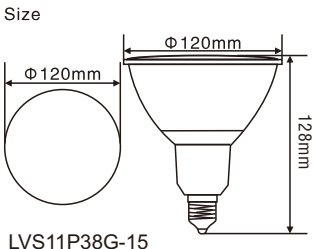
Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Base
LVS6P20E-7	7W	AC100-240V 50-60Hz	3030SMD	12PCS	30°	IP65	Red+Blue	E26/E27/GU10
LVS9P30F-12	12W	AC100-240V 50-60Hz	3030SMD	20PCS	30°	IP65	Red+Blue	E26/E27/B22
LVS11P38F-15	15W	AC100-240V 50-60Hz	3030SMD	24PCS	30°	IP65	Red+Blue	E26/E27/B22



LVS6P20F-7



LVS9P30G-12



LVS11P38G-15

Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Base
LVS6P20F-7	7W	AC100-240V 50-60Hz	2835SMD	40PCS	120°	IP65	Red+Blue	E26/E27/GU10
LVS9P30G-12	12W	AC100-240V 50-60Hz	2835SMD	60PCS	120°	IP65	Red+Blue	E26/E27/B22
LVS11P38G-15	15W	AC100-240V 50-60Hz	2835SMD	80PCS	120°	IP65	Red+Blue	E26/E27/B22

LED Bulb Grow Light

Features:

Aluminum housing can help the light has good heat dissipation.

180PCS 2835SMD Led chips with high brightness and low light decay.

Protection rate is IP65 with waterproof function.



10nm-400nm:

Ultraviolet has a stimulating effect on plant growth, increase crop yield, improve seed germination rate.



420nm-500nm:

Blue light promotes photosynthesis, help plants grow stems and leaves enhance chloroplast activity.



630nm-680nm:

Red light promotes photosynthesis, germination, blooming and fruiting, and prolong flowering.



720~1000nm:

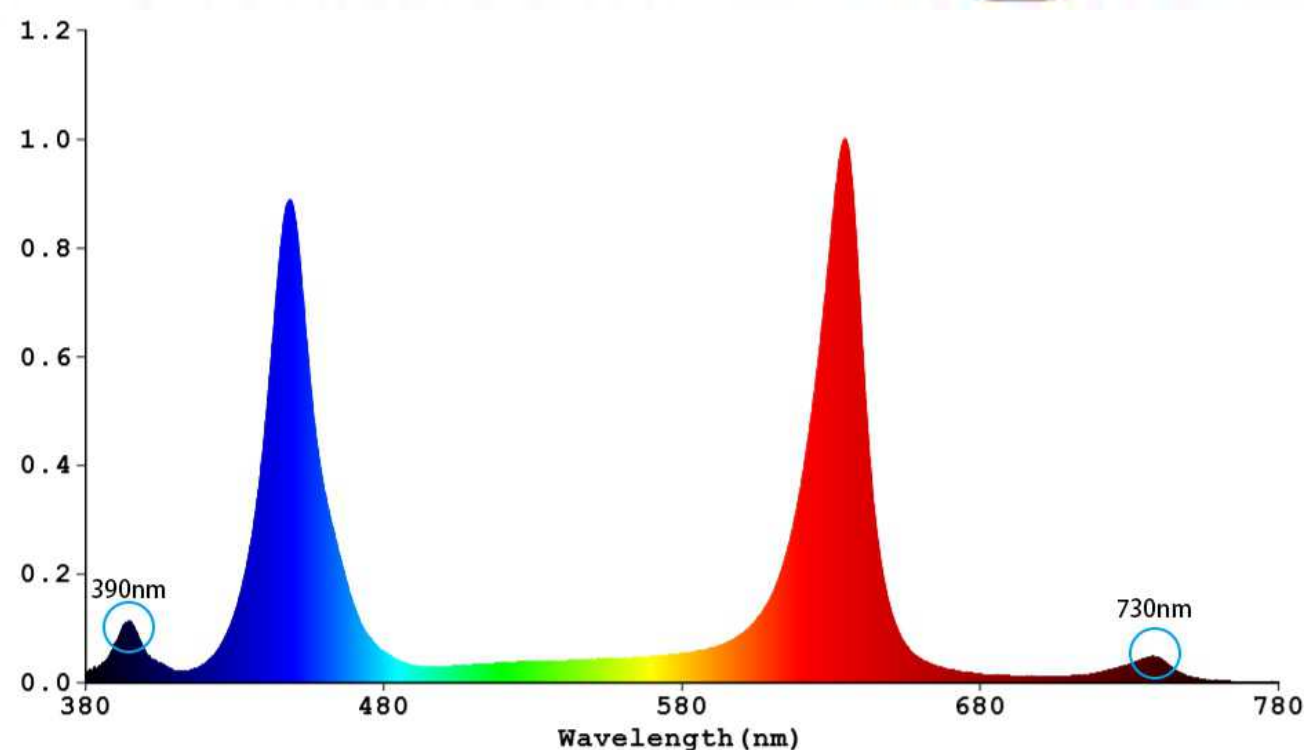
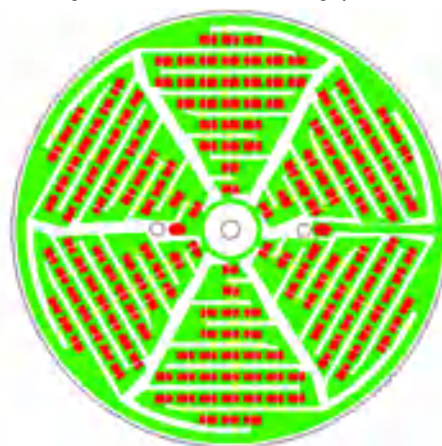
Infrared Stimulate cell lengthening, help plants grow taller, Affect the flowering cycle.

Full Spectrum

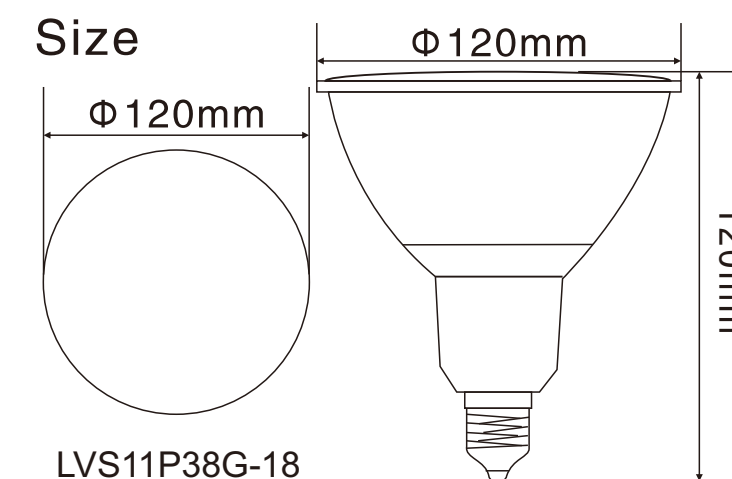
180PCS 2835SMD

Red+Blue+UV+IR

Warm White+Cold White



Product Decomposition Diagram:



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Base
LVS11P38G-15-A	18W	AC100-240V 50-60Hz	2835SMD	180PCS	120°	IP65	Full Spectrum	E26/E27/B22

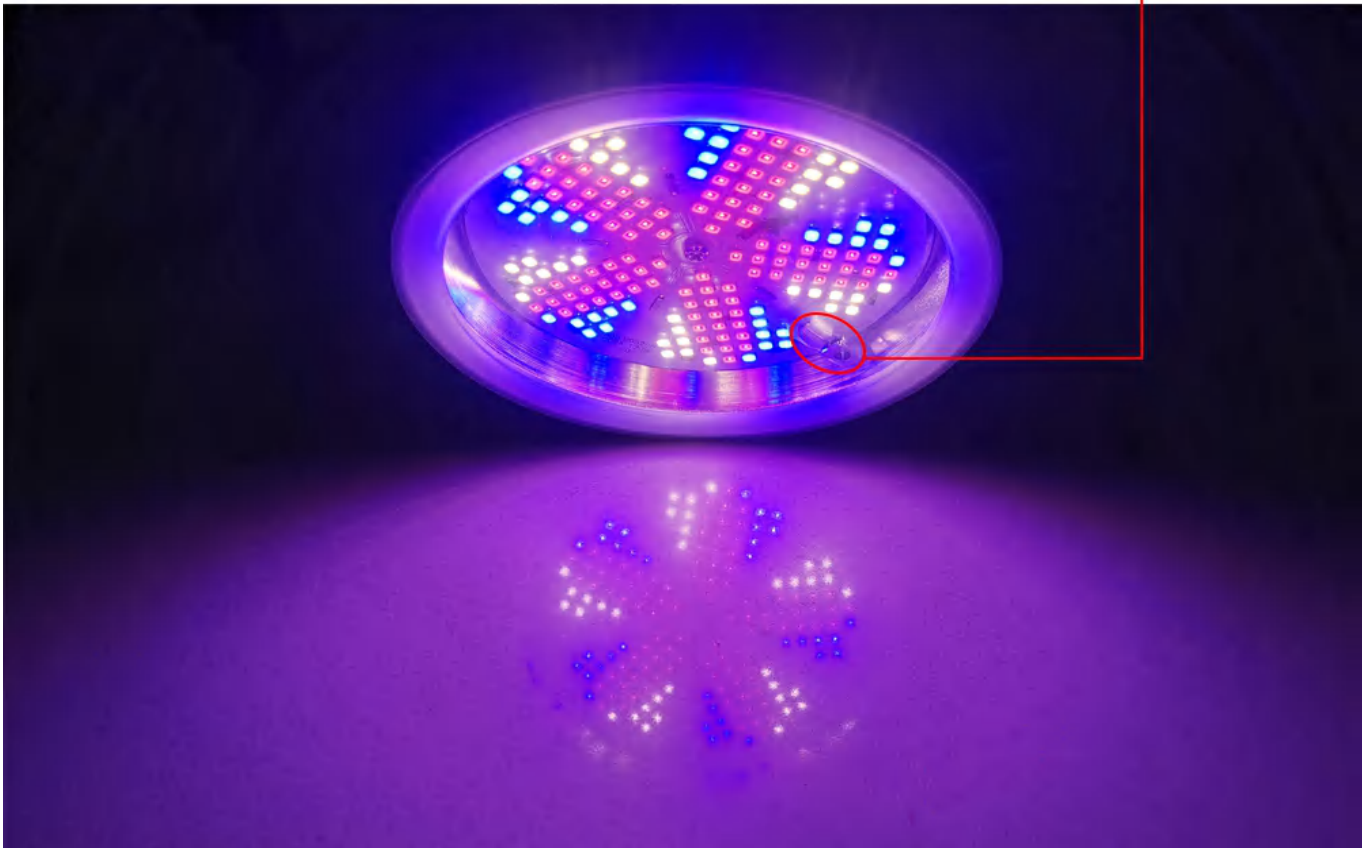
LED Bulb Grow Light

Features:

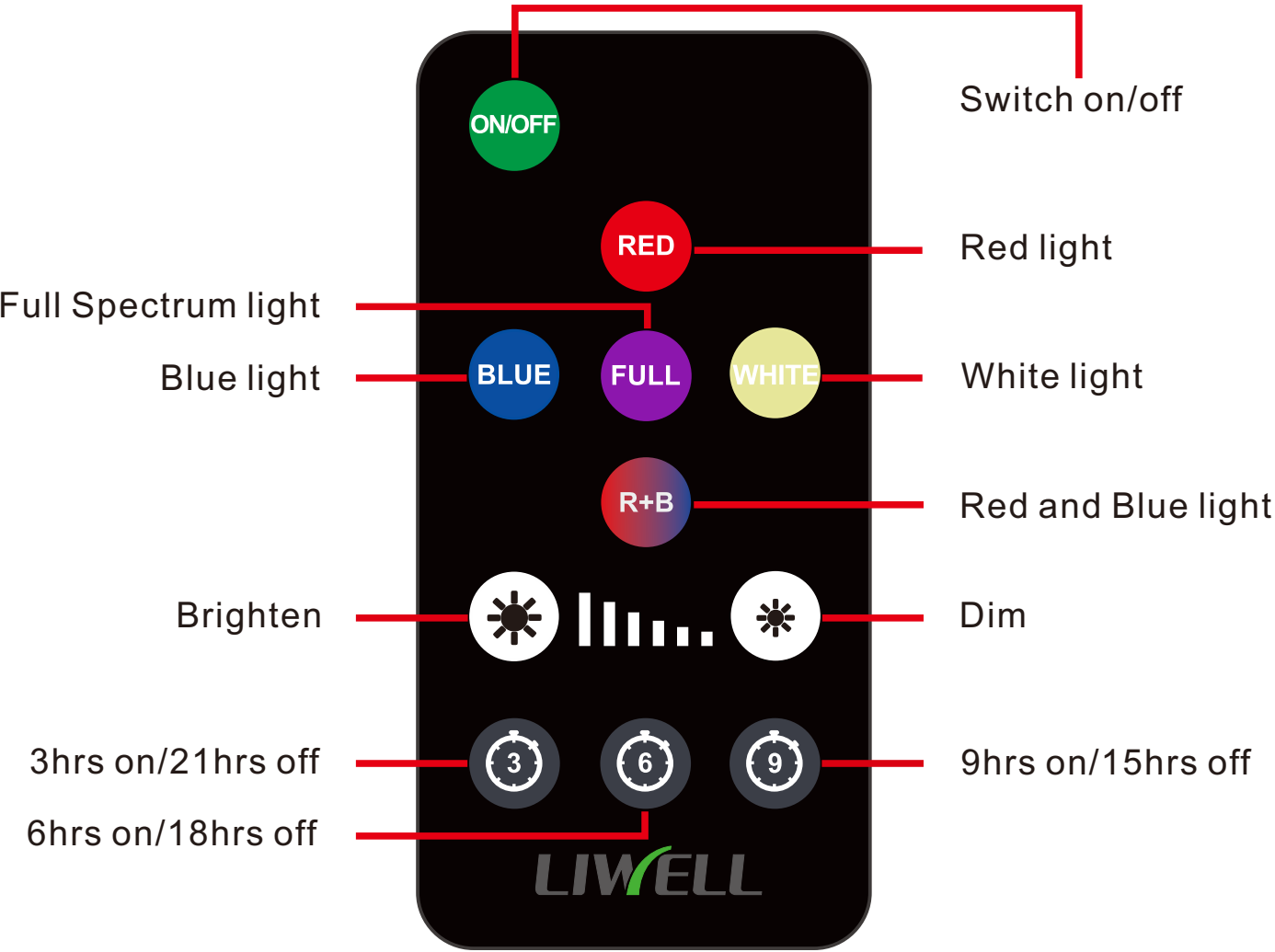
- Aluminum housing can help the light has good heat dissipation.
- 170PCS 2835SMD Led chips with high brightness and low light decay.
- Protection rate is IP65 with waterproof function.
- With remote control and can change spectrum,dimming and timing.



