Signcomplex
light and smart

Plant
Grow Lighting

📞 +86 755 2760 8650

🔗 www.signcomplex.com

✉ marketing@signcomplex.com

Grow

your business

with

LED grow lights

ABOUT SIGNCOMPLEX

Founded
in 2006

700+
employees

Certified systems
ISO9001:2015 quality system
ISO14001 environmental system

Market share
Europe 40%/ North America 37%/
China 8%/ other 15%

200+ patents

Factory area
50,000㎡

Main products
LED smart lighting
Plant grow lighting

Product certification
CE/RoHS/ERP/UL/
DLC/UKCA, etc.

National high-tech
enterprise

Customized service

BUSINESS ADVANTAGE

Self-R&D

Our R&D and engineering team with over 100 people has rich experience in shape design, electronic structure, optical design, light control system and process improvement, etc. OEM/ODM services is available.

Self-manufacture

Large factory area, professional production line for plant lighting products, sufficient production capacity.

Professional supply chain management system

The products have characteristics and high cost performance.

Professional service team

We have professional sales, technical support, quality control and logistics team to provide thoughtful service to our customers.

CORPORATE CULTURE

Value
Customer and quality first, real-time service, teamwork and continuous innovation.

Business philosophy
Pragmatic, efficient, trustworthy and value-added.

Vision
Global famous brand of intelligent lighting Century enterprise.

Mission
Continuously improve products and services to meet customer needs
Continuously innovate technology to create an intelligent and excellent light environment.
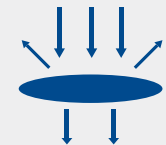
Customized Service

Customize a wide range of LED plant grow light solutions according to specific varieties, growth stages and cultivation environment

Spectrum design

Product appearance design

Optical design

Structure Design

Control mode

Installation method

IMPROVES YOUR CROP

01
Complete control over the plant growth process

02
Better crop quality and uniformity

03
Higher yield

04
More plants in the same space

05
Higher germination, rooting and multiplication factor

EXPLORE MORE

Vertical farming

Maximise indoor single or multi-layer yield planting. LED grow light can help you get a bigger harvest in a smaller space.

Greenhouse

LED lighting can achieve higher light levels and vegetables can grow healthy even without sunlight. Signcomplex lighting solution can provide you with a competitive advantage.

Floriculture

LED growth light can control all growth stages of flowers and indoor climate. Improve the reproductive success of flowers, obtain larger flowers and higher yield.

Vegetable and fruit

Stronger plants, higher fruit weights and more uniform growth. LED indoor plant grow light can help growers obtain fruits of great colour, shape and flavour.
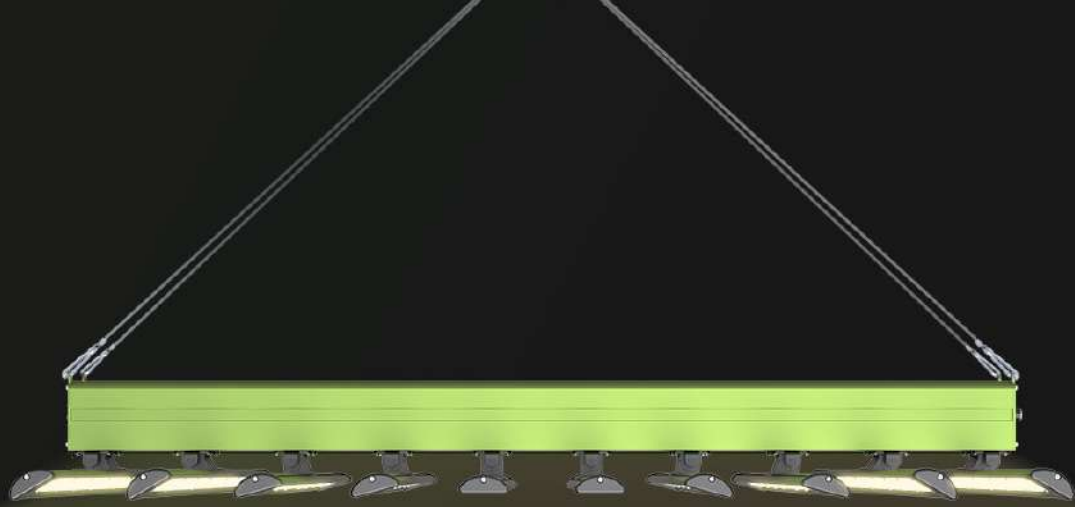
GLB Series

640W | 720W | 1000W

2.7μmol/J
Efficacy

Detachable

5YEARS
Warranty

Plug&Play design

Shrapnel automatic electrical connection, no need to manually connect the plug wire, simple and efficient installation and maintenance.

Removable

The product is detachable, not requiring tools to replace the light source module.

Adjustable Angle

The adjustable angle of each light source module is ±30°, which is convenient for customers to adjust the secondary light distribution, increase the effective irradiation area and PPFD, and improve the utilization efficiency of the light source.

30°   15°   0°   15°   30°
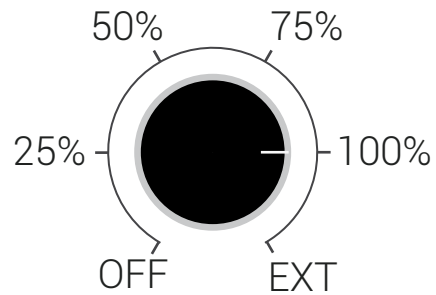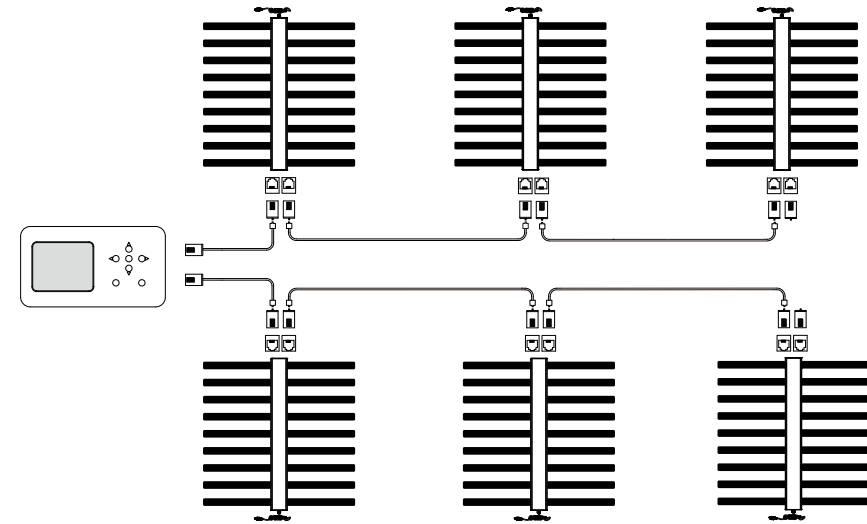
Automatic control

The main controller can be connected to the external main controller to set the switching time and 0-100% dimming every day.

