



Horticulture lighting

PLUSRITE ELECTRIC (CHINA) CO., LTD



Plusrite®

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Plusrite®



Plusrite has been in the lighting industry for more than 30years since we started producing the first bulb in 1986, we have witnessed the iterations of the lighting industry products. From the earliest incandescent lamp to halogen lamp, fluorescent lamp, energy-saving lamp, metal halide lamp, high-pressure sodium lamp to LED lamps and fixtures - we are very glad to see that lighting products are paying more and more attention to energy saving and environmental protection, more and more close to nature. We always follow with the tendency of market.

In the field of horticulture lighting, since 1990' s, we entered this industry, after that, we never left, we are the first one who invented the PCT patented double-end sodium lamp 1000W in China and let it in mass production. Our engineers travel around the world for finding the most suitable raw materials, they design and upgrade the production and inspection standards, continue to improve the PPF value, so we can proudly say that our product is always at the forefront of the advanced technology in the world.

Based on deep HID plant lighting experience background, we have gradually entered the field of LED plant lighting since 2013, developed LED lighting products adapted to indoor farming, greenhouse and other different growth environment, and we can provide customers with different spectral solutions. No matter from the top lighting, inter- lighting, or indoor faming, Plusrite will have the professional spirit, to provide you with the right solution for your crops. You can choose HPS+LED combination lighting solution, you can choose pure HPS or pure LED lighting solutions, all of which we will provide you our sincere advices.

We have the complete HID production lines in China, advanced LED production lines, our annual design and production capacity of 18 million MH &HPS lamps, 1 million sets of ballasts, 3 million sets of LED fixtures, it can meet with any customized or large-quantity-demand customer needs at any time.

We firmly believe that independent innovation and intellectual property rights are the best feedback for the company, the lighting industry and the society.

Thank you for choosing us, we accompany you all the way!