35pcs Blue
 35pcs White
100pcs RED
Infrared receiver



Remote Control:



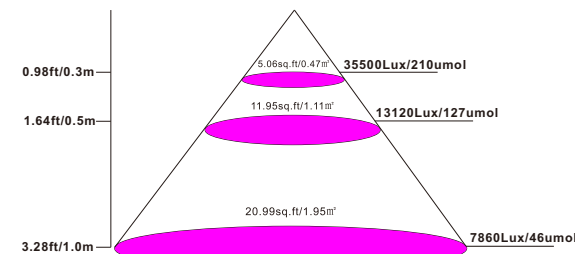
Model	Power	Input Voltage	LED Type	LED Qty	Angle	IP	Spectrum	Base
LVS11P38G-15-B	20W	AC100-240V 50-60Hz	2835SMD	170PCS	120°	IP65	Full Spectrum	E26/E27/B22

LED Bulb Grow Light



Features:

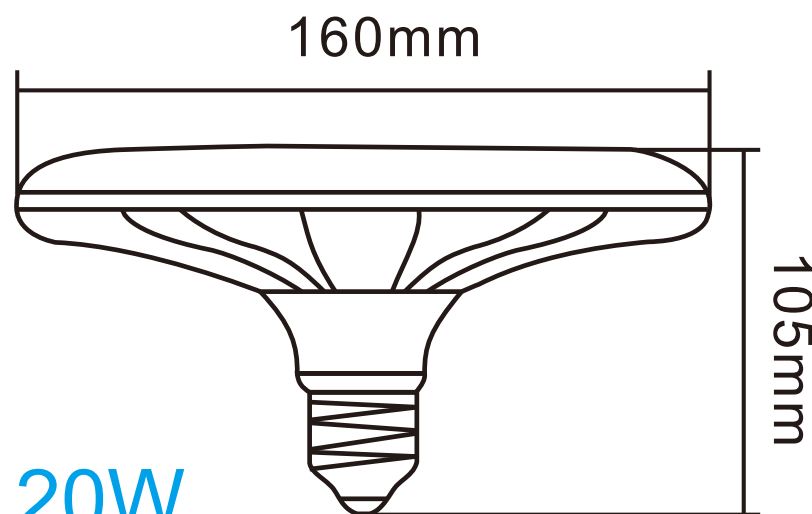
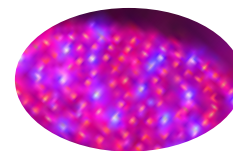
- Aluminum housing with good heat dissipation.
- High brightness and low light decay led chip.
- Protection rate IP65 with waterproof function.



Milky white cover



Transparent cover



20W



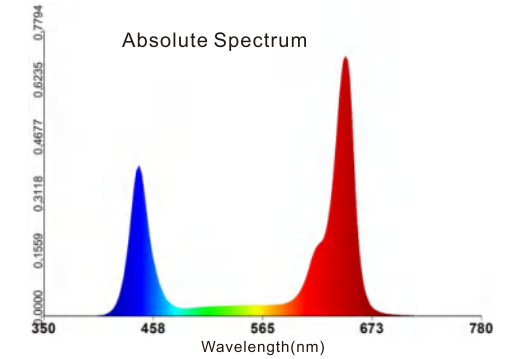
Blue 440-460 nanometers

Blue light is good for photsuynthesis,help to induce Chlorophyll and Carotenoid,which are necessary for healthy leaves.

Red 620-660 nanometers

Red light is good for photosynthesis,promote the formation of chlorophyll and help plants to bloom and bear fruit.

Percent of Relative Energy



24PCS 3030SMD



Die-cast Aluminum



E27 Base

Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Base
LVUFO01A-20	20W	AC100-240V 50-60Hz	3030 SMD	24PCS	60°/90°	IP65	Full Spectrum	E26/E27/B22
LVUFO01A-20	20W	AC100-240V 50-60Hz	2835 SMD	144PCS	120°	IP65	Red+Blue	E26/E27/B22

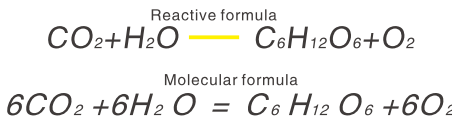
LED Clip Grow Light



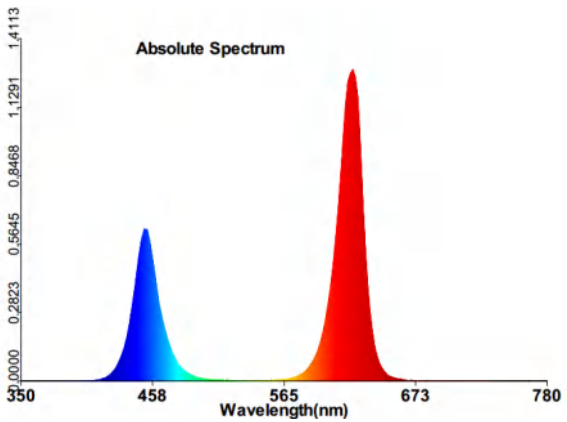
- Features:**
- Aluminum housing with good heat dissipation.
 - High brightness and low light decay led chip.
 - Protection rate IP65 with waterproof function.



Photosynthesis
CARBON DIOXIDE + WATER → CARBOHYDRATES, OXYGEN



The green plant convert sunlight into chemical energy by photosynthesis , and stored in the organice matter , which is produced by photosynthesis . In the meanwhile ,Human and Animal's food is also directly or indirectly derived from them .




LVG002A-7



LVG001A-12



LVG001A-24

Model	Power	Input Voltage	LED Type	LED Qty		IP	Spectrum	Base
LVG002A-7	7W	AC100-240V 50-60Hz	3020 SMD	16PCS	30°	IP65	Red+Blue	E27
LVG001A-12	12W	AC100-240V 50-60Hz	3020 SMD	30PCS	30°	IP65	Red+Blue	Clip
LVG001A-24	24W	AC100-240V 50-60Hz	3020 SMD	60PCS	30°	IP65	Red+Blue	Clip

LED Clip Grow Light



Features:

Three buttons,one button control on color,red blue and white colors.
44pcs 2835SMD lamp beads,24pcs red,12pcs bule,8pcs white.



The Reverse Side



The Obverse Side

Seven Options:

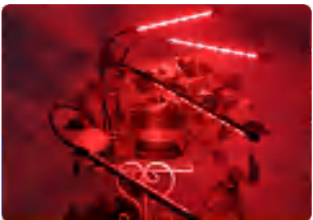
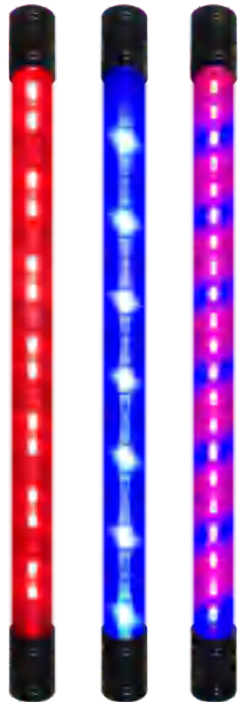
- 1.Blue
- 2.White
- 3.Red
- 4.Blue+White
- 5.White+Red
- 6.Red+Blue
- 7.Blue+White+Red



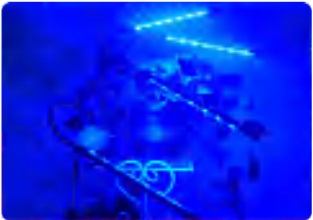
Model	Power	Input Voltage	LED Type	LED Qty		IP	Spectrum	Base
LVG001A-6	6W	AC100-240V 50-60Hz	2835 SMD	44PCS	120°	IP40	Full Spectrum	Clip

LED Clip Grow Light

Features:
Four heads and spectrum can be changed,support timing and dimming.
84pcs 5730SMD lamp beads,with three different spectrum.



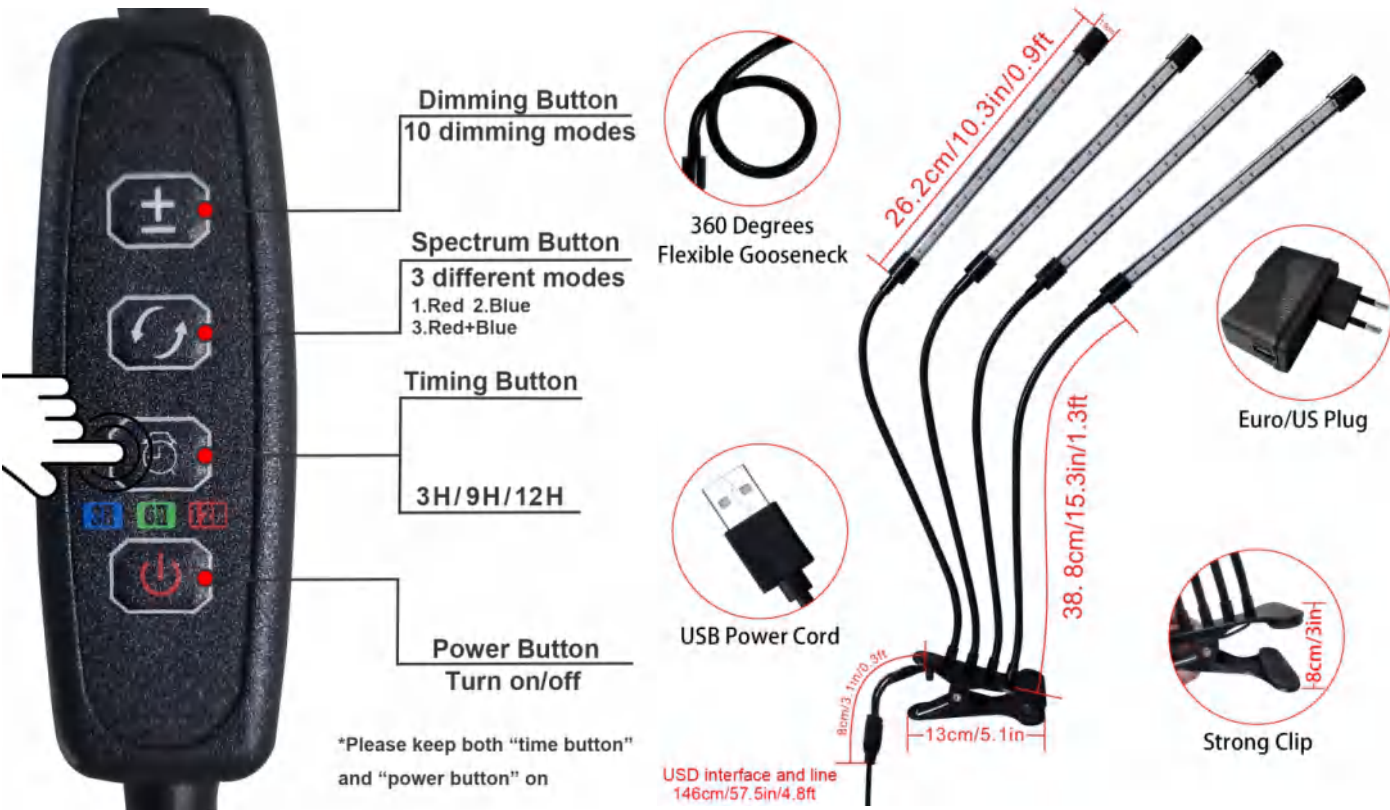
Red:Contributes to effective germination, flowering,enhances photosynthesis for better results.



Blue:Ensure plants take in more energy through the synthesis of chlorophyll to help in germination.



Red+Blue:Efficiently beneficial to promote the growth of plant.



Model	Power	Input Voltage	LED Type	LED Qty	Angle	IP	Spectrum	Base
LVG002A-15-A	20W	AC100-240V 50-60Hz	5730 SMD	42PCS	120°	IP44	Red+Blue	Clip
LVG002A-15-B	40W	AC100-240V 50-60Hz	5730 SMD	84PCS	120°	IP44	Red+Blue	Clip

LED T5 Tube Grow Light



Features:

- Aluminum housing with good heat dissipation.
- High brightness and low light decay led chip.
- Protection rate IP44 .
- 311/572/871/1181/1468mm

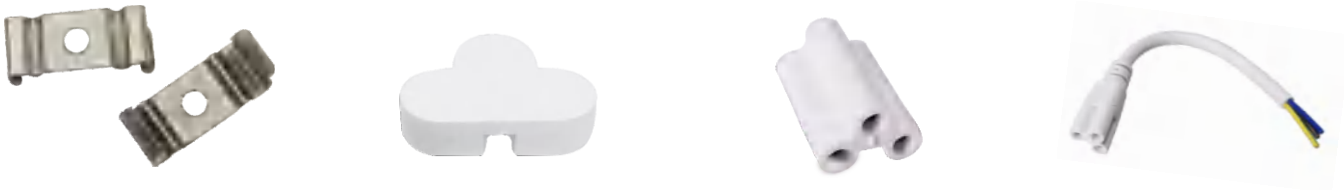


Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVTT503A-5	5W	AC100-240V 50-60Hz	2835SMD	24PCS	120°	IP44	Red+Blue	311mm
LVTT503A-10	10W	AC100-240V 50-60Hz	2835SMD	48PCS	120°	IP44	Red+Blue	572mm
LVTT503B-15	15W	AC100-240V 50-60Hz	2835SMD	72PCS	120°	IP44	Red+Blue	871mm
LVTT503C-18	18W	AC100-240V 50-60Hz	2835SMD	96PCS	120°	IP44	Red+Blue	1181mm
LVTT503D-24	24W	AC100-240V 50-60Hz	2835SMD	144PCS	120°	IP44	Red+Blue	1468mm



Accessories:

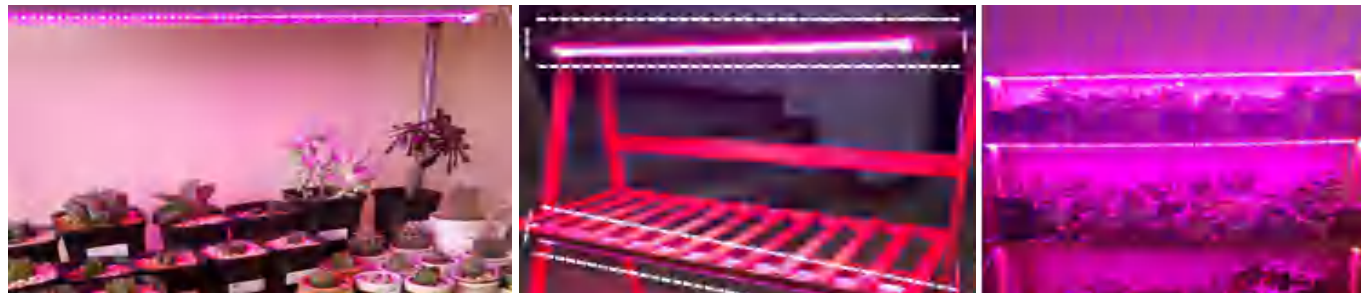
- Installation buckle*2
- PC cover*1
- Connecting pipe*1
- Power cord*1



LED T8 Tube Grow Light

Features:

Plastic-clad aluminium shell has good heat dissipation performance.High brightness and low light attenuation LED chip.IP65 has waterproof function.
0.6/0.9/1.2/1.5M



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVTT804A-10	10W	AC100-240V 50-60Hz	2835SMD	48PCS	120°	IP65	Red+Blue	600mm
LVTT804B-15	15W	AC100-240V 50-60Hz	2835SMD	72PCS	120°	IP65	Red+Blue	900mm
LVTT804C-18	18W	AC100-240V 50-60Hz	2835SMD	96PCS	120°	IP65	Red+Blue	1200mm
LVTT804D-24	24W	AC100-240V 50-60Hz	2835SMD	144PCS	120°	IP65	Red+Blue	1500mm

LED T8 Tube Grow Light

Features:

- Aluminum housing with good heat dissipation.
- High brightness and low light attenuation LED chip.
- Full Spectrum with red blue white chips.
- Length:0.6/0.9/1.2M



Connecting Pipe



Insulated Cover



Buckle*2



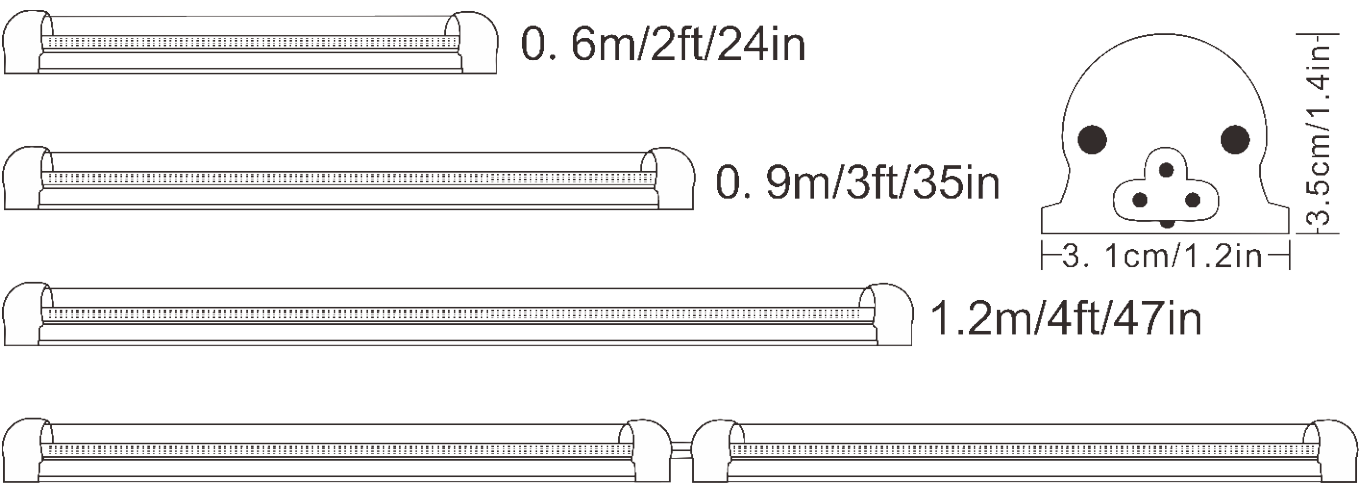
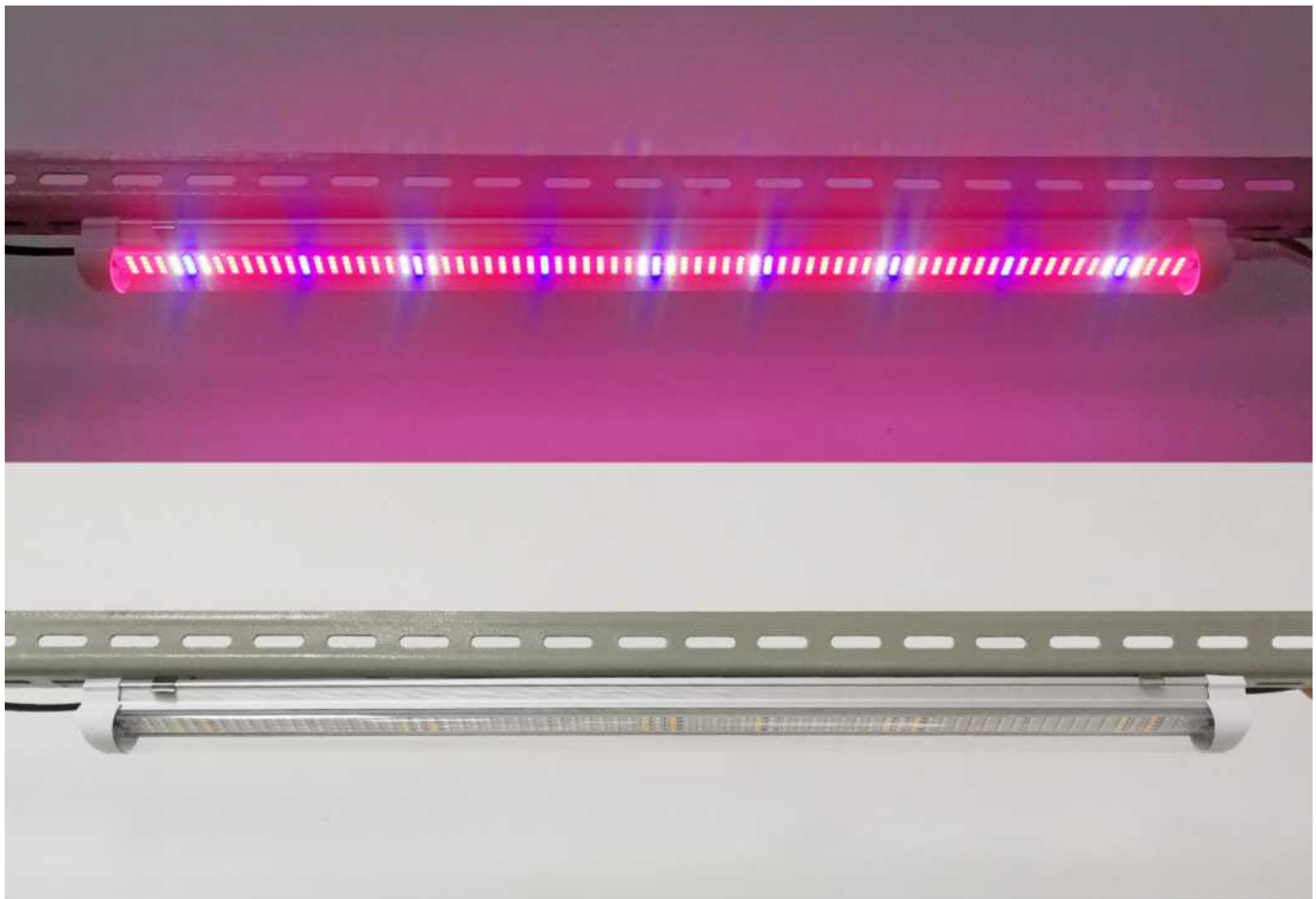
PC Cover*1



Connecting pipe*1



Power Cord*1



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVTT804A-10-A	10W	AC100-240V 50-60Hz	2835SMD	300PCS	120°	IP44	Full Spectrum	600mm
LVTT804B-15-B	15W	AC100-240V 50-60Hz	2835SMD	448PCS	120°	IP44	Full Spectrum	900mm
LVTT804C-18-C	18W	AC100-240V 50-60Hz	2835SMD	600PCS	120°	IP44	Full Spectrum	1200mm

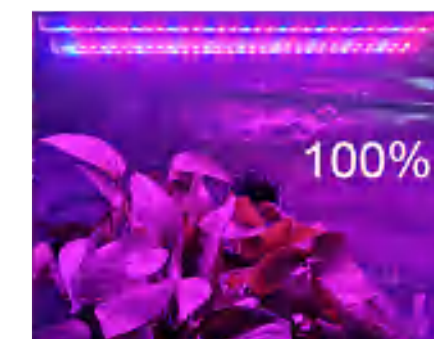
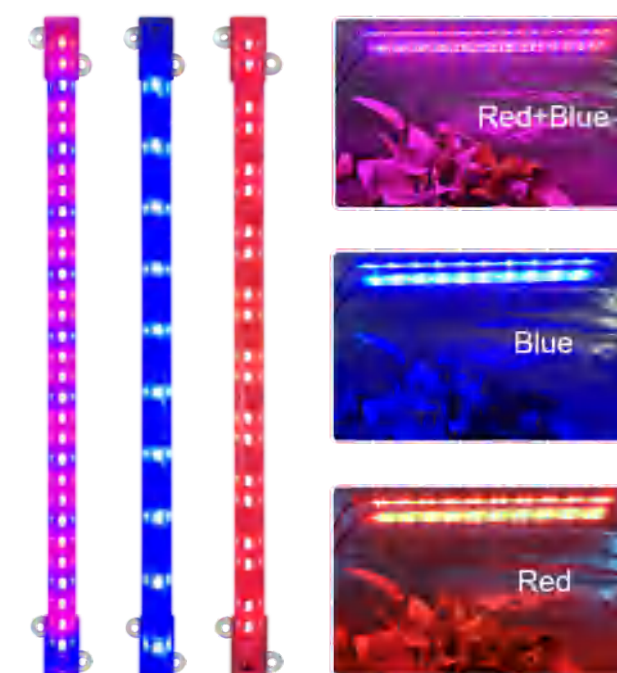
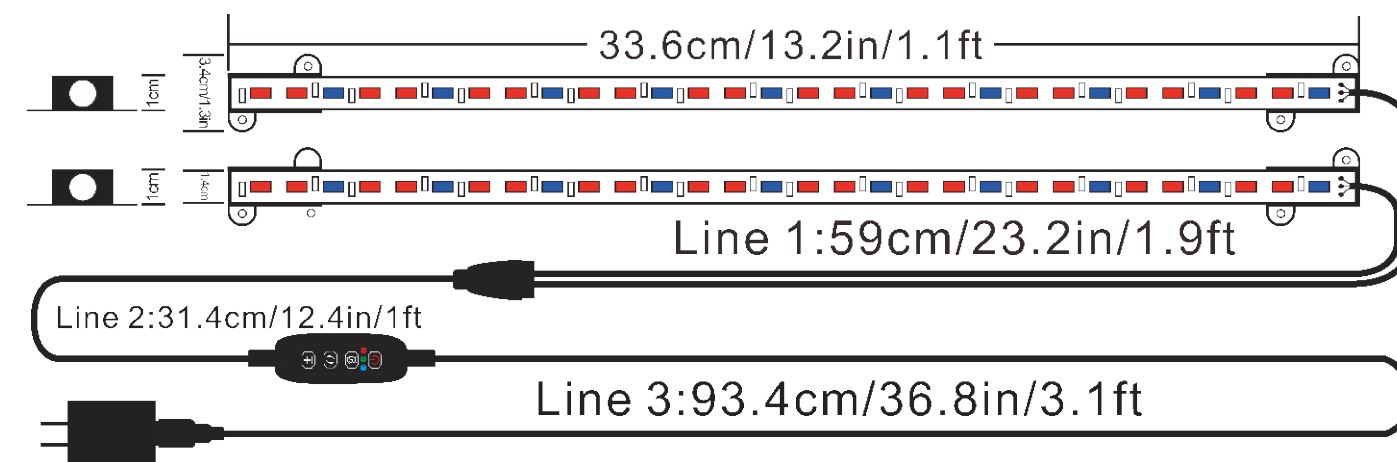
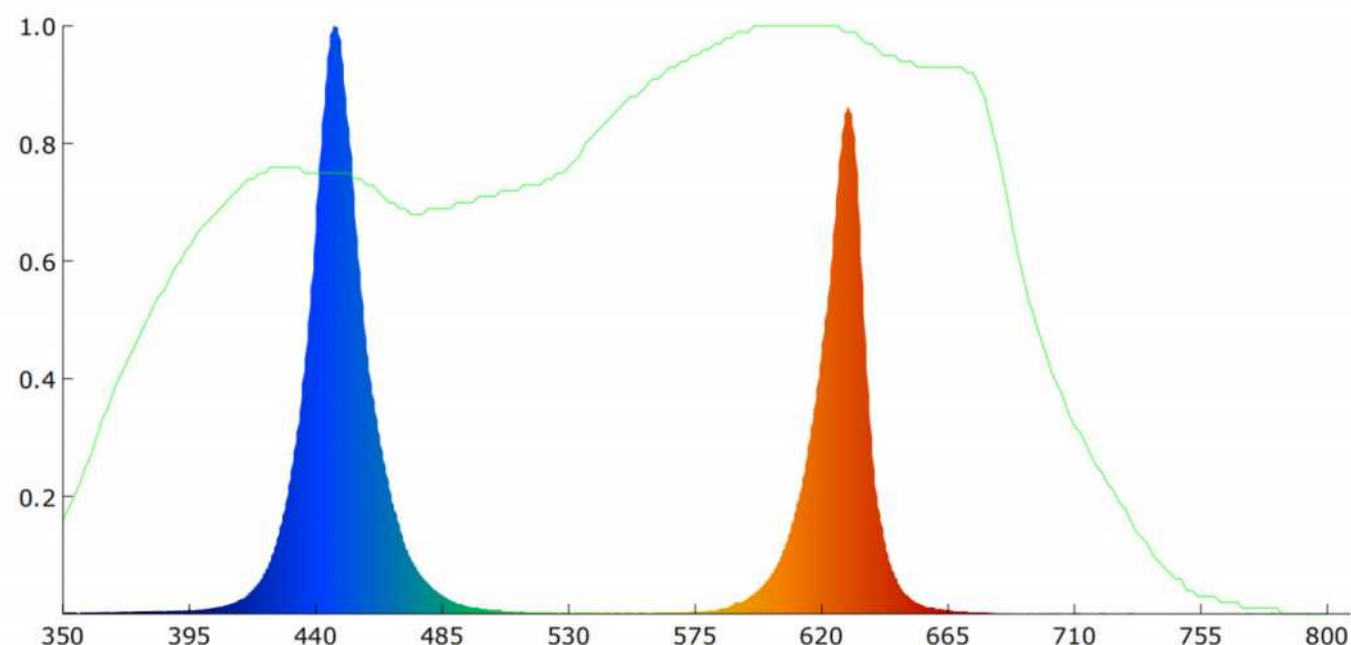
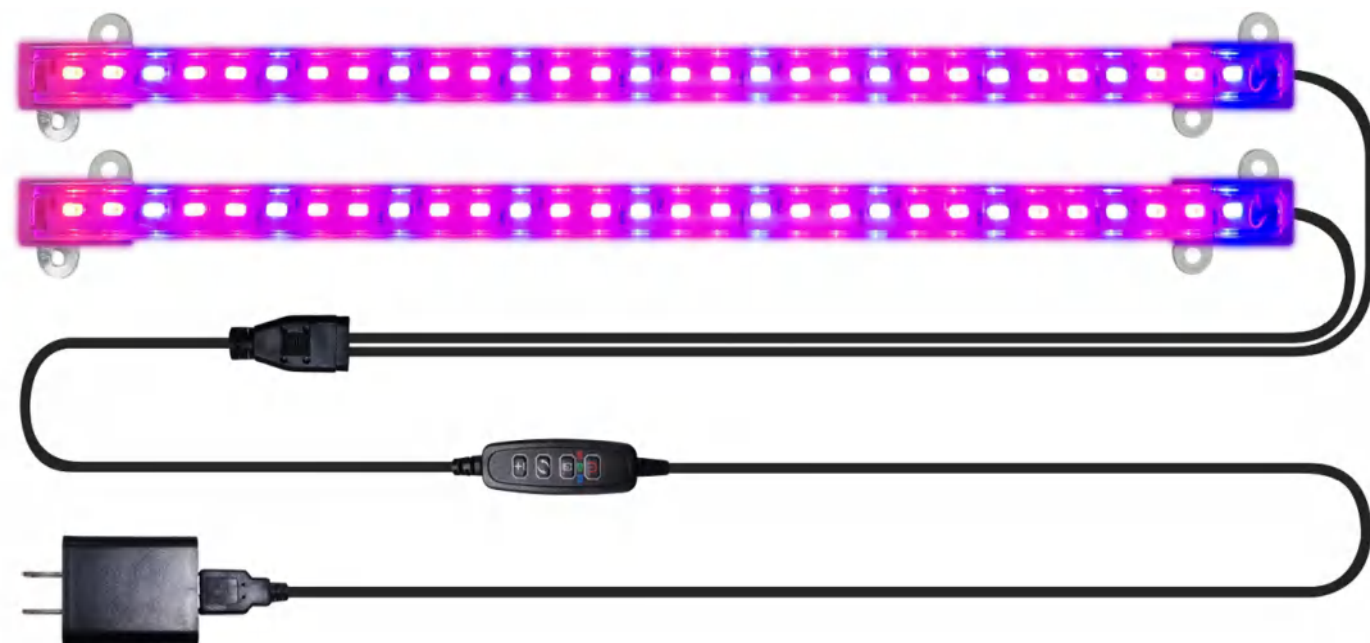
LED Tube Grow Light