Brightness adjustable

Light intensity can be adjusted according to the growth needs of plants in different periods. OFF-25%-50%-70%-100%-EXT.

50%   75%

25% — — 100%

OFF   EXT

High PPFD & Better Efficiency

Can generate light that has the highest energy efficiency(2.7 umol/J) but only consumes 100 watts. It can increase your yields by 30% while saving your electricity bills.

HEIGHT OF 12"

	4X4 FT	
681	910	704
	3X3 FT	
1079	1135	1020
	2X2 FT	
	1212 1241 1455	
922 1116	1202 1234 1456 1092	921
	1092 1112 1312	
1190	982	879
612	729	586

HEIGHT OF 18"

681	820	601
	3X3 FT	
907	970	1003
	2X2 FT	
	1036 1062 1003	
846 981	1051 1080 1020 1020	790
	965 970 928	
912	870	928
588	724	567

HEIGHT OF 24"

678	783	654
	3X3 FT	
807	845	769
	2X2 FT	
	887 911 869	
751 842	896 922 885 821	736
	824 852 817	
712	762	687
559	676	567

640W PPFD Parameter

Spectrum

Indoor
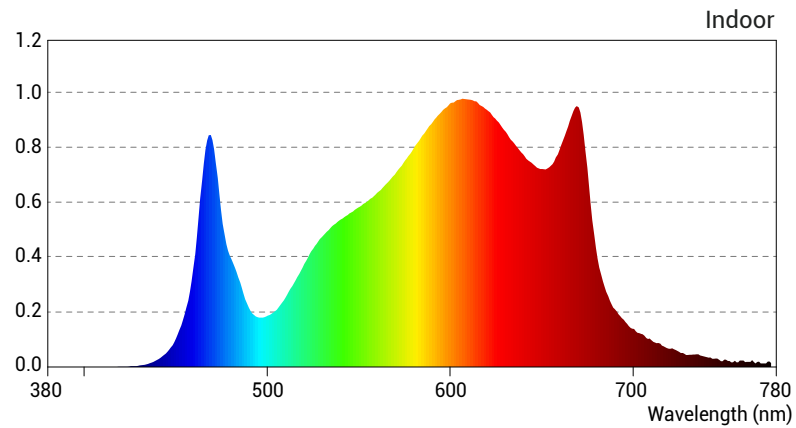
Dimension
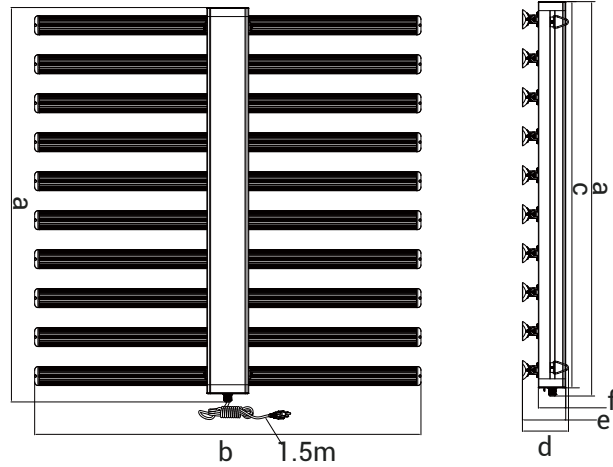
Power	a	b	c	d	e	f
640W/720W/1000W	1225.0 mm 48.23 inch	1200.0 mm 47.24 inch	1200.0 mm 47.24 inch	143.0mm 5.63 inch	134.5 mm 5.30 inch	85.0 mm 3.35 inch

Parameters

Ordinary Series

Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLB-640-AW-TWL-D02	1530±50 μmol/s	2.4 μmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLB-720-AW-TWL-D02	1720±50 μmol/s	2.4 μmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLB-1000-AW-TWL-D02	2400±100 μmol/s	2.4 μmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

High Efficacy Series

Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLB-640-AW-TWL-DH02	1720±50 μmol/s	2.7 μmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLB-720-AW-TWL-DH02	1940±50 μmol/s	2.7 μmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLB-1000-AW-TWL-DH02	2700±100 μmol/s	2.7 μmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

### Other Parameters

Light Distribution:	120°
Mounting Height:	6"- 12" (15.2-30.5cm)Above Canopy
Thermal Management:	Passive
Max. Ambient Temperature:	95°F / 35°C
Dimming:	10 V-Source
Total Harmonic Distortion(THD):	< 10%
Lifespan:	L90: > 50,000hrs

GLH Series

640W | 720W | 1000W

The GLH Series are electronic horticultural LED fixture with 6/8/9 LED light bars to be used in greenhouses or in climate-controlled rooms.
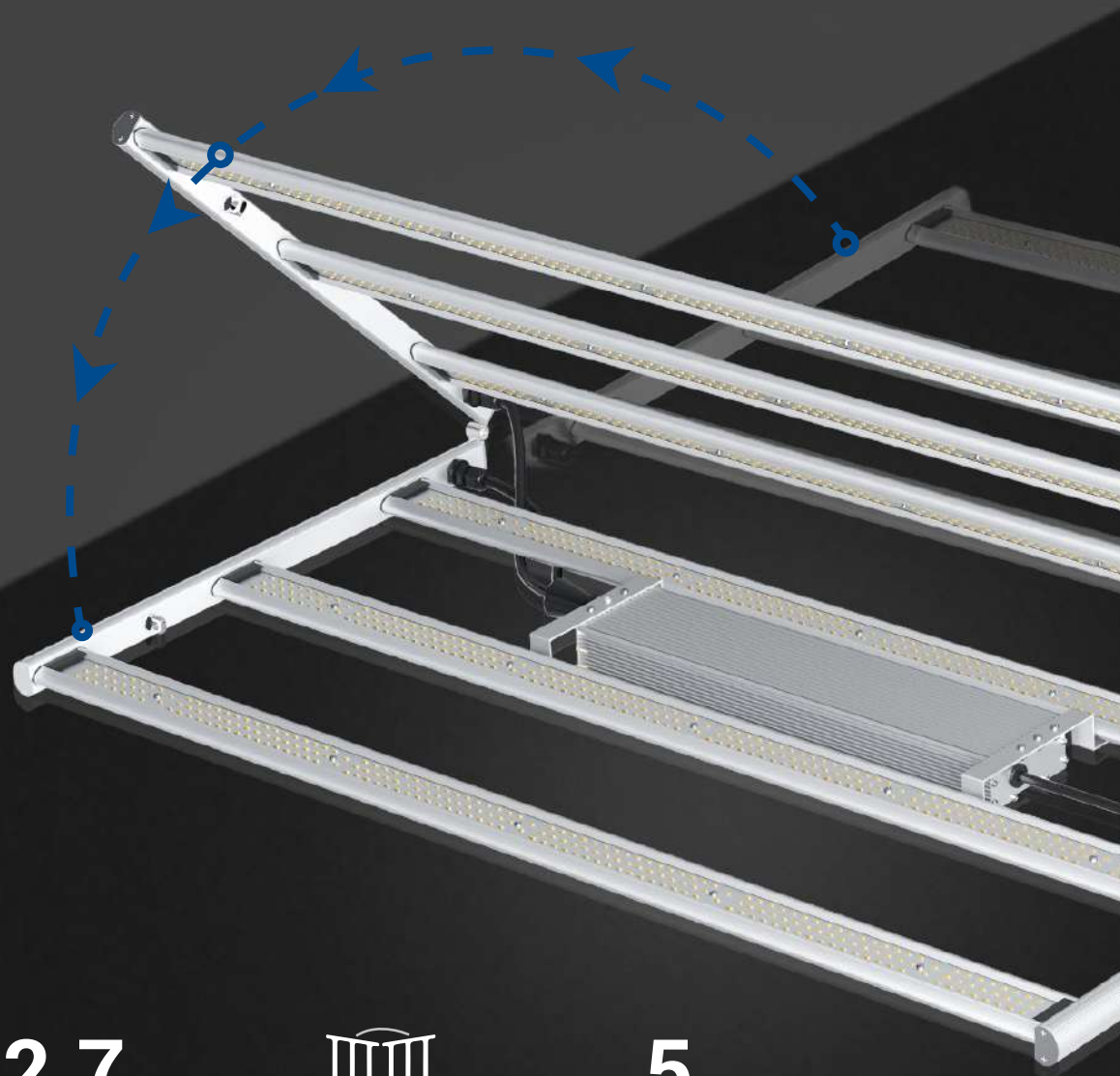
2.7μmol/J
Efficacy