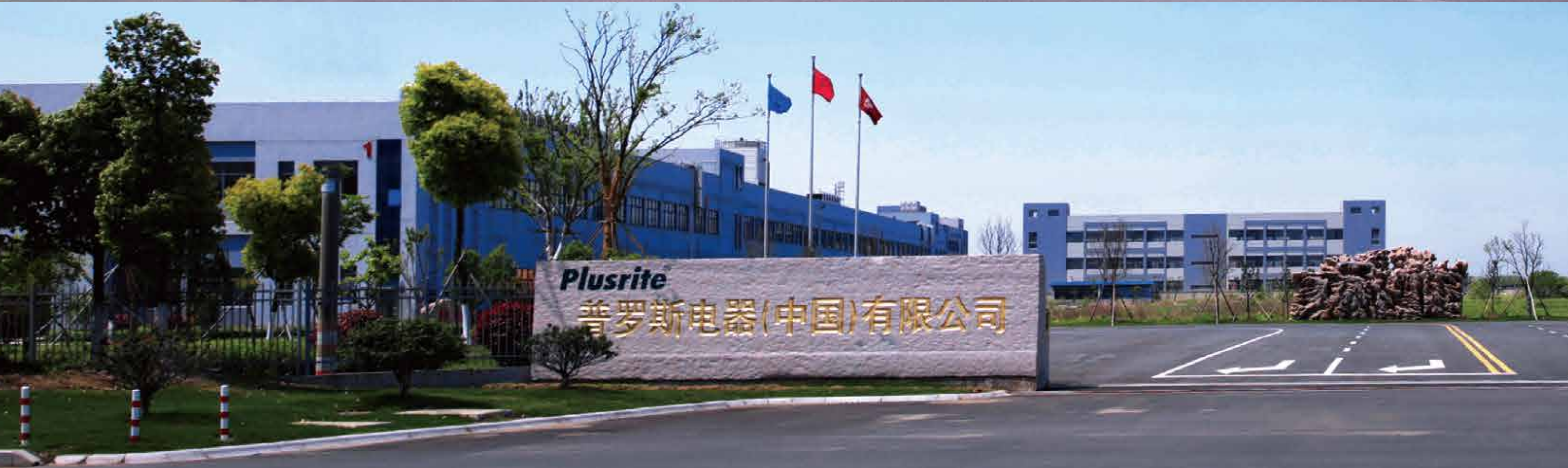
General Manager: Liukai

2021-11-19

Welcome to Plusrite



福隆控股集团
FLON HOLDINGS



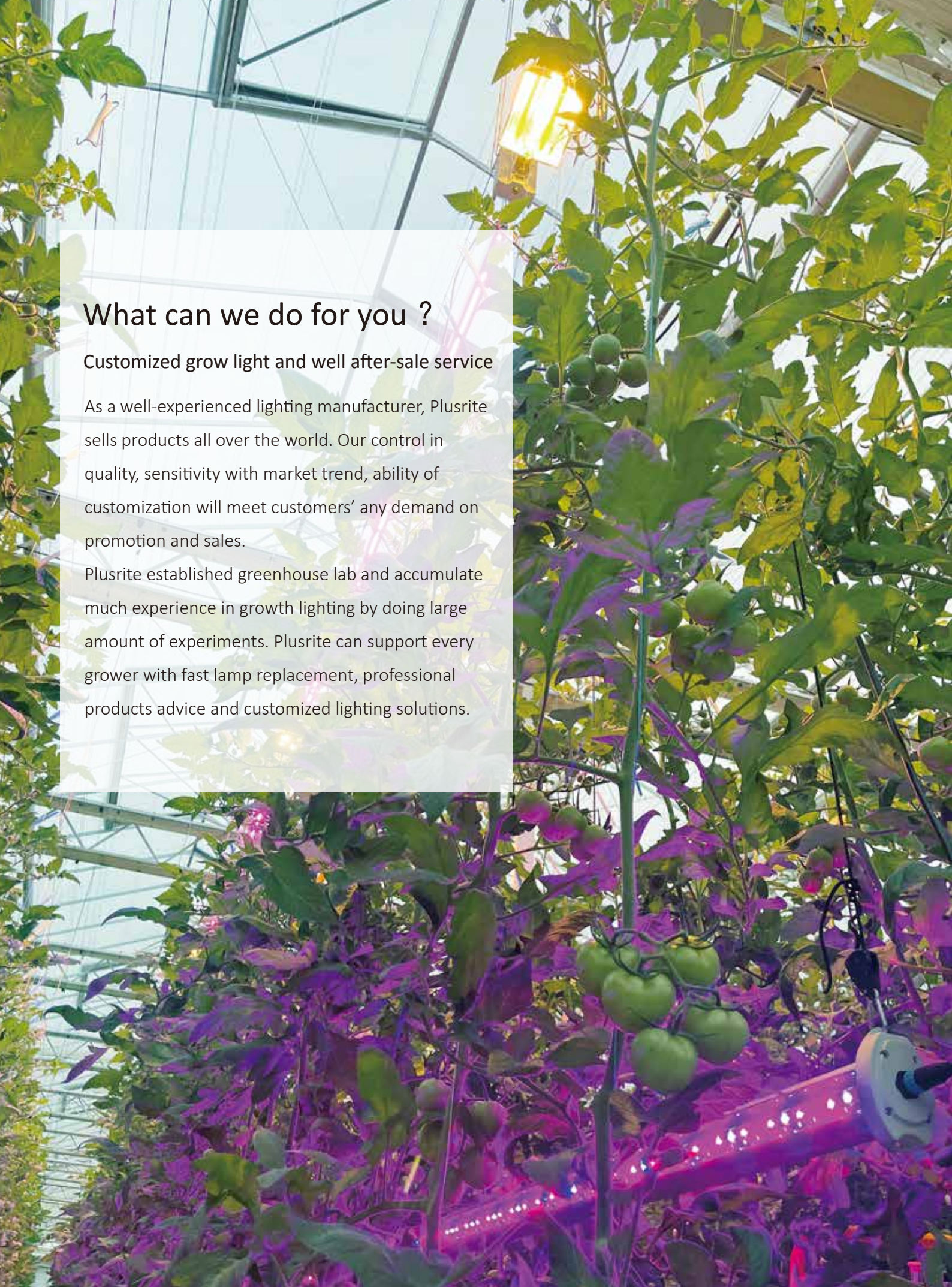


Plusrite®



Plusrite®





What can we do for you ?

Customized grow light and well after-sale service

As a well-experienced lighting manufacturer, Plusrite sells products all over the world. Our control in quality, sensitivity with market trend, ability of customization will meet customers' any demand on promotion and sales.

Plusrite established greenhouse lab and accumulate much experience in growth lighting by doing large amount of experiments. Plusrite can support every grower with fast lamp replacement, professional products advice and customized lighting solutions.