Features:

With timing and dimming functions, more convenient to use.

High brightness and low light attenuation LED chip.

Red and blue wavelength and spectrum can be customized.



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVTT503A-10-A	15W	AC100-240V 50-60Hz	5730SMD	60PCS	120°	IP20	Red+Blue	336mm

LED Bar Grow Light



Features:

- Aluminum housing with good heat dissipation.
- High brightness and low light decay led chip.
- Protection rate IP65 with waterproof function.



Buckle installation



Hook installation

6bar=450W,8bar=600W



Timing+Dimming

Aluminum box splicing

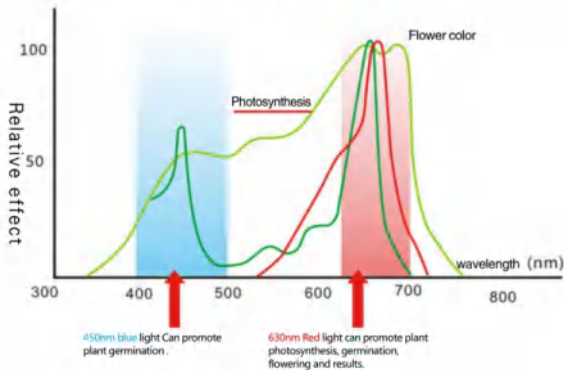
Multiple led bar lights can be spliced together by aluminum box,it supports dimming and timing functions.



Aluminum strip splicing

Fix aluminum strips and bar lights together with screws, and fix each group of bar lights with at least two aluminum strips.

THE RELATIONSHIP BETWEEN SPECTRUM AND PLANT GROWTH

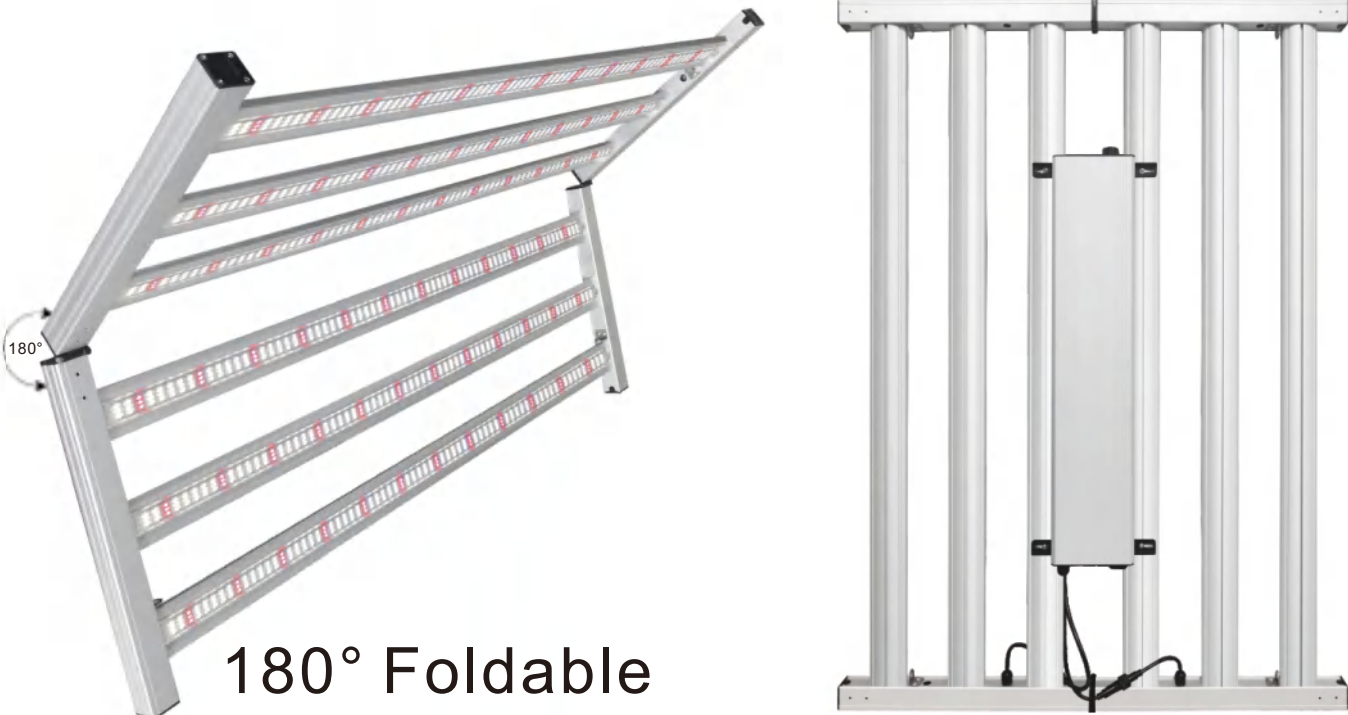


Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVT0001CA-18	18W	AC100-240V 50-60Hz	3030 SMD	18PCS	60°/90°	IP65	Full Spectrum	300mm
LVT0001CA-35	35W	AC100-240V 50-60Hz	3030 SMD	36PCS	60°/90°	IP65	Full Spectrum	600mm
LVT0002CA-45	45W	AC100-240V 50-60Hz	3030 SMD	54PCS	60°/90°	IP65	Full Spectrum	900mm
LVT0003CA-65	65W	AC100-240V 50-60Hz	3030 SMD	72PCS	60°/90°	IP65	Full Spectrum	1200mm
LVT0003CA-75	75W	AC100-240V 50-60Hz	3030 SMD	90PCS	60°/90°	IP65	Full Spectrum	1500mm
LVT0003CA-100	100W	AC100-240V 50-60Hz	3030 SMD	108PCS	60°/90°	IP65	Full Spectrum	1800mm
LVT0003CA-120	120W	AC100-240V 50-60Hz	3030 SMD	126PCS	60°/90°	IP65	Full Spectrum	2100mm

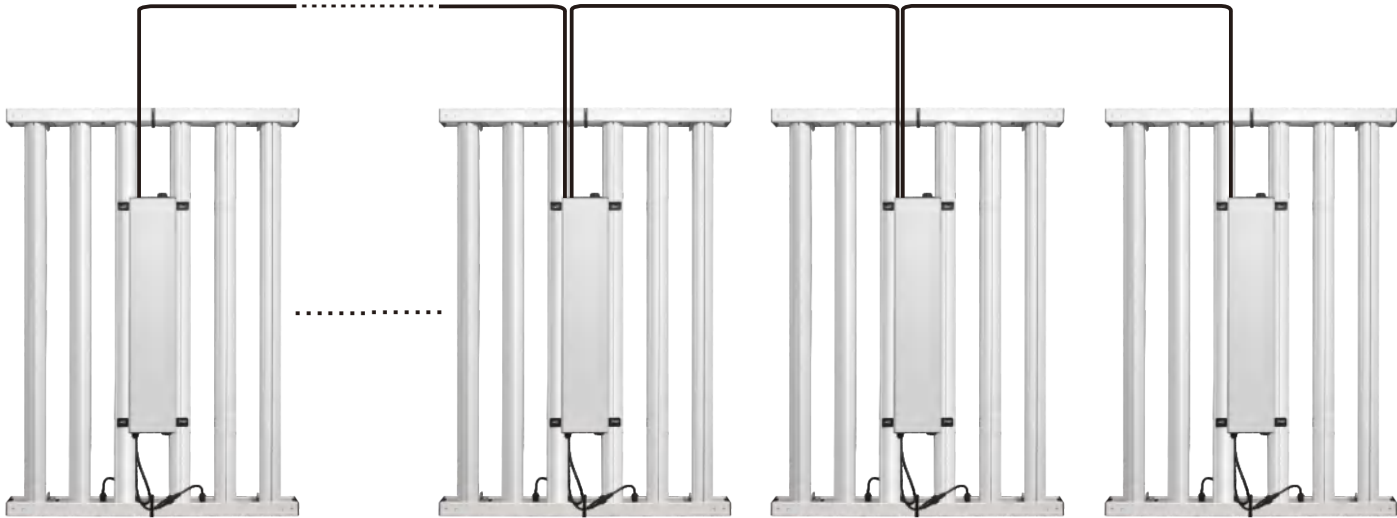
LED Bar Grow Light



- Features:**
- Aluminum housing with good heat dissipation.
 - High brightness and low light decay led chip.
 - Protection rate IP65 with waterproof function.