180° Foldable

5YEARS
Warranty

Foldable

180°foldable slim design, making it small, compact, and easy to install.

Saving costs

Power supply is not required to be installed, improving lamp installation efficiency.
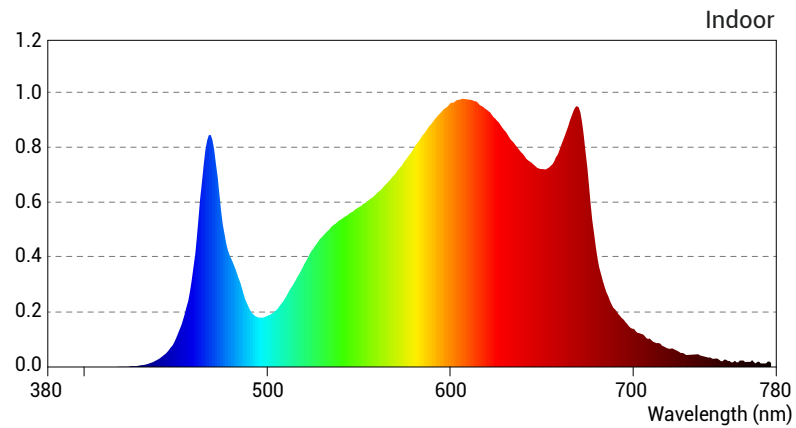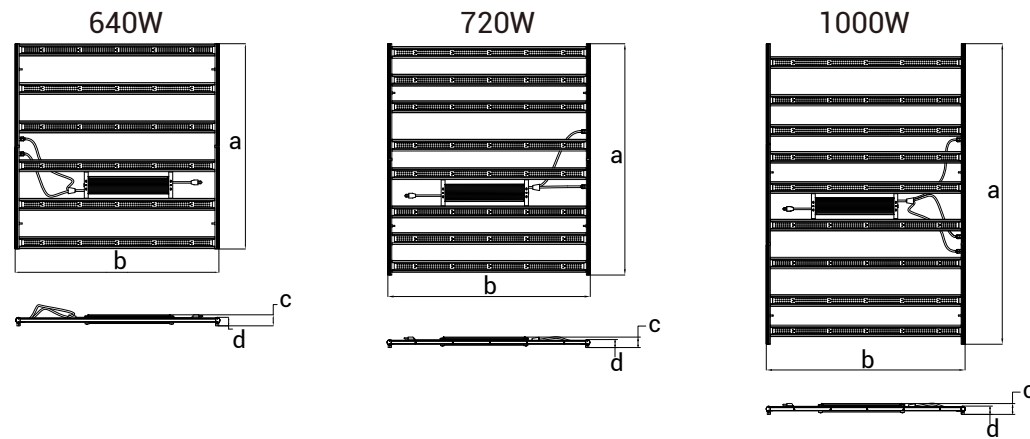
Saving **20%** freight

GLH series   Other

40ft

PCS
PCS

Spectrum

Indoor

Dimension

Power	a	b	c	d
640W	1051 mm 41.38 inch	1043 mm 41.06 inch	56 mm 2.20 inch	43 mm 1.69 inch
720W	1192 mm 46.92 inch	1043 mm 41.06 inch	56 mm 2.20 inch	43 mm 1.69 inch
1000W	1576 mm 62.04 inch	1043 mm 41.06 inch	56 mm 2.20 inch	43 mm 1.69 inch

Parameters

Ordinary Series

Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLH-640-AW-TWL-D02	1530±50 µmol/s	2.4 µmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLH-720-AW-TWL-D02	1720±50 µmol/s	2.4 µmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLH-1000-AW-TWL-D02	2400±100 µmol/s	2.4 µmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

High Efficacy Series

| Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLH-640-AW-TWL-DH02	1720±50 µmol/s	2.7 µmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLH-720-AW-TWL-DH02	1940±50 µmol/s	2.7 µmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLH-1000-AW-TWL-DH02	2700±100 µmol/s	2.7 µmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

Other Parameters

Light Distribution:	120°
Mounting Height:	6"- 12" (15.2-30.5cm)Above Canopy
Thermal Management:	Passive
Max. Ambient Temperature:	95°F / 35°C
Dimming:	10 V-Source
Total Harmonic Distortion(THD):	< 10%
Lifespan:	L90: > 50,000hrs