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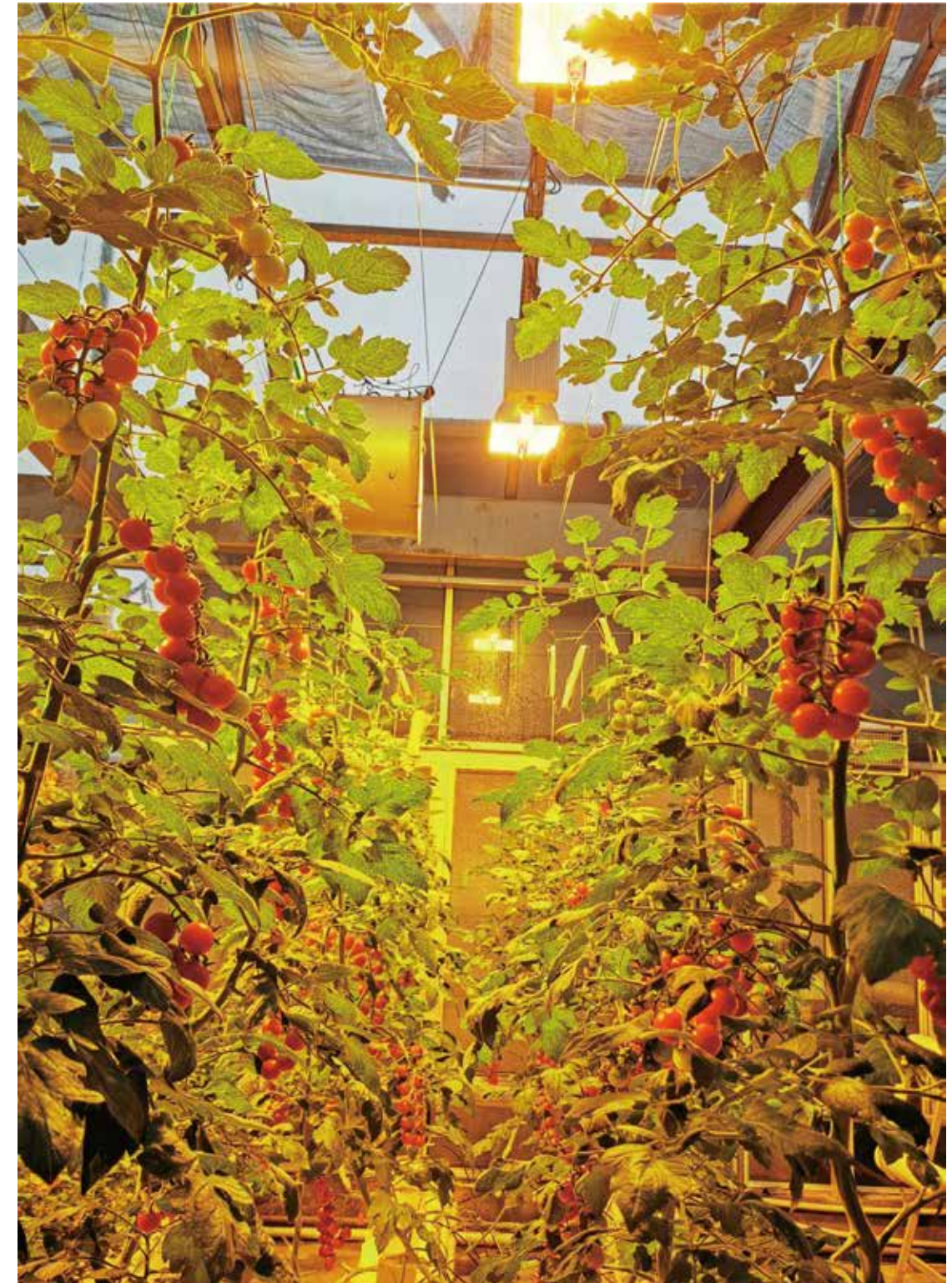
Professional HPS grow lights