Multiple lights can be connected

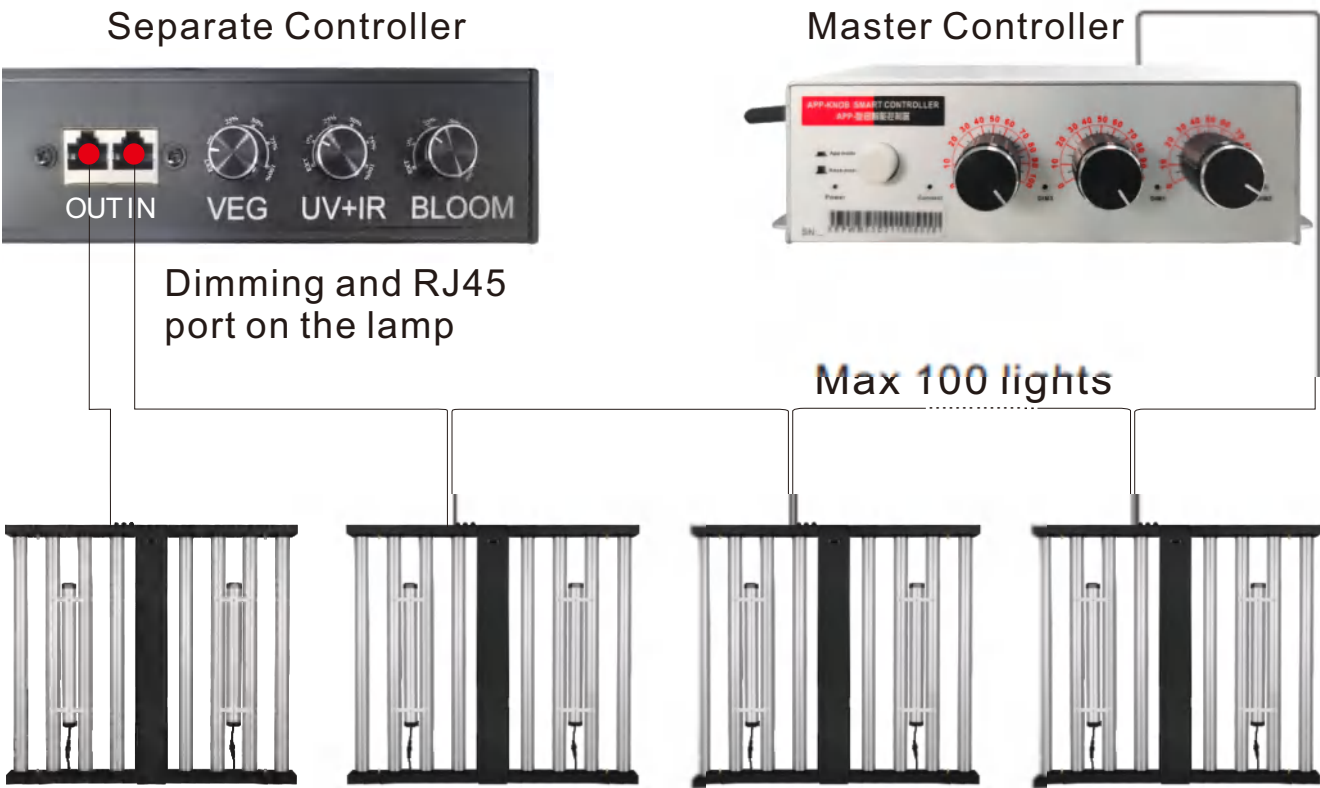
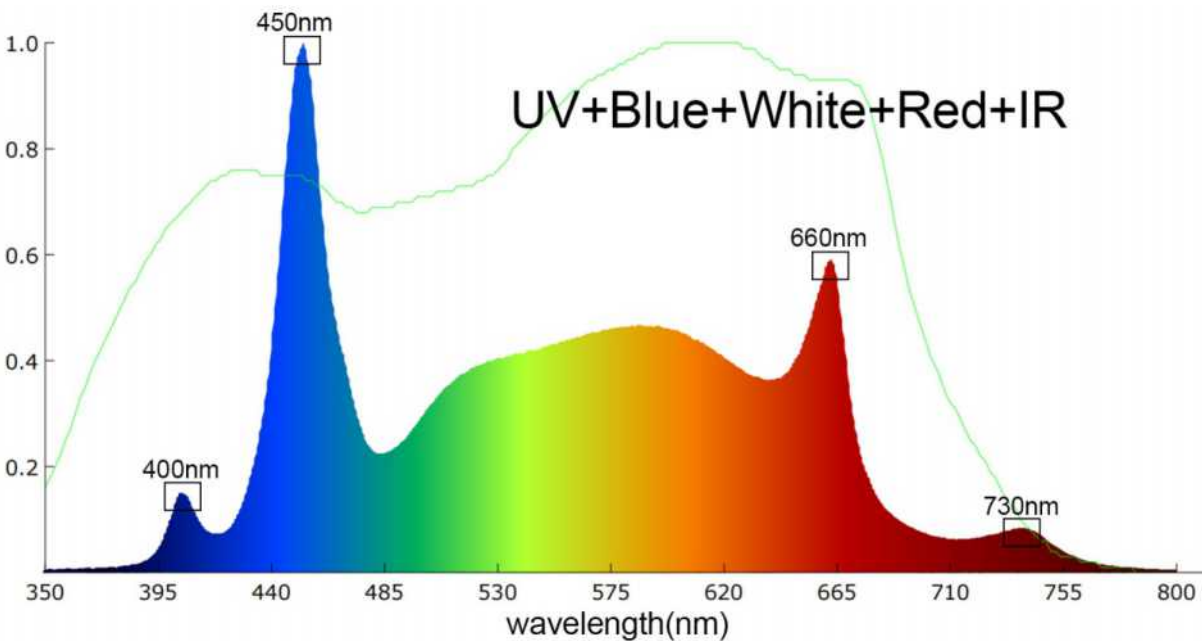
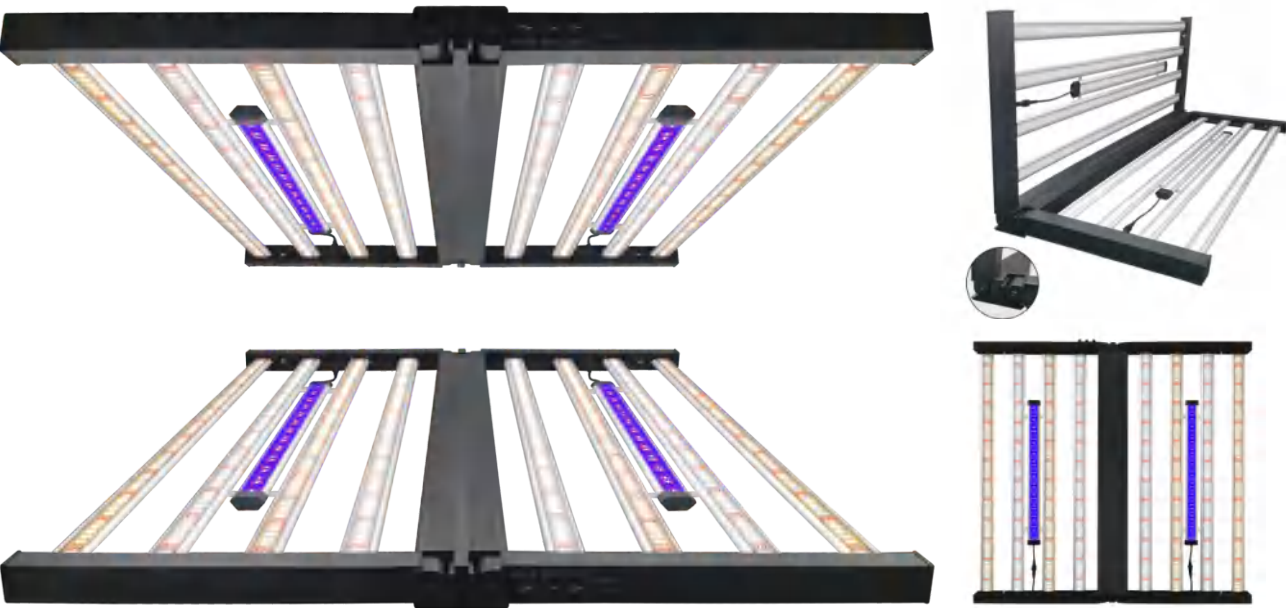


Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVT0001CA-100B1	100W	AC100-240V 50-60Hz	3030 SMD	216PCS	120°	IP65	Full Spectrum	101.3*5.5*5cm
LVT0001CA-100B3	300W	AC100-240V 50-60Hz	3030 SMD	648PCS	120°	IP65	Full Spectrum	108*38.8*8.5mm
LVT0001CA-100B6	600W	AC100-240V 50-60Hz	3030 SMD	1296PCS	120°	IP65	Full Spectrum	108*78*8.5cm
LVT0001CA-100B9	900W	AC100-240V 50-60Hz	3030 SMD	1944PCS	120°	IP65	Full Spectrum	108*110.4*9cm

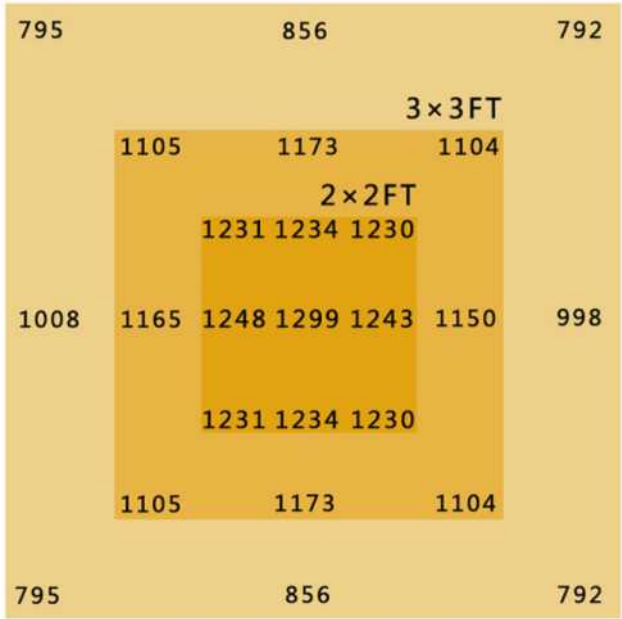
LED Bar Grow Light

Features:

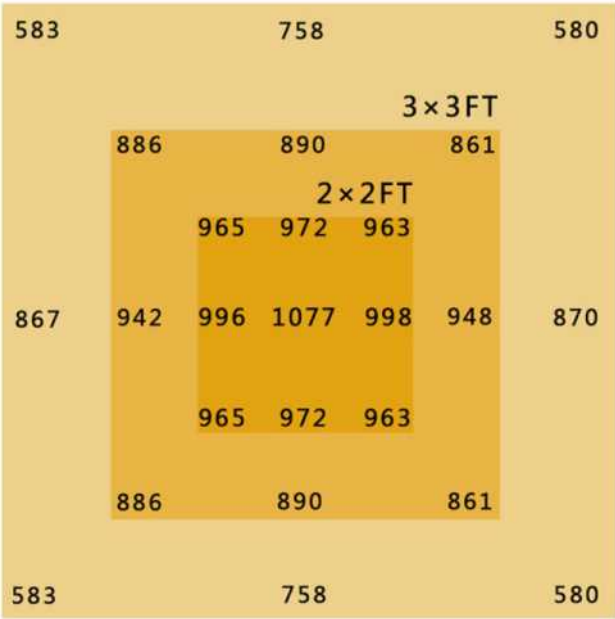
- Aluminum housing with good heat dissipation.
- High brightness and low light decay led chip.
- IP65 Waterproof and 0-100% dimming.
- Full spectrum and spectrum can be changed.



HEIGHT 8"



HEIGHT 10"

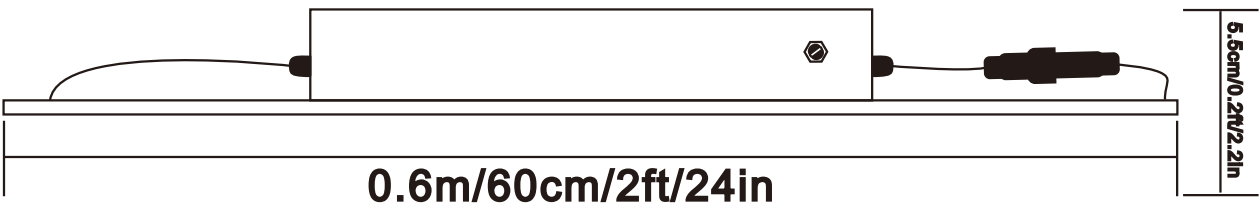
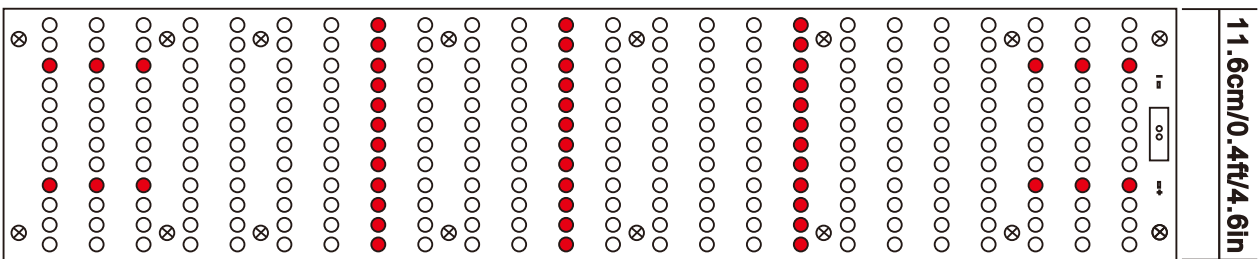
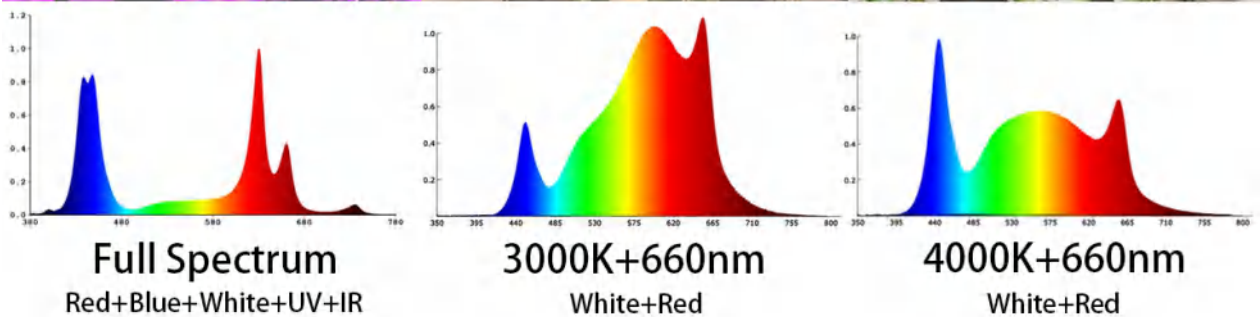
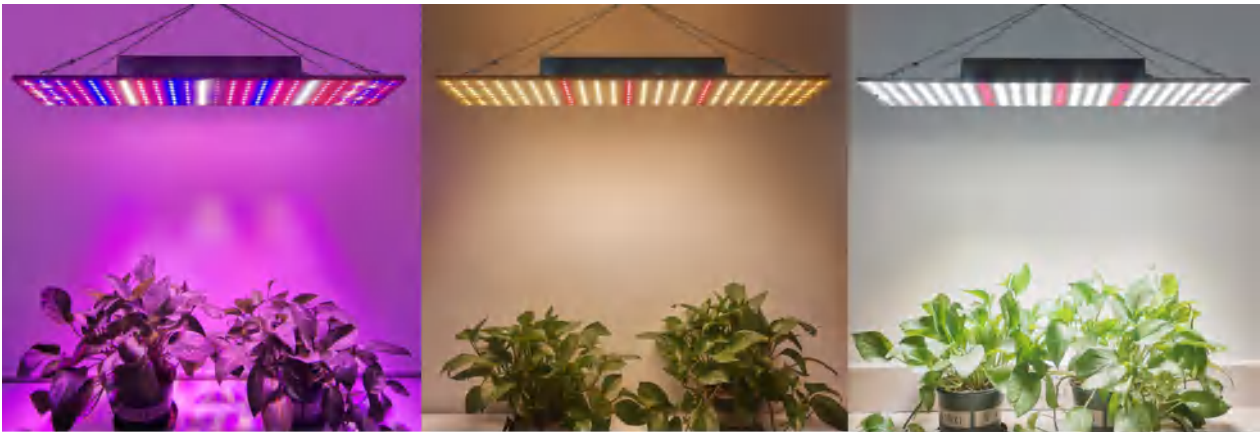


Model	Power	Input Voltage	LED Type	LED Qty	⤴	IP	Spectrum	Size / Length
LVT0001CA-100B8	630W	AC100-240V 50-60Hz	3030 SMD	1728PCS	120°	IP65	Full Spectrum	114*108*6cm
LVT0001CA-100B10	720W	AC100-240V 50-60Hz	3030 SMD	1920PCS	120°	IP65	Full Spectrum	114*108*6cm