GLH3 Series

The GLH Series are electronic horticultural LED fixture with 6/9 LED light bars to be used in greenhouses or in climate-controlled rooms.
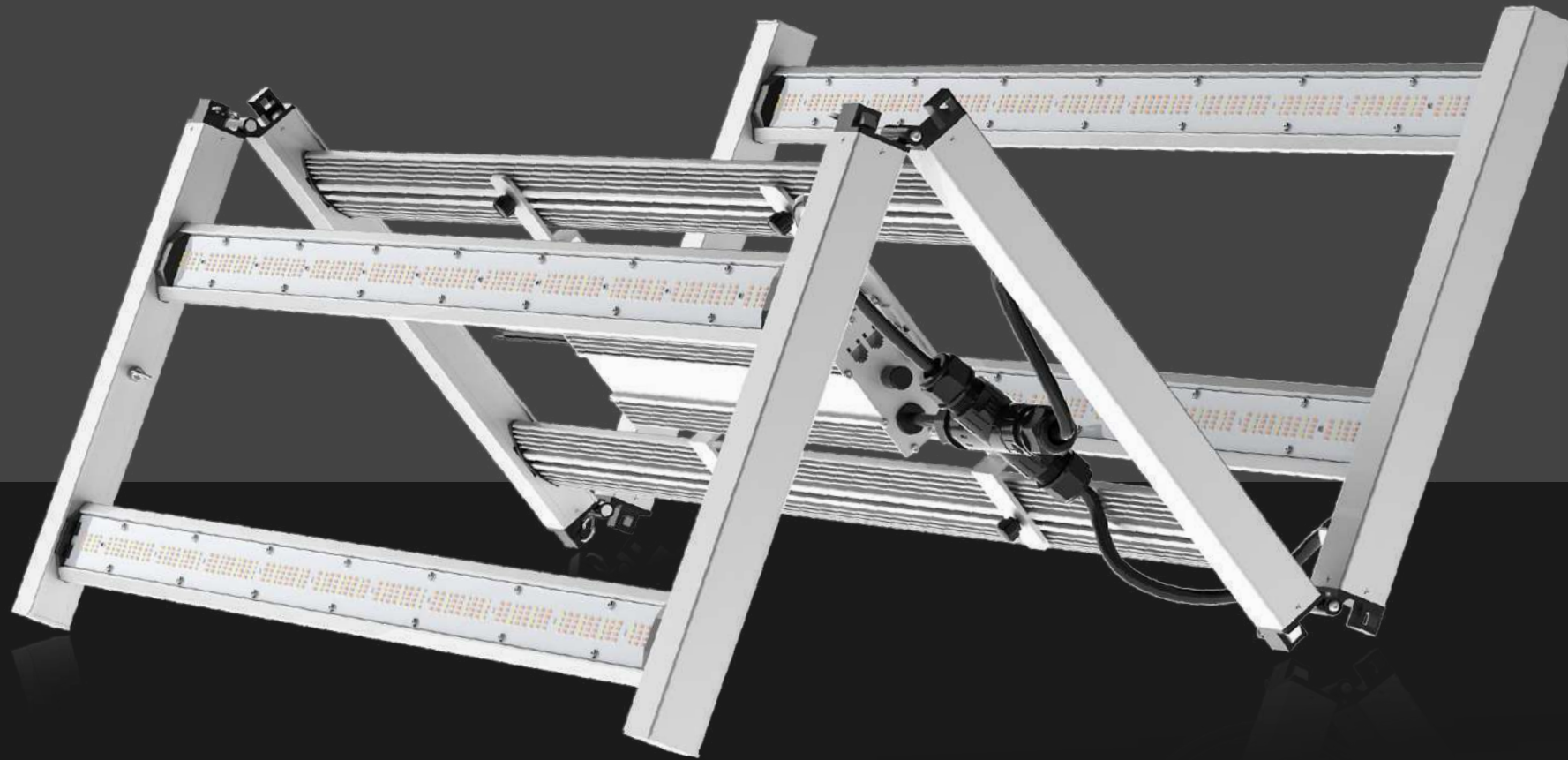
2.7μmol/J
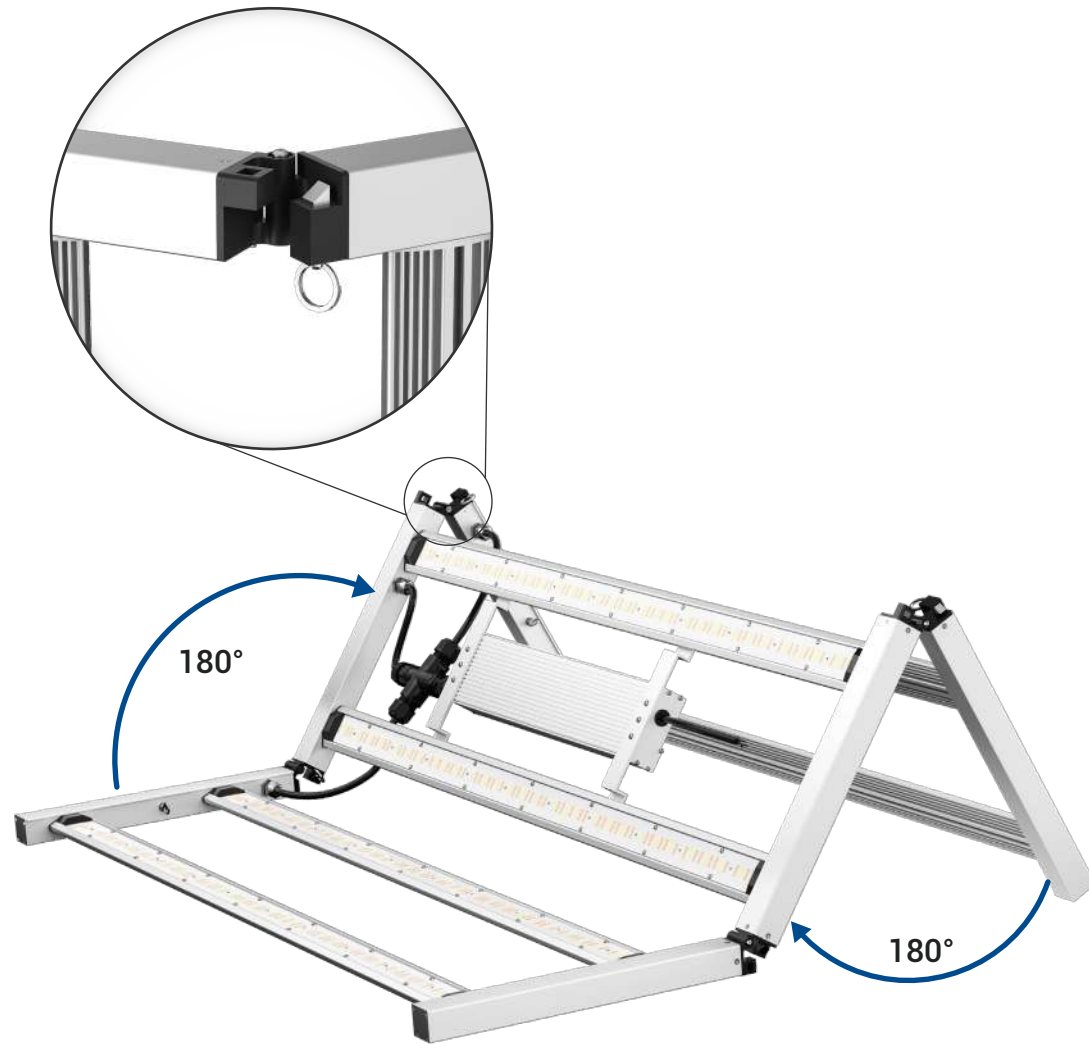Efficacy

Tri-fold

Damp Location

0-10V Dimming

5YEARS
Warranty

>54000hours
Lifespan

Z-shaped folding design

The folding part adopts thimble design, which can be automatically locked when unfolded 180°, making it easy to install and more stable.