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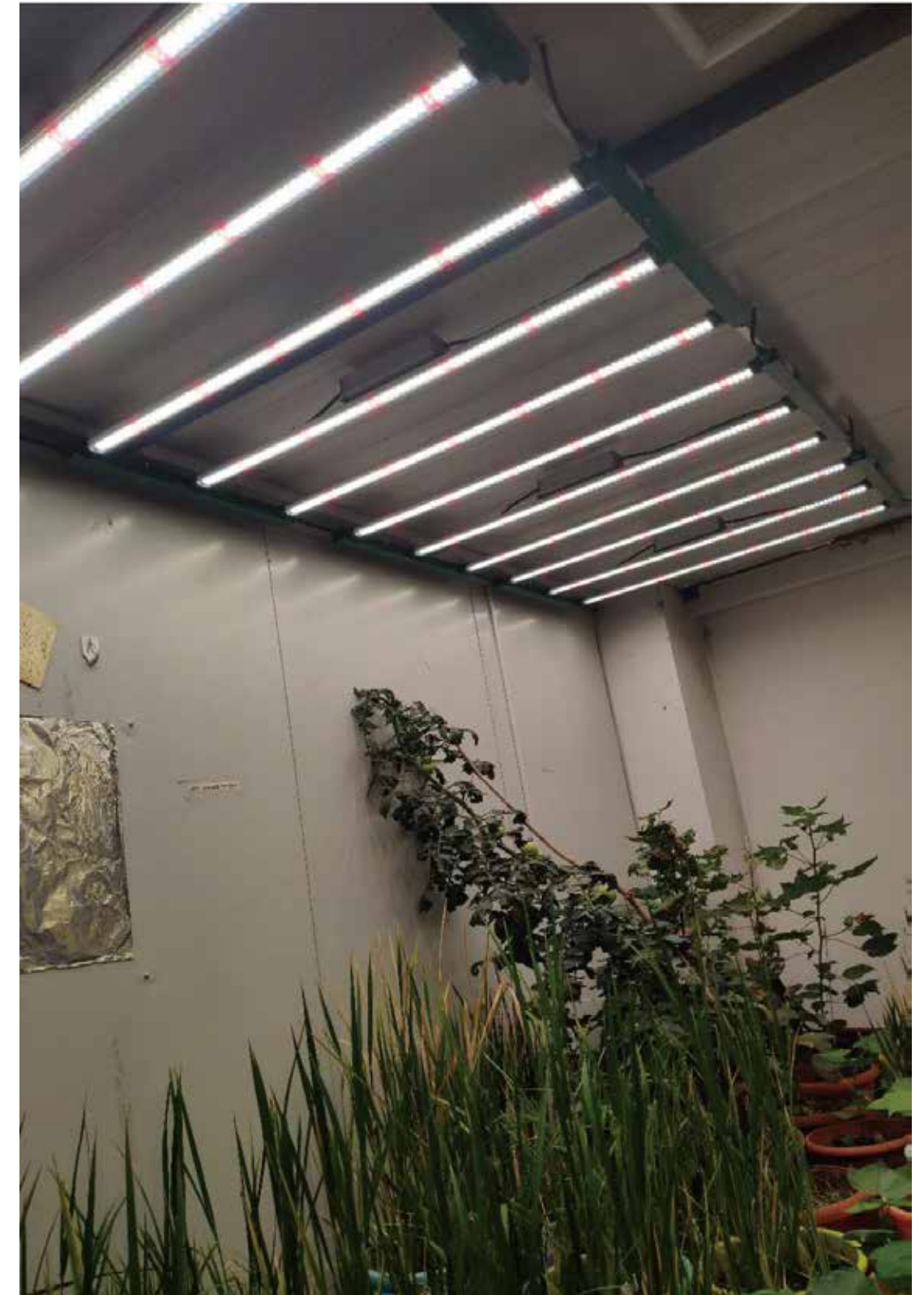
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Professional MH grow lights

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CASE 3 Canada

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01

PROFESSIONAL LED GROW LIGHTS

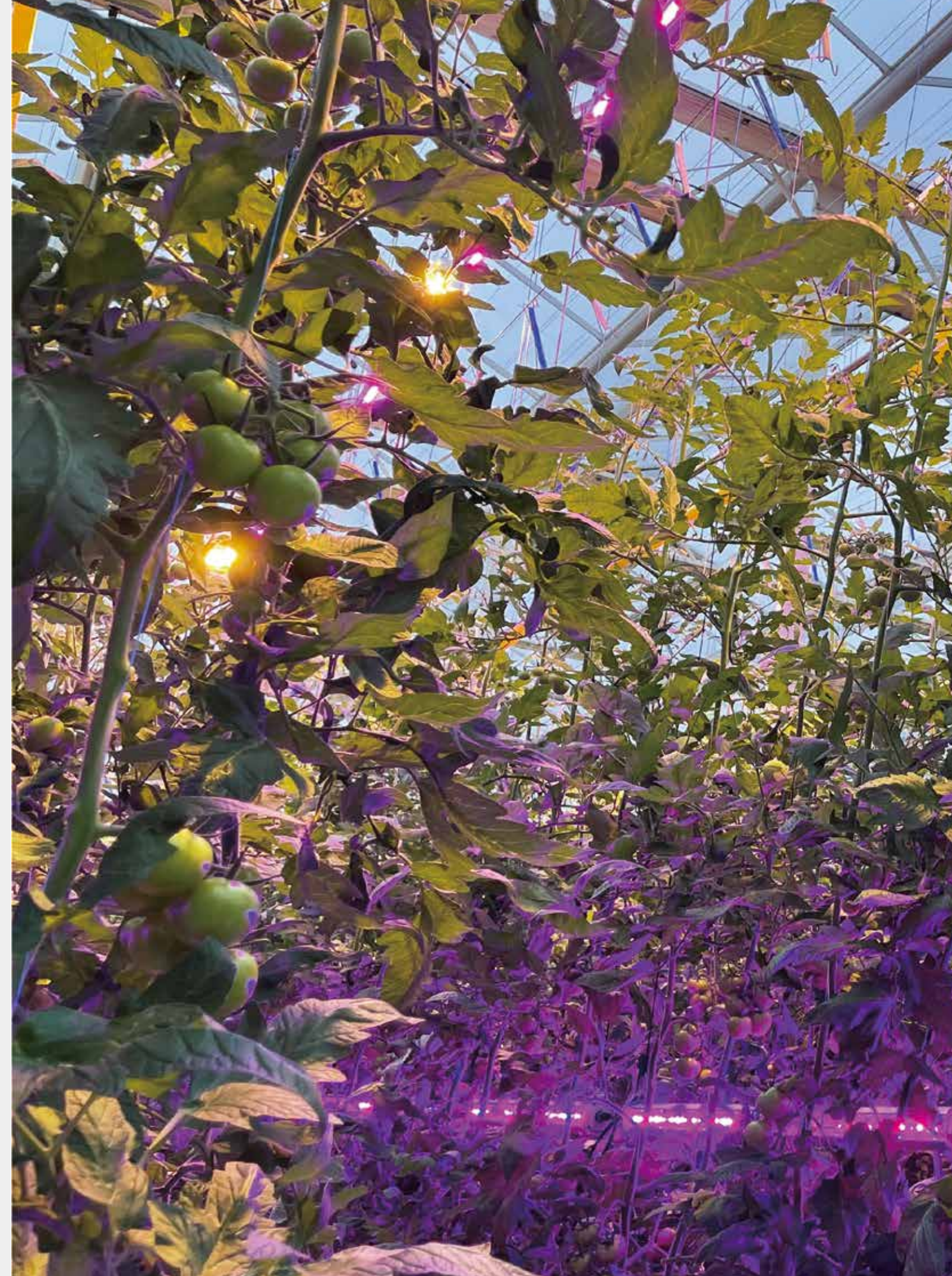
High efficient grow light for indoor or greenhouse usage