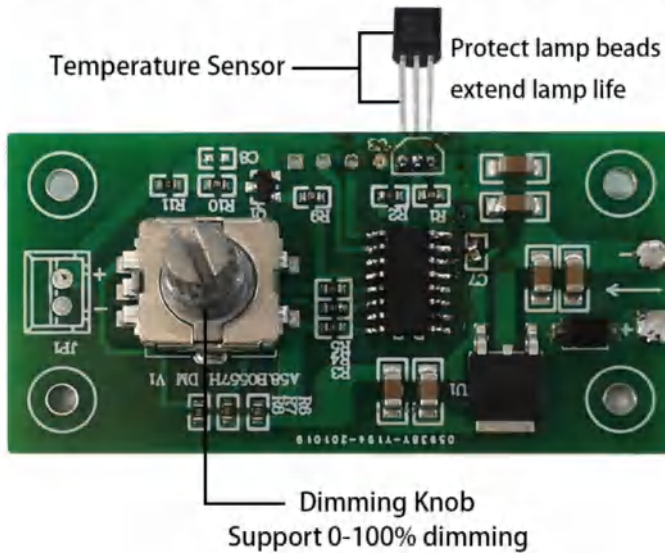
LED Board Grow Light

Features:

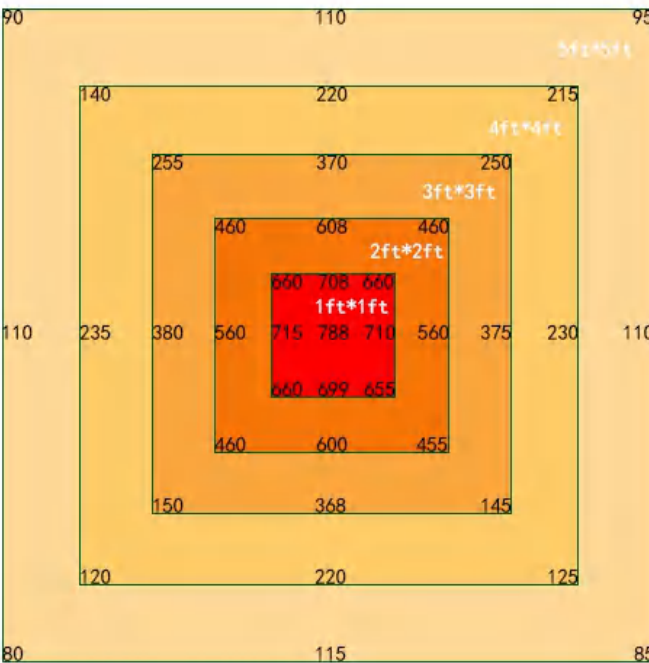
- Aluminum plate can help the lamp have good heat dissipation.
- The lamp with MEAN WELL supply power and support dimming.
- Three different spectrum can be choose with high PPFD.
- With Temperature control system can protection the lamp.



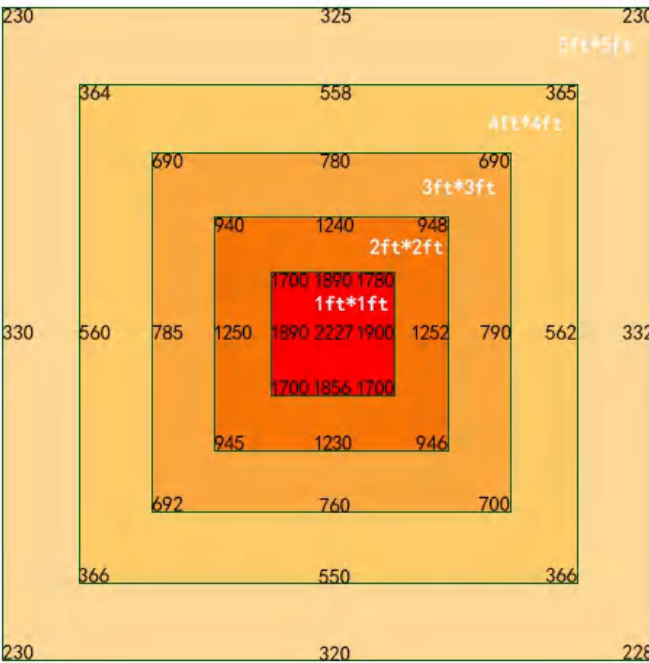
- 1.Lamp Temp>70°C,power will drop to 30W
- 2.Lamp Temp<50°C,Power will return to original power




100W-Distance:12"



150W-Distance:12"

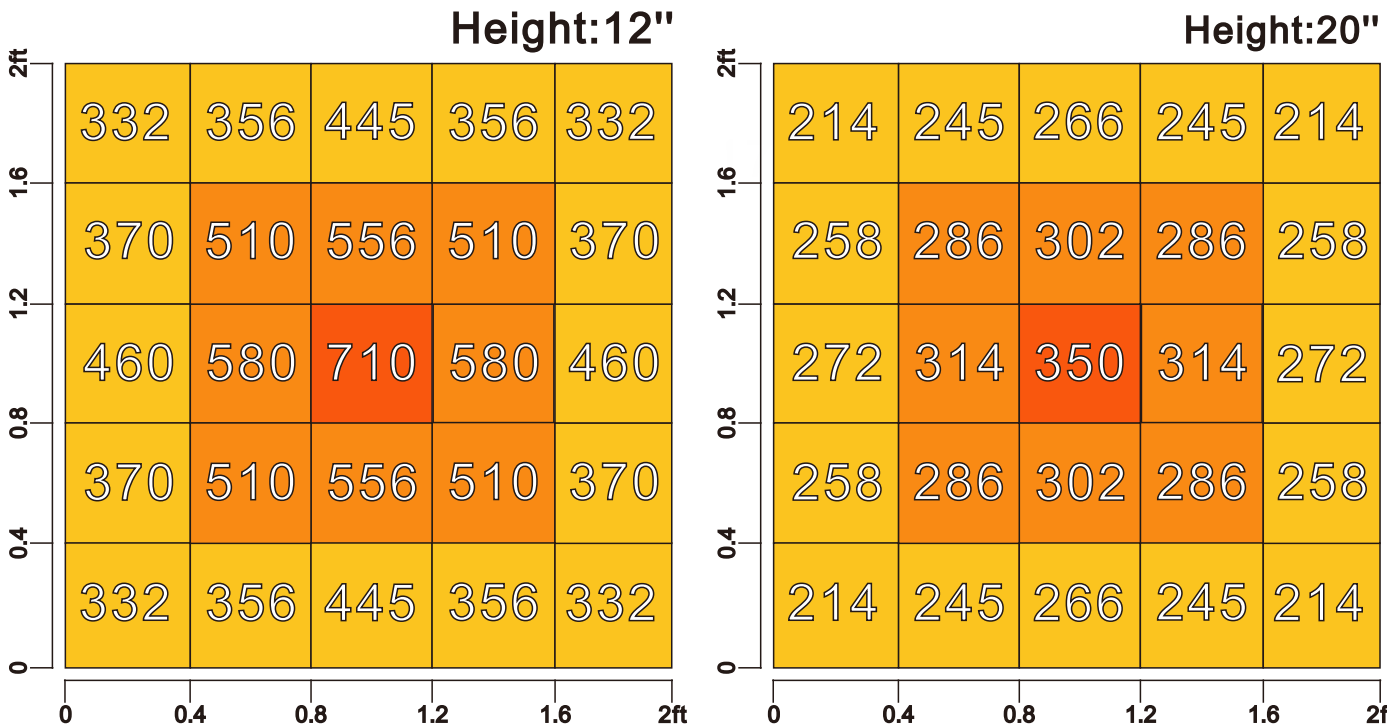
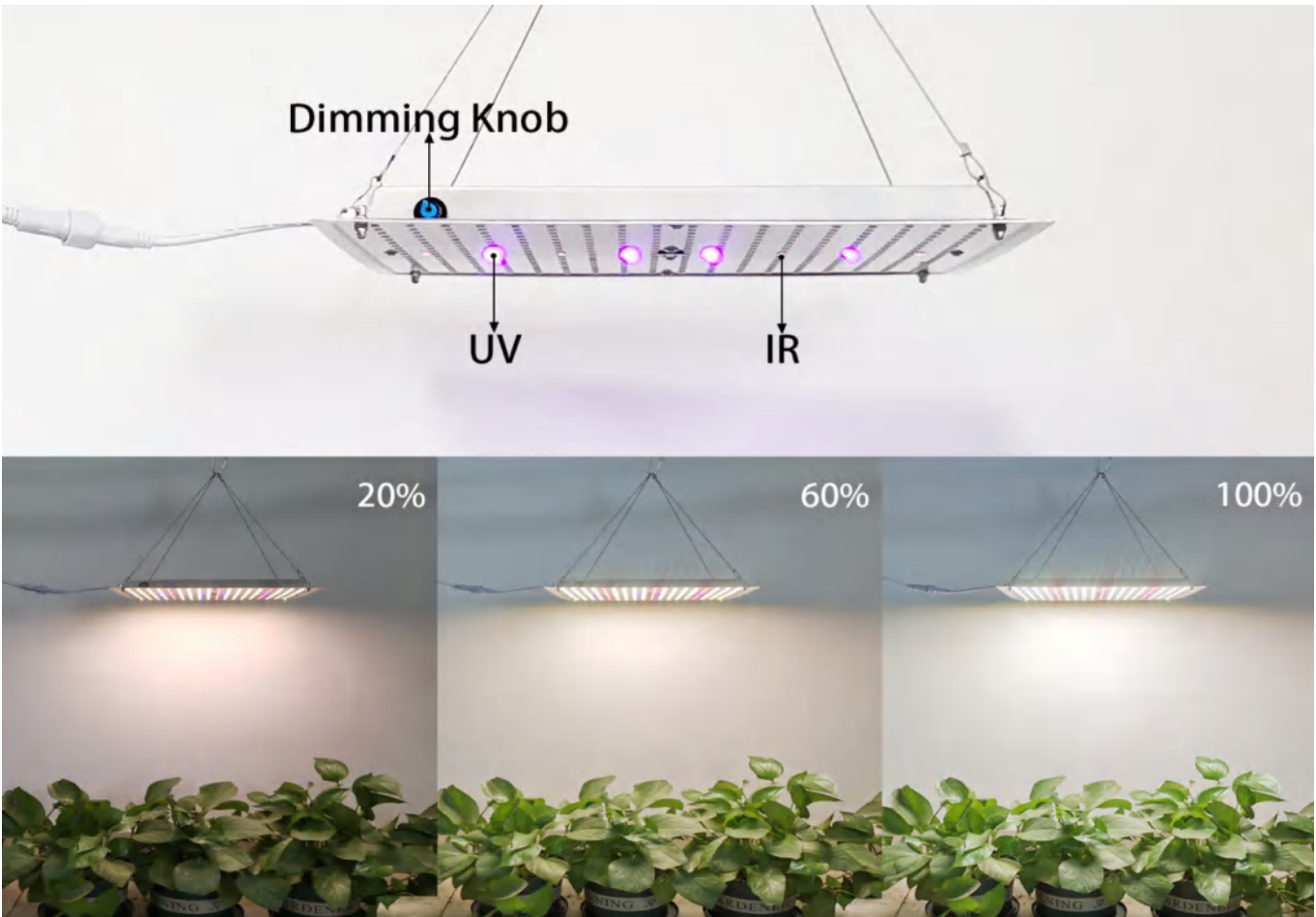
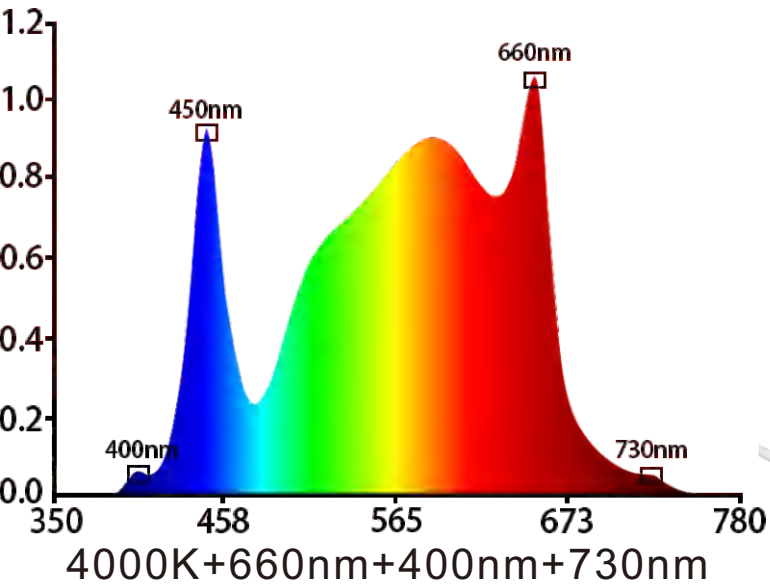
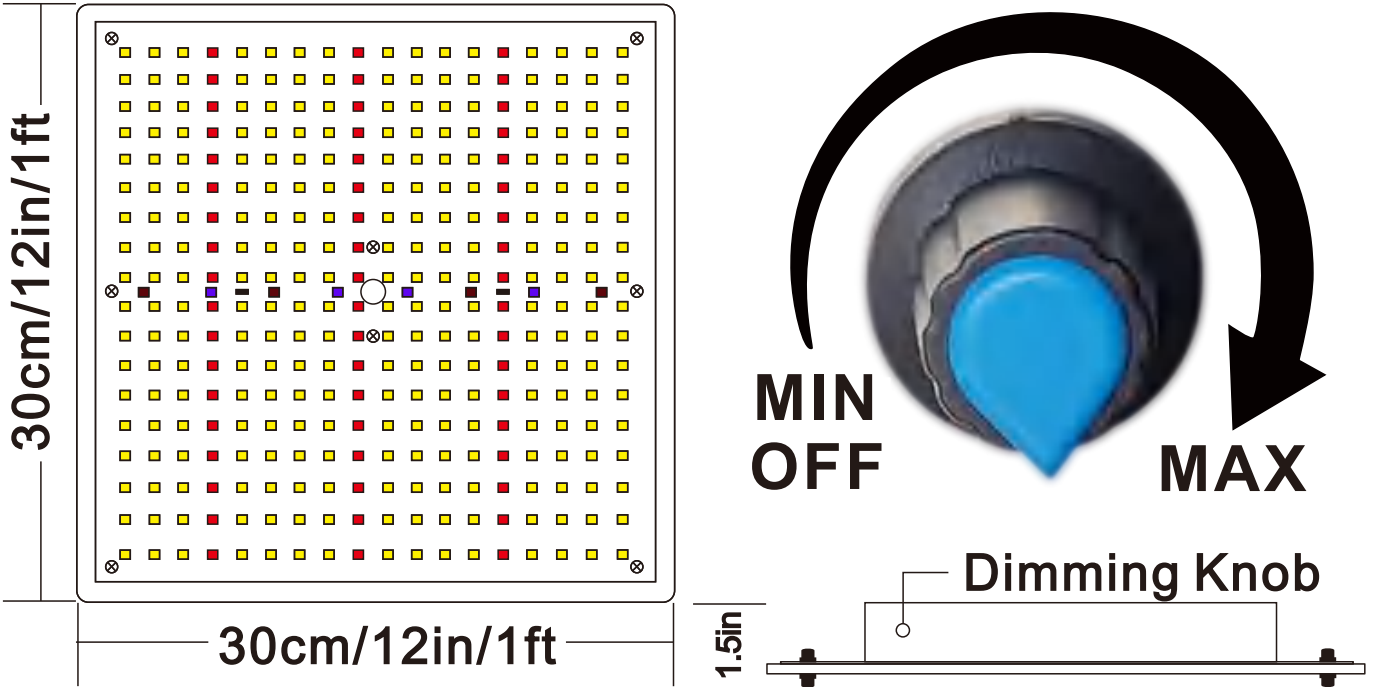


Model	Power	Input Voltage	LED Type	LED Qty		IP	Spectrum	Material
LVXD03AB-100-A	100W	AC100-240V 50-60Hz	3030 SMD	288PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVXD03AB-100-B	150W	AC100-240V 50-60Hz	3030 SMD	288PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVXD03AB-100-C	240W	AC100-240V 50-60Hz	3030 SMD	576PCS	60°/90°	IP65	Full Spectrum	Aluminum

LED Board Grow Light

Features:

The lamp with Lifud supply power and support dimming.
Full spectrum with red white uv ir lamp beads,wavelength can be customized.
With 332pcs 2835smd chips,60/90/120 degrees.