180°

180°

Brightness adjustable

Light intensity can be adjusted according to the growth needs of plants in different periods. OFF-25%-50%-70%-100%-EXT.
The main controller can be connected to the external main controller to set the switching time and 0-100% dimming every day.
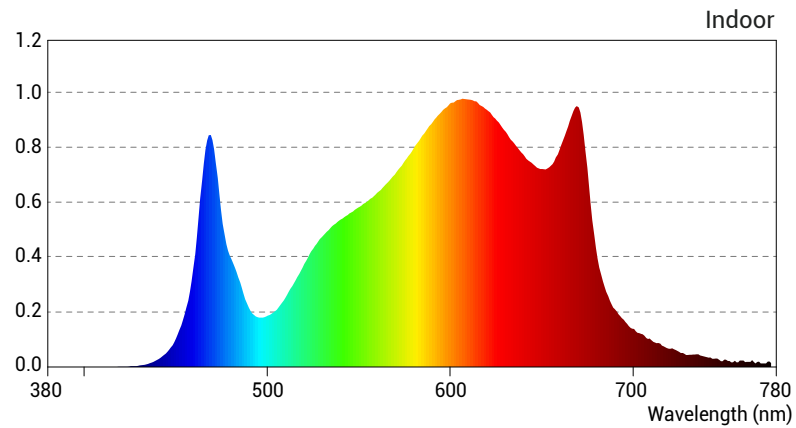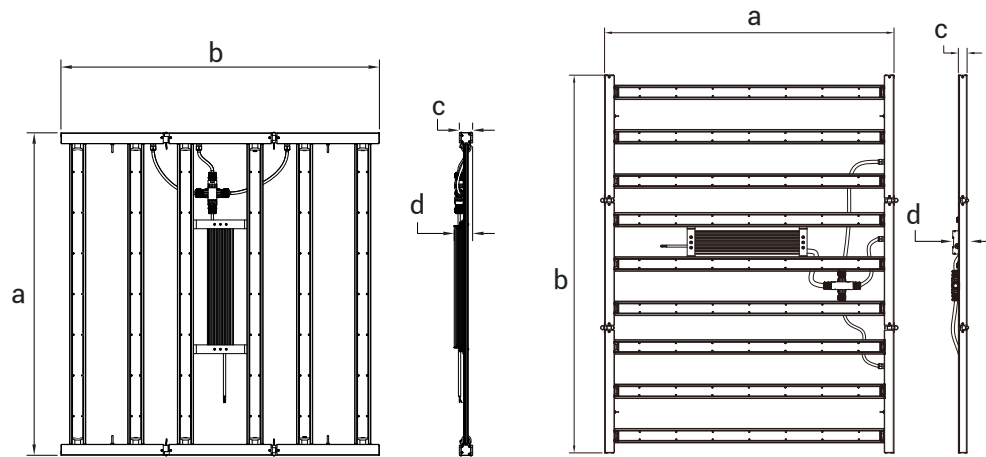

CH1

CH2

Saving installation costs

The power supply is fixed on the heat sink without subsequent installation of the power supply.

Spectrum

Indoor
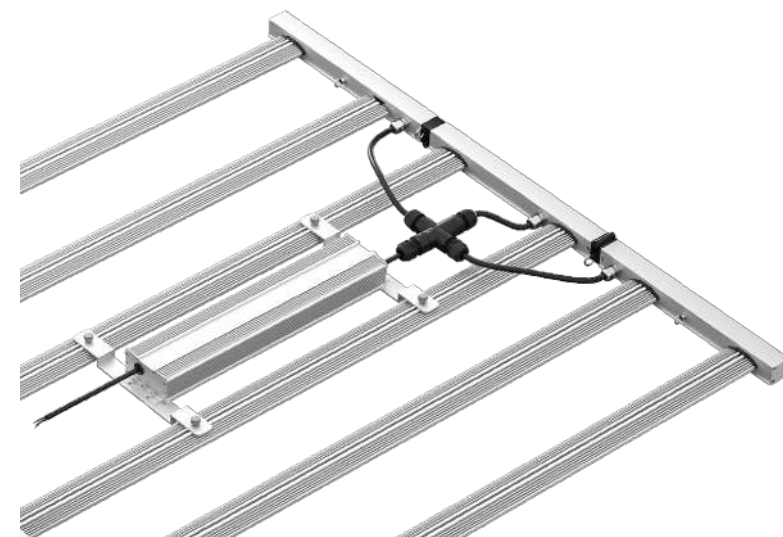
Dimension

Power	a	b	c	d
640W/720W	1110.0 mm 43.70 inch	1100.0 mm 43.30 inch	45.0 mm 2.48 inch	63.0mm 1.77 inch
1000W	1110.0 mm 43.70 inch	1605.0 mm 63.18 inch	33.3 mm 1.31inch	55.0mm 2.16 inch

Parameters

Ordinary Series

Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLH3-640-AW-TWL-D02	1530±50 μmol/s	2.4 μmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLH3-720-AW-TWL-D02	1720±50 μmol/s	2.4 μmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLH3-1000-AW-TWL-D02	2400±100 μmol/s	2.4 μmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

High Efficacy Series

| Model	Light Output PPF	Efficacy	AC Input Power	AC Input Voltage
GLH3-640-AW-TWL-DH02	1720±50 μmol/s	2.7 μmol/J @ 277 AC	635W @ 277V AC	120-277V AC, 50/60Hz
GLH3-720-AW-TWL-DH02	1940±50 μmol/s	2.7 μmol/J @ 277 AC	715W @ 277V AC	120-277V AC, 50/60Hz
GLH3-1000-AW-TWL-DH02	2700±100 μmol/s	2.7 μmol/J @ 277 AC	985W @ 277V AC	200-277V AC, 50/60Hz

Other Parameters

|	
Light Distribution:	120°
Mounting Height:	6"- 12" (15.2-30.5cm)Above Canopy
Thermal Management:	Passive
Max. Ambient Temperature:	95°F / 35°C
Dimming:	10 V-Source
Total Harmonic Distortion(THD):	< 10%
Lifespan:	L90: > 50,000hrs