Plusrite LED grow light has two great advantages compared with
HID grow light: energy saving and customize

Plusrite LED grow light is equipped with high quality LED chips and excellent cooling design which improve the light supplement efficacy and lower the heat releasing. These advantages help to save much energy and maintenance cost.

At the same time, Plusrite will customize appropriate lighting solutions for each customer. We can recommend proper LED fixture and adjust spectrum for customers according to different area/application/plants/scales.

Plusrite®



Vertical Farming LED grow lights - LED SPA series



◆ FEATURES

- Full spectrum,high quality led chips,less light decay
- Slim design, suitable to layer plants
- Dimming button & outer intelligent controller interface available to meet customer multifunction demand
- Surface oxidation,nice stainless steel fastener,good corrosion resistance
- Brief appearance design,thin, foldable,driver box integrated design,installation easier and faster

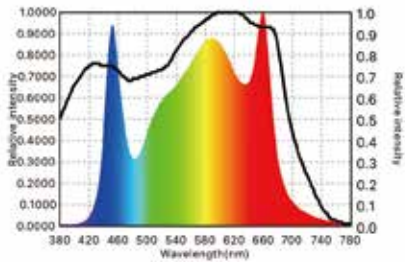


GLSP845W -Foldable three times



◆ TECHNICAL SPECIFICATIONS

Description	GLSPA435W	GLSP645W	GLSP845W
Power	435W	645W	845W
Input voltage	120-277V	120-277V	120-277V
Module Number	6	6	8
PPF	1150μmol/s	1700μmol/s	2200μmol/s
Efficacy	2.65μmol/J	2.65μmol/J	2.65μmol/J
Beam Angle	120°	120°	120°
Life time	50000h	50000h	50000h
Dimensions	830*1087*85mm	1013*1087*85mm	1168*1168*85mm
Weight	11.4 KG	13.5 KG	16 KG
Certifications	CE	CE	CE



◆ SPECTRUM



Instructions for use and precautions

- 1) Avoid applying heavy pressure to the fixture, otherwise it will affect the stability of the product.
- 2) Do not look directly at the light when the fixture is working. The glare of the fixture may harm your eyes.
- 3) Please use the product within the specified input voltage range according to the specification.
- 4) Non-professionals must not disassemble the product.
- 5) After opening the package, please check carefully whether the item is complete. If there is any damage, please contact the supplier immediately and do not use it yourself.
- 6) Please take care to ensure that it is effective to prevent rainwater from entering the wiring, so as to avoid damage to the fixture or cause a safety accident.
- 7) It is strictly forbidden to operate with electricity during installation. The installation must be carried out by professionals or under the guidance of professionals.
- 8) The lamp will heat up during use. It should not be wrapped with flammable or explosive materials or close to the lamp, causing unnecessary accidents or damage to the lamp.
Do not use any part of the body to directly touch the lamp to avoid burns.
- 9) Before the lamp is removed and replaced, it must be powered off and disassembled under the guidance of a professional.