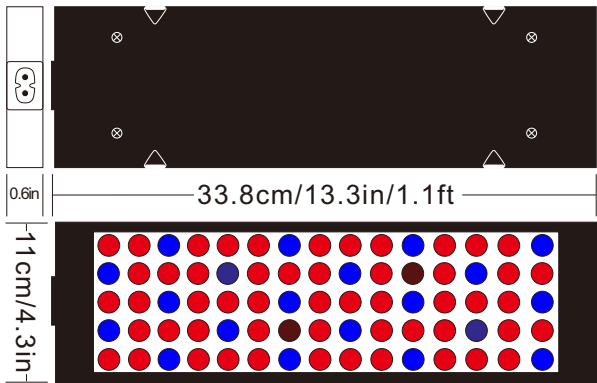


Model	Power	Input Voltage	LED Type	LED Qty		Spectrum	IP	Material
LVXD03AB-70-A	70W	AC100-240V 50-60Hz	2835 SMD	332PCS	60°/90°/120°	Red+White UV+IR	IP44	Aluminum

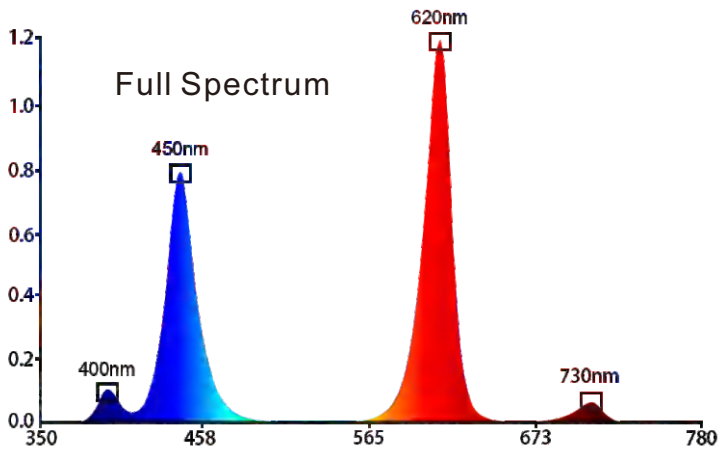
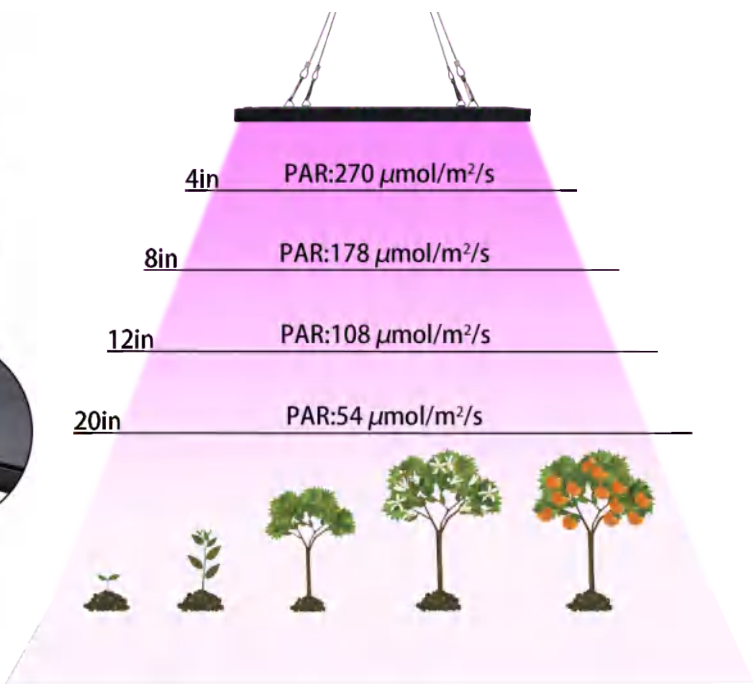
LED Panel Grow Light

Features:

- Glass+Iron,iron can be designed to different shap.
- Full spectrum and wavelength can be customized.
- The lamp with two fans and Aluminum plate,good heat dissipation.



- Red LED 620nm(53pcs): Promote the formation of chlorophyll and help plants to bloom and bear fruit.
- Blue LED 460nm(18pcs): Increase plant dry matter quality and help plants grow stems and leaves.
- IR LED 730nm(2pcs): Help plants grow taller and use it with red to control the flowering cycle.
- UV LED 400nm(2pcs): Disinfection and sterilization effect and reduces plant diseases.



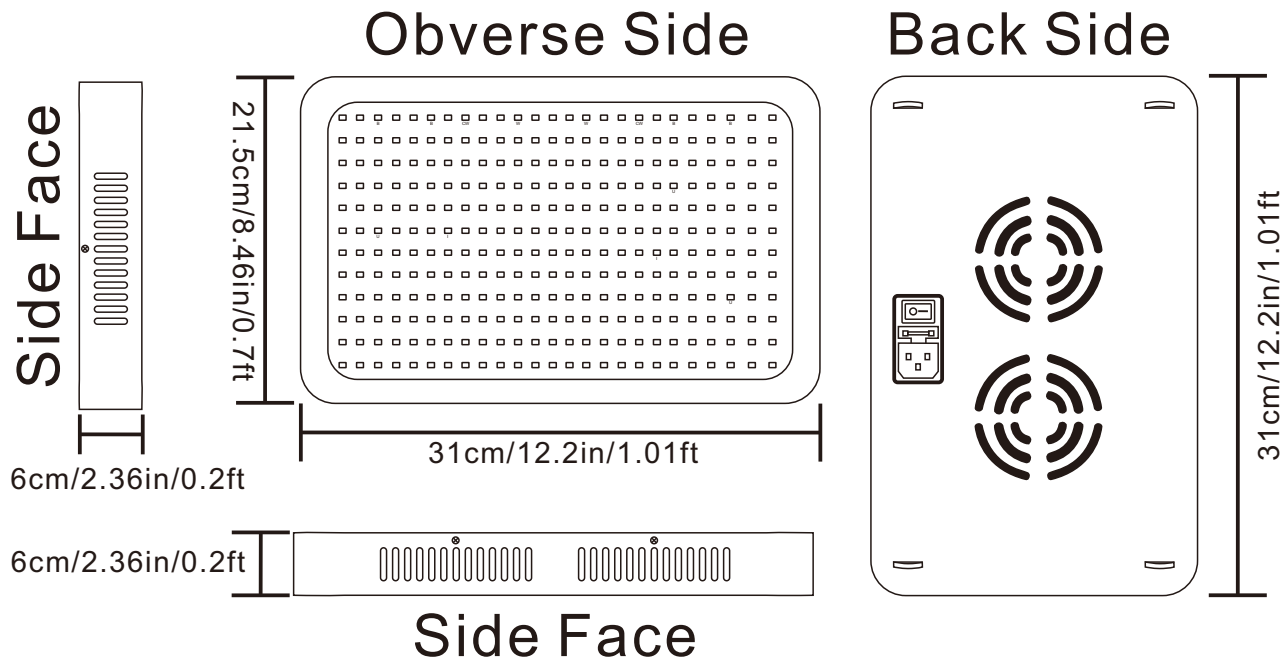
Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Material
LVLQ002AA-40	40W	AC100-240V 50-60Hz	2835 SMD	75PCS	120°	IP44	Iron+PC

LED Panel Grow Light



Features:

- Glass+Iron,iron can be designed to different shap.
- Full spectrum and wavelength can be customized.
- The lamp with two fans and Aluminum plate,good heat dissipation.



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Material
LVSZ001AB1000	600W	AC100-240V 50-60Hz	2835 SMD	300PCS	120°	IP44	Iron+Glass
LVSZ001AB-2000	1000W	AC100-240V 50-60Hz	3030 SMD	240PCS	120°	IP44	Iron+Glass
LVSZ002AB-2000	1500W	AC100-240V 50-60Hz	3030 SMD	360PCS	120°	IP44	Iron+Glass

LED Panel Grow Light



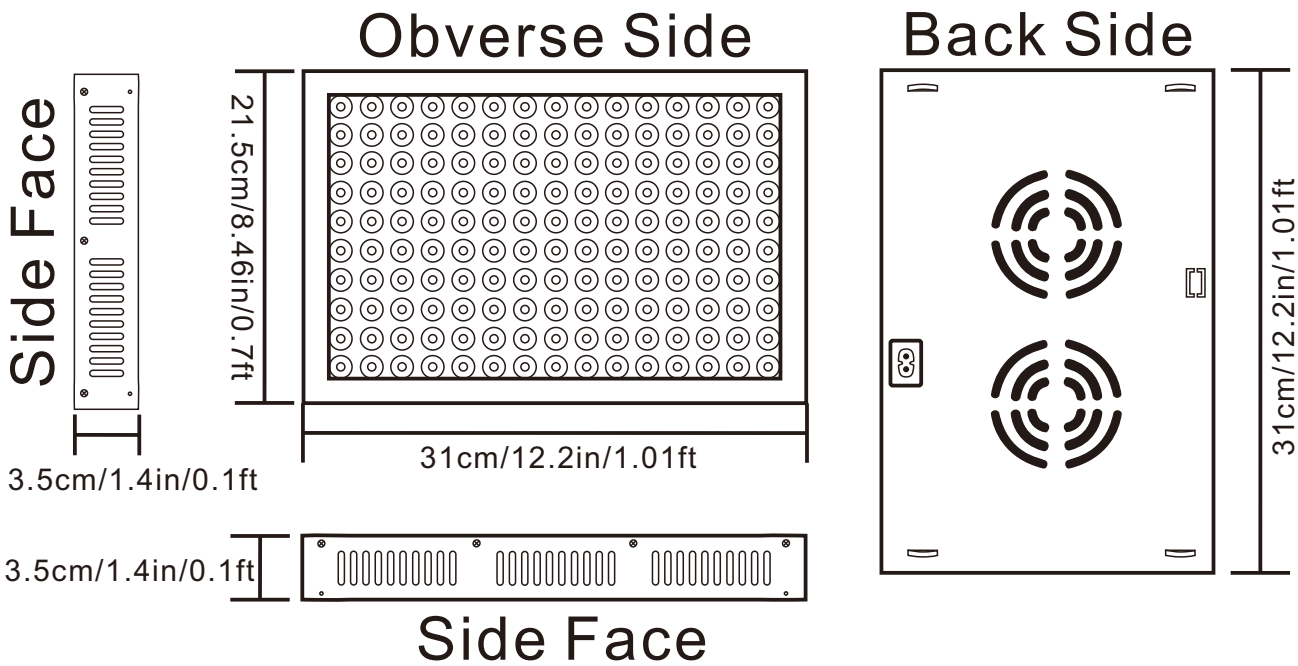
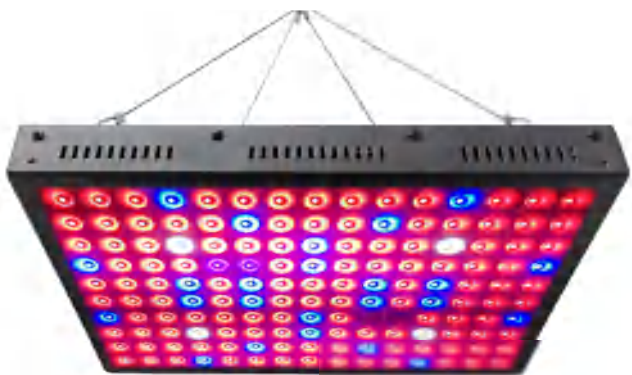
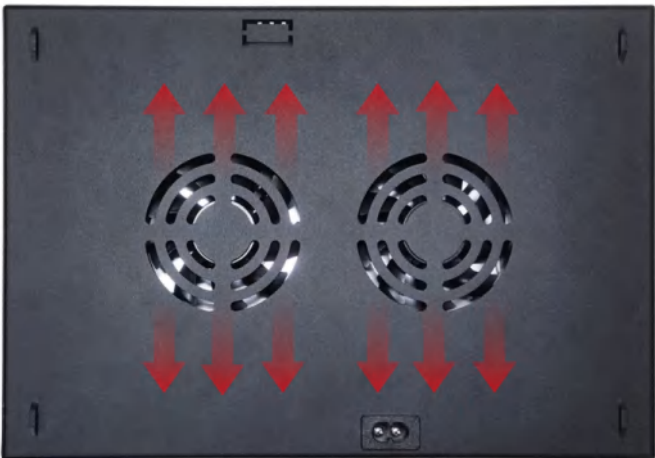
Features:

- Glass+Iron,iron can be designed to different shap.
- Full spectrum and wavelength can be customized.
- The lamp with two fans and Aluminum plate,good heat dissipation.