QCD Series

The QCD Series provide light compensation to plants in accordance with the natural law of plant growth and the principle of photosynthesis, which can promote rooting, germination, growth, prolong the blooming period, and improve quality, etc.
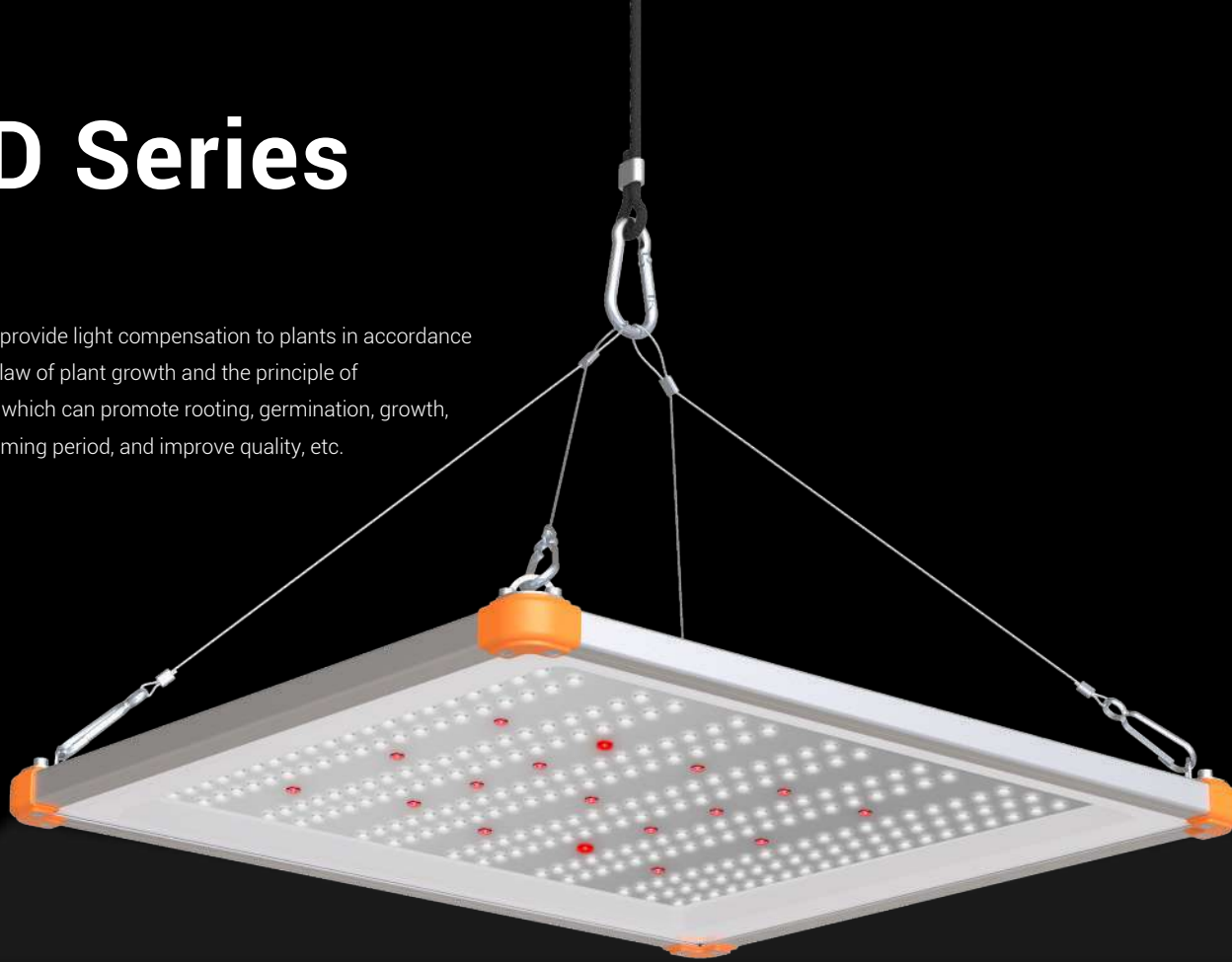
Sunlike full spectrum

Its spectral range is 380-780nm. This full spectrum required by plants can provide plants with natural light from seedling to flowering and fruiting.
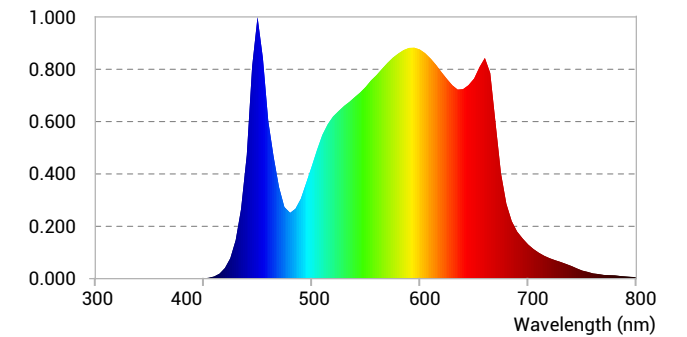
Full-spectrum

High light efficiency

Slim design

Good heat dissipation

Easy installation

Professional plant LEDs

This product uses the latest SMD LED technology, which provides high PAR Output, high energy efficiency of 2.0 umol/J, and improved light penetration.

Dimension

Standard product- AC Input Wire 1.5m

a

b

c
d
e
f
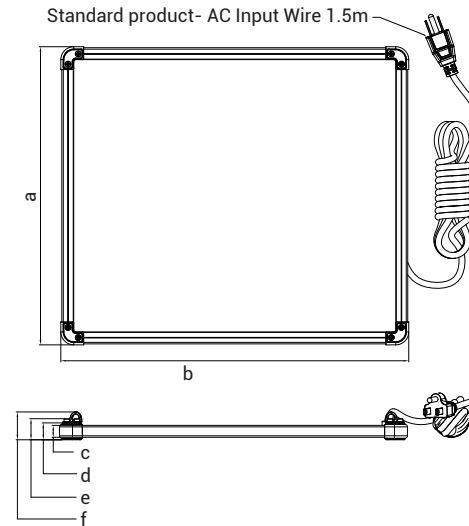
Power	a	b	c	d	e	f
100W	300.0 mm 11.81 inch	350.0 mm 13.78 inch	12.0 mm 0.47 inch	17.0mm 0.67 inch	21.5mm 0.85 inch	28.0 mm 1.10 inch

Slim design

Slim design and easy handling. Saving 50% freight.