LED grow lights - LED PLA series



◆ TECHNICAL SPECIFICATIONS

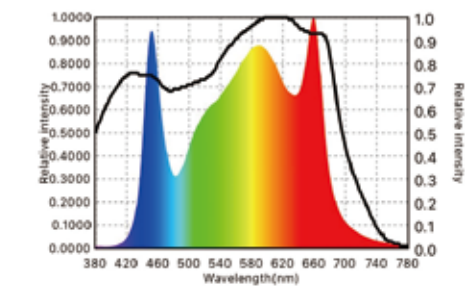
Description	Dimensions	Input voltage	Power	Power Factor	PPF	Efficacy	Beam Angle	Weight
LED GLPLA100W	300*300*85mm	120~277V	100W	≥0.9	230umol/s	2.3umol/J	120°	1.4kg
LED GLPLA200W	420*420*69mm	120~277V	200W	≥0.9	460umol/s	2.3umol/J	120°	2.8kg
LED GLPLA300W	500*500*69mm	120~277V	300W	≥0.9	690umol/s	2.3umol/J	120°	4.2kg

◆ FEATURES

- Full spectrum,high quality led chips,less light decay
- Slim design, suitable to layer plants
- Dimming button & outer intelligent controller interface available to meet customer multifunction demand
- Surface oxidation,nice stainless steel fastener,good corrosion resistance
- Brief appearance design,thin, foldable,driver box integrated design,installation easier and faster



◆ SPECTRUM



Intelligent Controller



Greenhouse LED grow lights- LED top lighting VP series

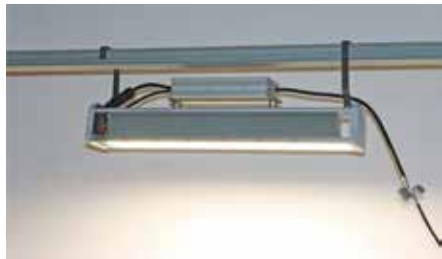


◆ TECHNICAL SPECIFICATIONS

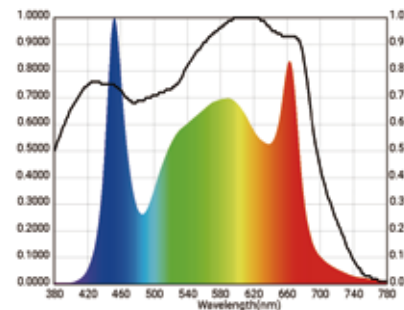
Description	Dimensions	Input voltage	PPF	Power Factor	Efficacy	Dimming	Beam Angle	Weight	IP
VP200W	630*104*148mm	120-277v	500μmol/s	0.9	2.5μmol/J	0-10v	120°	5kg	IP65
VP320W	630*104*148mm	120-277v	800μmol/s	0.9	2.5μmol/J	0-10v	120°	5kg	IP65

◆ FEATURES

- Rectangle design to avoid sunlight shelter
- Dense thermal fin to make sure heat radiation
- Surface oxidation, excellent appearance
- Driver box integrated design, installation easier and faster
- Increase input volatgae scope to offer replacement demand in greenhouse



◆ SPECTRUM



Greenhouse LED grow lights- LED top lighting TL series



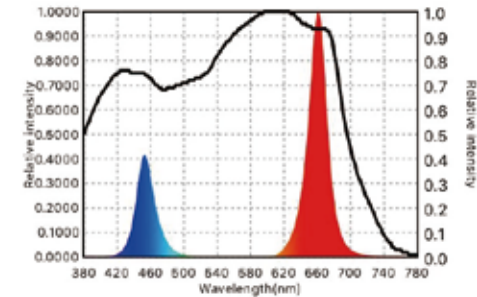
◆ TECHNICAL SPECIFICATIONS

Description	Dimensions	Input voltage	Power	Power Factor	PPF	Efficacy	Beam Angle	Weight
LED TL200W	1245*55*80mm	220~400V	200W	0.95	560umol/s	2.8umol/J	120°	3.5kg