Double Ball Bearing fan:

- Long life span,about 60000-100000H
- Good anti-aging performance
- No oil leakage problem

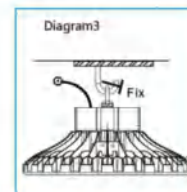
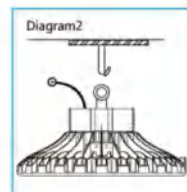
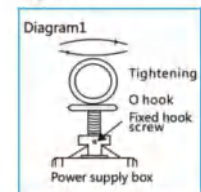


Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Material
LVSZ001AA-120	600W	AC100-240V 50-60Hz	3030 SMD	150PCS	120°	IP44	Iron+Glass

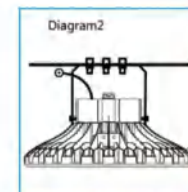
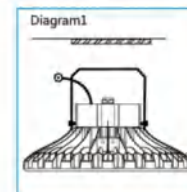
LED UFO Grow Light



Option 1

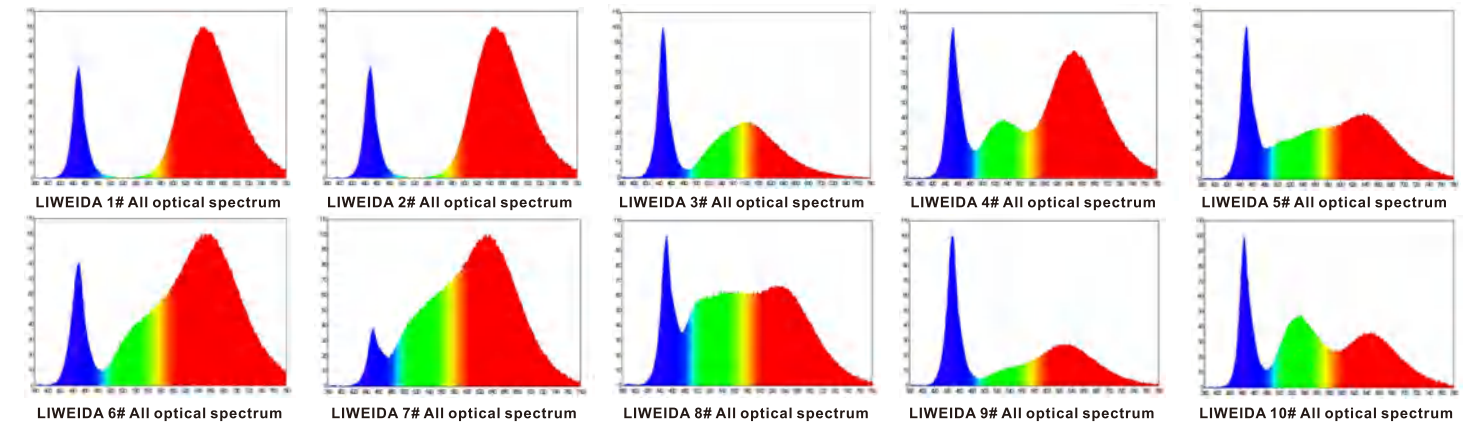


Option 2



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Driver
LVPJL06-100	100W	AC100-240V 50-60Hz	3030 SMD	133PCS	60°/90°	IP65	Full Spectrum	MEAN WELL
LVPJL06-160	160W	AC100-240V 50-60Hz	3030 SMD	210PCS	60°/90°	IP65	Full Spectrum	MEAN WELL
LVPJL06-200	200W	AC100-240V 50-60Hz	3030 SMD	266PCS	60°/90°	IP65	Full Spectrum	MEAN WELL
LVPJL06-240	240W	AC100-240V 50-60Hz	3030 SMD	266PCS	60°/90°	IP65	Full Spectrum	MEAN WELL

SPECTRAL CHROMATOGRAM



1#full spectrum: mainly for leaf, fruit, respectively (lettuce, lettuce mustard, tomatoes, peppers, grapes) Focus on: foliage plants

2# full spectrum: mainly suitable for flowers, flowering, blooming, quick flowering cycle. Focus on: flowering and fruiting

4# full spectrum: mainly for flowers and plants (hemp, tomatoes, pitaya,pepper) Focus on: hemp



6# full spectrum: mainly for flowers, foliage plants (canola, broccoli, chrysanthemums, roses, lettuce), Focus on: flower breeding to grow up

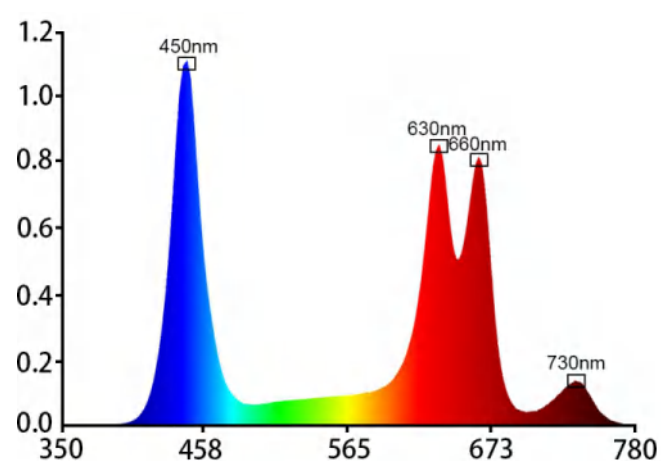
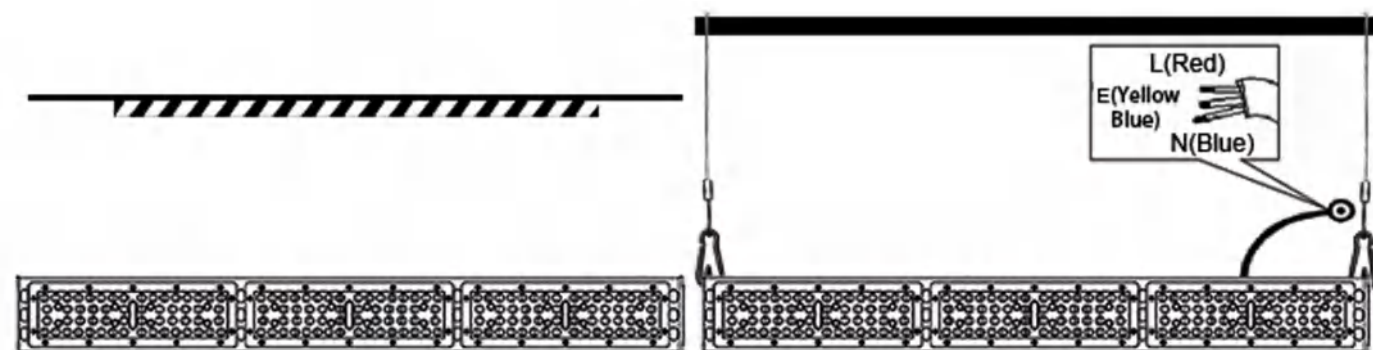
10# full spectrum: the main root stem plants (potato, carrot, onion, potato) Focus on: rhizome plant

LED Linear Grow Light

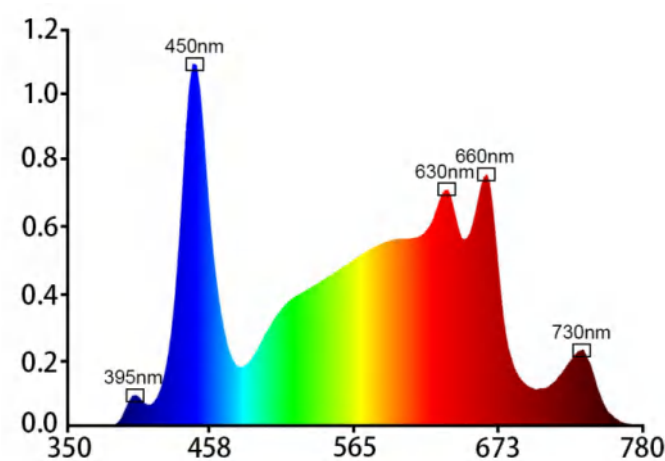


Features:

- Aluminum housing with good heat dissipation.
- High brightness and low light decay led chip.
- Protection rate IP65 with waterproof function.



Red+Blue+White+IR



White+Red+Blue+UV+IR

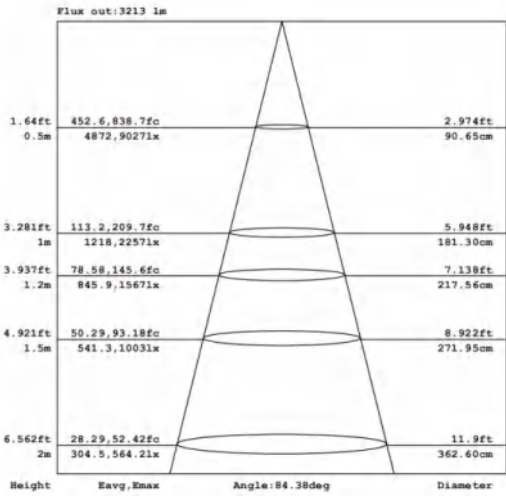


353/ 620/ 887/ 1154/ 1421mm

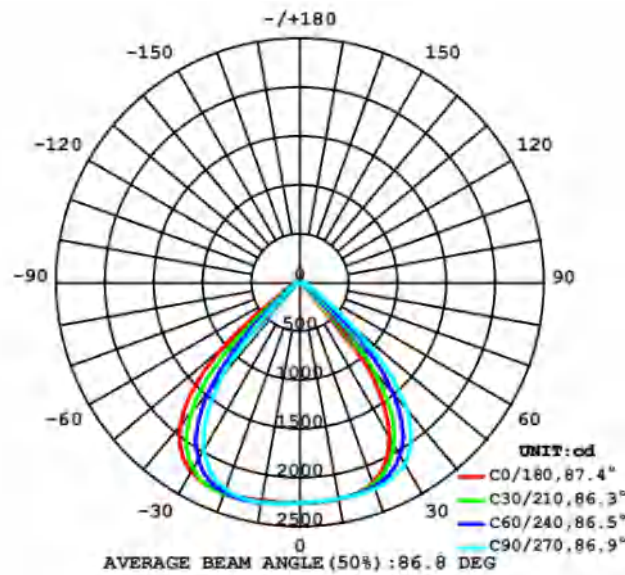


Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Size / Length
LVXD03AA-50	50W	AC100-240V 50-60Hz	3030 SMD	56PCS	60°/90°	IP65	Full Spectrum	353mm
LVXD03AB-100	100W	AC100-240V 50-60Hz	3030 SMD	112PCS	60°/90°	IP65	Full Spectrum	620mm
LVXD03AC-150	150W	AC100-240V 50-60Hz	3030 SMD	168PCS	60°/90°	IP65	Full Spectrum	887mm
LVXD03AD-200	200W	AC100-240V 50-60Hz	3030 SMD	224PCS	60°/90°	IP65	Full Spectrum	1145mm
LVXD03AE-250	250W	AC100-240V 50-60Hz	3030 SMD	280PCS	60°/90°	IP65	Full Spectrum	1421mm

LED Tunnel Grow Light

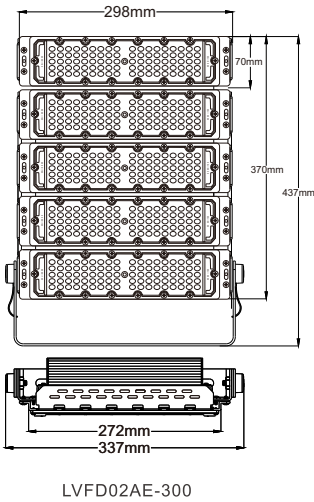
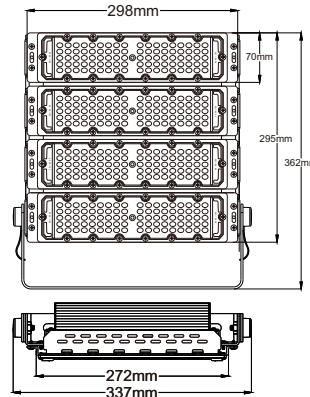
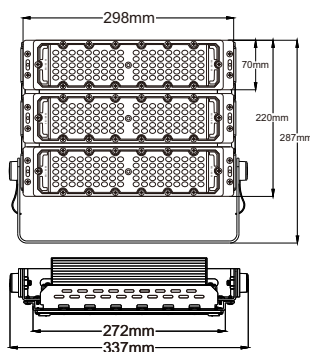
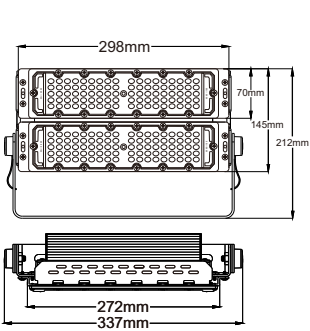
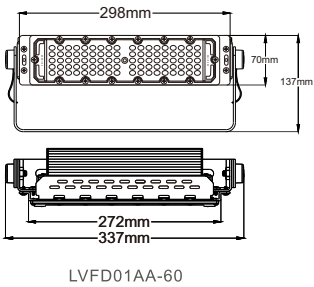
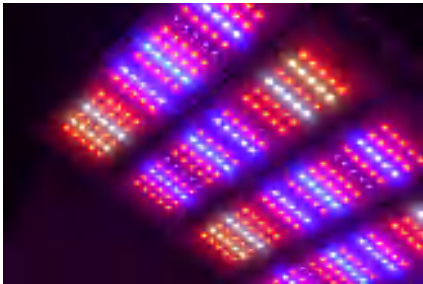


LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Features:

- Die Cast Aluminum Lamp Body with PC Lamp Shade.
- High brightness and low light decay led chip.
- Full spectrum ratio, closer to sunlight
- Protection rate IP65 with waterproof function.



Model	Power	Input Voltage	LED Type	LED Qty	Beam Angle	IP	Spectrum	Material
LVFD01AA-60	60W	AC100-240V 50-60Hz	3030 SMD	90PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVFD01AB-120	120W	AC100-240V 50-60Hz	3030 SMD	180PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVFD01AC-180	180W	AC100-240V 50-60Hz	3030 SMD	270PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVFD01AD-240	240W	AC100-240V 50-60Hz	3030 SMD	360PCS	60°/90°	IP65	Full Spectrum	Aluminum
LVFD01AE-300	300W	AC100-240V 50-60Hz	3030 SMD	450PCS	60°/90°	IP65	Full Spectrum	Aluminum