28mm

Parameters

Model	Light Output PPF	Efficacy	Power (w)+10%	Voltage frequency	Replace
QCD-100-AL-TWL-101	190 µmol/s	1.8-2.0 µmol/J	100W	120V AC, 60Hz, 1.2AMax	150W HPS

LED Plant Grow Light Kits

-2835 Series

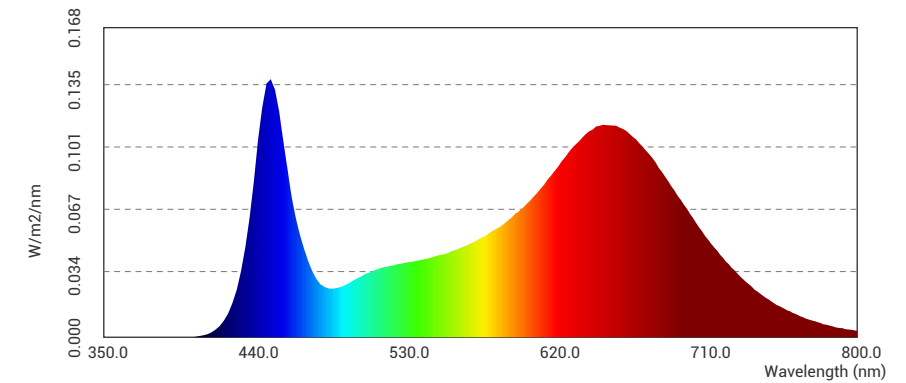LED plant grow light strip provides light compensation to plants in accordance with the natural law of plant growth and the principle of photosynthesis, which can promote rooting, germination, growth, prolong the blooming period, and improve quality, etc.

Support 2-way, 4-way and 6-way connection.

Full spectrum+660nm red light

Quality full spectrun LED and 660nm red light providing perfect spectrum to improve vegetable, fruit and floriculture crops.

10 level brightness

10%-100% light photons touch stepless dimming, 4K refresh rate without flicker under camera shooting.

Auto timing function

On/off and 3 types of timing seting to meet different daily cycle.
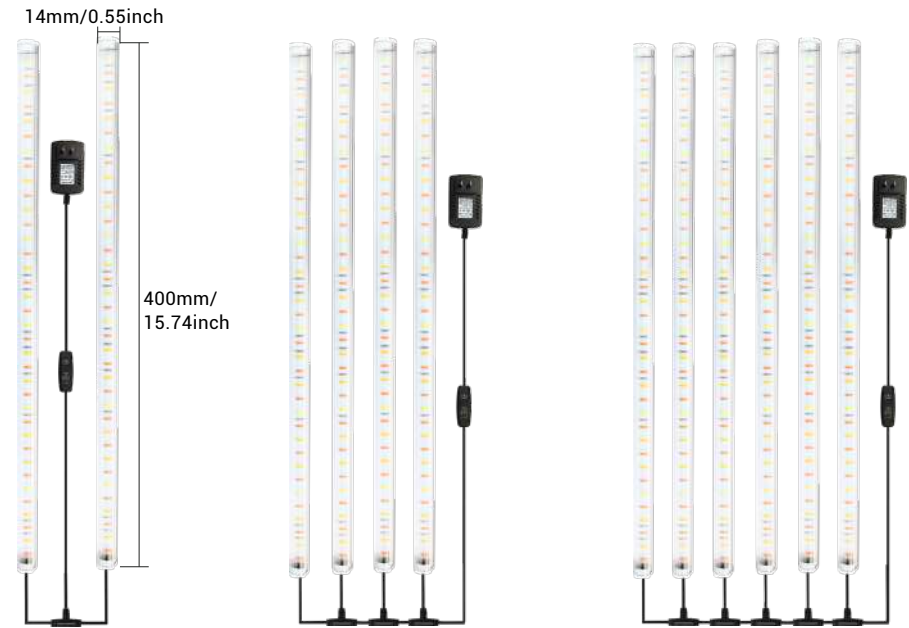
Lighting uniformity

High quality plastic body with wave lens, no rust, no corrosion, uniform lighting.

Easy to install

3 types of installation:clip, adhesive and tie.

Dimension

14mm/0.55inch

400mm/ 15.74inch

Parameters

Model	Color	Lux (lx)	PPFD (µmol/m²/ s)	Power (W/PCS)	LED Qty.
2-way	R(660-665nm) W(6500K) WW(3000K)	3600	85	10	72
4-way	R(660-665nm) W(6500K) WW(3000K)	8000	190	20	144
6-way	R(660-665nm) W(6500K) WW(3000K)	11500	280	30	216

CE   RoHS   **1** Year Warranty
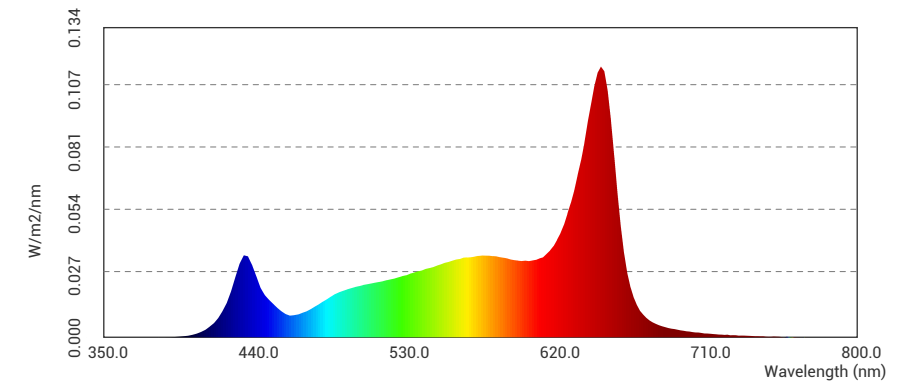
LED Plant Grow Light Kits

-3030 Series

LED plant grow light strip provides light compensation to plants in accordance with the natural law of plant growth and the principle of photosynthesis, which can promote rooting, germination, growth, prolong the blooming period, and improve quality, etc.

Support 2-way, 4-way and 6-way connection.

Full spectrum+660nm red light

Spectrum LED and high quality SMD3030 package ,660nm red light. With Signcomplex professional LED grow lights, you can control many aspects of crop growth to get better business results.

10 level brightness

10%-100% light photons touch stepless dimming, 4K refresh rate without flicker under camera shooting.