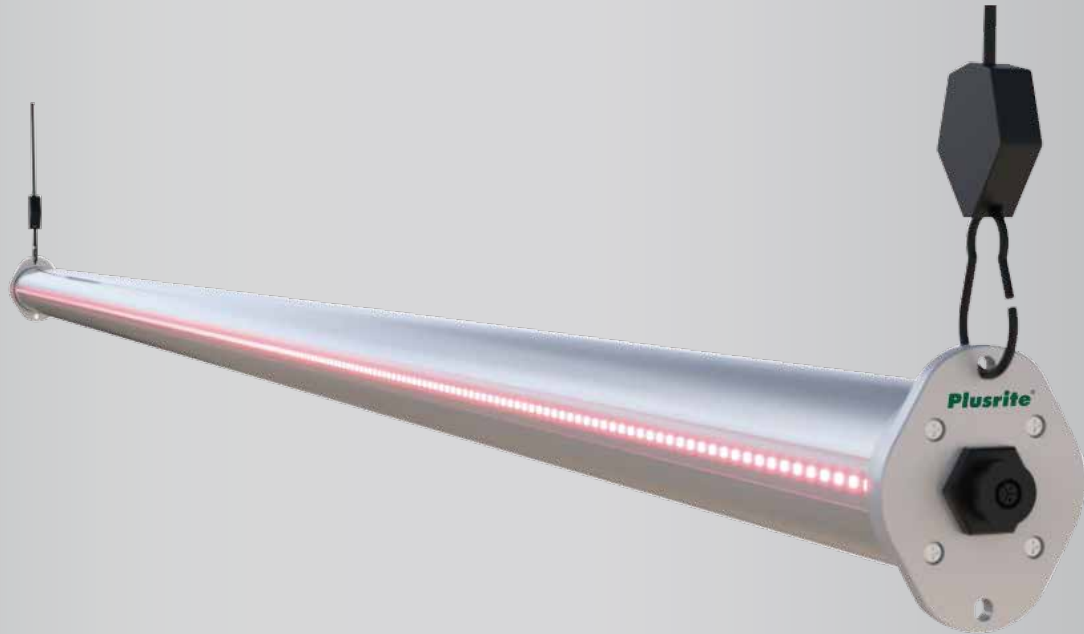
◆ FEATURES

- Led greenhouse top light tl series
- Thin design to avoid sunlight shelter
- End to end connecting increasing efficiency of installation
- Surface oxidation, excellent appearance
- Increase input volatgae scope to offer replacement demand in greenhouse

◆ SPECTRUM



Greenhouse LED grow lights- LED inter lighting ZZJ series



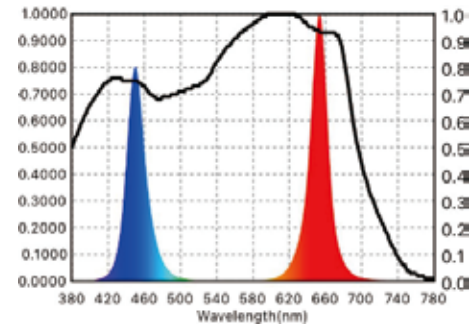
◆ TECHNICAL SPECIFICATIONS

Description	Dimensions	Input voltage	Power	Power Factor	PPF	Efficacy	Beam Angle	Weight
LED ZZJ90W	2500*70*90mm	220~400V	90W	≥0.9	250umol/s	2.78umol/J	360°	3.6kg

◆ FEATURES

- Led greenhouse inter lighting zzj series
- Integrated design without impact on plant growing
- End to end connecting increasing efficiency of installation
- Special end cap design to meet double layer fill light demand
- Increase input volatgae scope to offer replacement demand in greenhouse

◆ SPECTRUM



Verticla Farming LED grow light tubes- LED T series



◆ TECHNICAL SPECIFICATIONS

Description	Power	Input voltage	Frequency	Dimensions	Beam Angle
LED T5-16W	16W	220-240 VAC	50/60 Hz	1180*32*23mm	120°
LED T8-18W	18W	220-240 VAC	50/60 Hz	1201*31*34mm	120°
LED T10-24W	24W	220-240 VAC	50/60 Hz	1201*32*34mm	120°

◆ FEATURES

- Single end input.Support multiple connections.
No light flickering IC driver
- ALU+PC | Full PC body available
- Lifetime of 25,000 hrs with 2 year warranty