Auto timing function

On/off and 3 types of timing seting to meet different daily cycle.
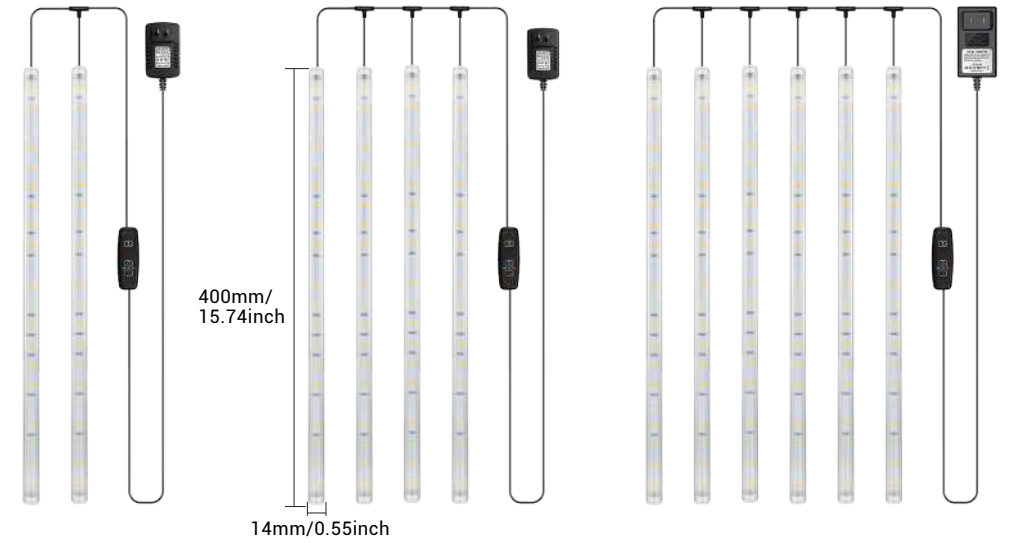
Lighting uniformity

High quality plastic body with wave lens, no rust, no corrosion, uniform lighting.

Easy to install

3 types of installation:clip, adhesive and tie.

Dimension

400mm/
15.74inch

14mm/0.55inch

Parameters

Model	Color	Lux (lx)	PPFD (μmol/m²/ s)	Power (W/PCS)	LED Qty.
2-way	R(660-665nm) W(6500K) WW(3000K)	3200	72	10	42
4-way	R(660-665nm) W(6500K) WW(3000K)	6500	130	20	84
6-way	R(660-665nm) W(6500K) WW(3000K)	8000	160	30	126

CE   RoHS   1 Year Warranty

LED Flexible Strips for Plant Lighting

Natural light often falls short on giving crops what they need to grow and flourish. With Signcomplex professional LED grow lights helping you produce vegetables, fruits or flowers – in a greenhouse, vertical farm or other indoor facility –we offer a choice of the best LED grow lights for your specific crop.

Full spectrum

Quality full spectrum LED and 660nm red light provide perfect spectrum to improve vegetable, fruit and floriculture crops.

Signcomplex professional LED grow lights technology helps you control many aspects of crop growth to get better business results.
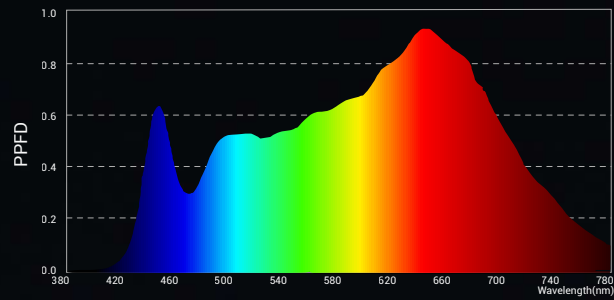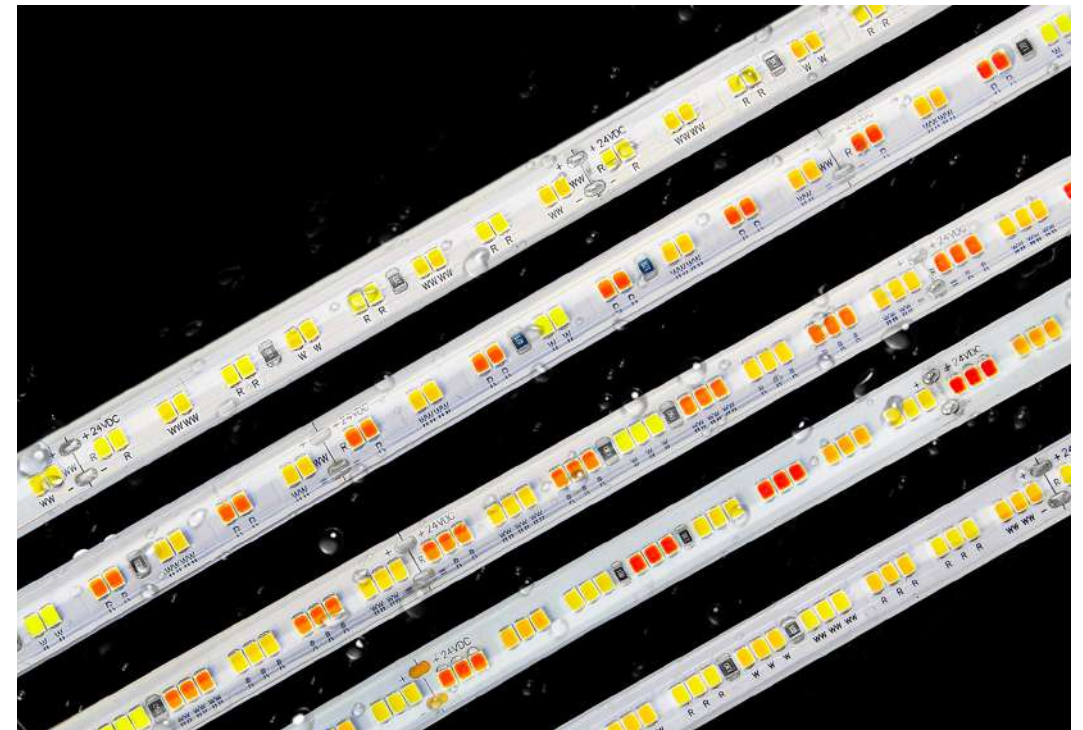

Improve stretching process

Ideal for propagating young plants, cultivating leafy greens, herbs and fruits, and rapidly developing new varieties of seeds.

IP65 waterproof

Fearless to splash and rain.

Parameters

Model	Color	PPF (μmol/s)	PPFD (μmol/m²/ s)	DLI (mol/m²)	LED Qty.
SC-2835PG-24D-R+TW-24	R(660-665nm)	31.3	172	14.9	240
SC-2835PG-16D-R+TW-24	W(6500K) WW(3000K)	30	156	13.5	160
SC-2835PG-24D-R+TM-24	R(660-665nm) W(6500K @full spectrum)	33	162	12.6	240
SC-2835PG-24D-R+TM-24	WW(3000K)	31	158	12.2	160
SC-2835PG-24D-R+TM-24	W(6500K @full spectrum)	33.6	172	14.8	240
SC-2835PG-24D-R+TM-24	WW(3000K)	32.8	157	13.6	160
SC-2835PG-24D-RBWW-24	R(660-665nm) B(455-460nm)	39.2	213	18.4	240
SC-2835PG-16D-RBWW-24	WW(3000K)	37.8	195	17.2	160

Other Parameters

Power(w/m):	19.2
Beam angle:	120°
Voltage:	24
IP:	IP65

CE RoHS **5** Years Warranty