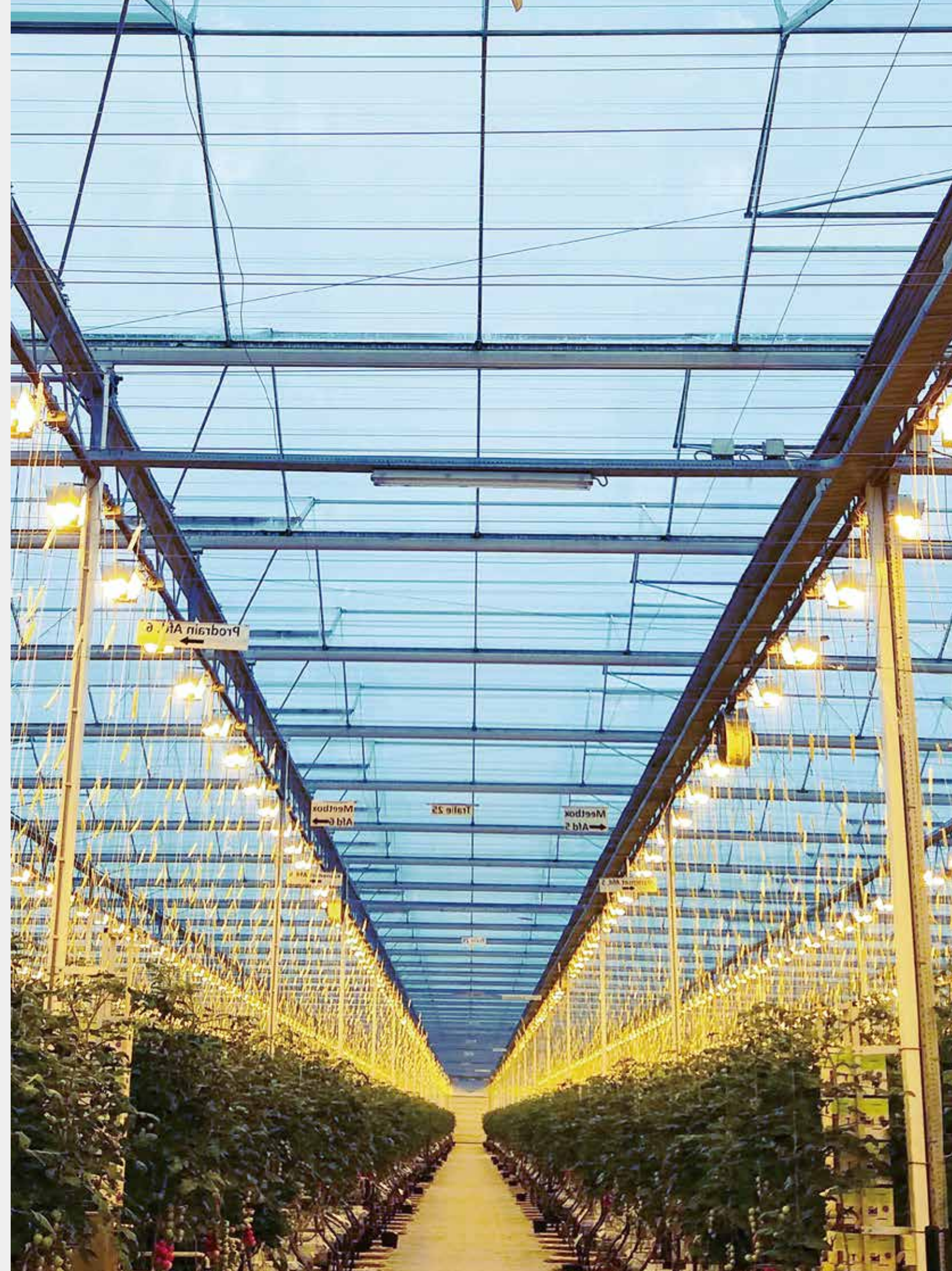
02

PROFESSIONAL HPS GROW LIGHTS

After tested for 30 years by global market, high pressure sodium lamp is considered as the best grow light source on promoting plant growth and increasing the yield of crops

1. HPS is mature and cost-effective and is used for increasing the yield of crops
2. HPS has better lighting supplement performance because of the high output and PPF value
3. Large amount of red light promotes flowering, fruiting and shortens the harvest period
4. Our HPS is suitable for electronic and magnetic ballast

Plusrite®



Double-ended high pressure sodium lamps



Single-ended high pressure sodium lamps



LU150W/ED23.5/E39 LU250W/ED18/E39 LU600W/T15/E39/HO LU1000W/ET25/E39/HO
LU400W/E18/E39

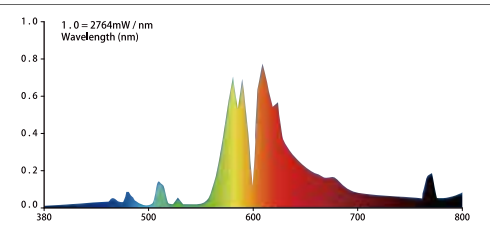
◆ TECHNICAL SPECIFICATIONS

Description	Power	Color Temp	PPF	Life	Mol
LUDE600W/HO	600W	2000K	1,100μmol/s	10,000h	393mm
LUDE750W/HO	750W	2000K	1,400μmol/s	10,000h	393mm
LUDE1000W/PRO	1000W	2000K	2,100μmol/s	10,000h	393mm
LUDE1000W/XTRA	1000W	2000K	2,150μmol/s	10,000h	393mm

◆ FEATURES

- PLUSRITE Patented Products
- Applicable to electronic ballast
- Suitable for all stages of plant growth
- Especially suitable for flowering and fruiting stages

◆ SPECTRUM



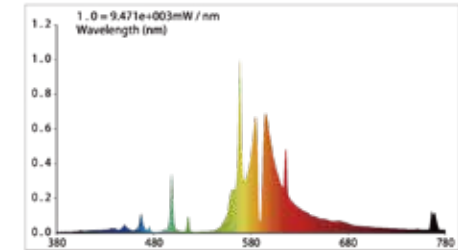
◆ TECHNICAL SPECIFICATIONS

Description	Power	PPF	ANSI	Blud	Life	Mol	LCL
LU150W/ED23.5/E39	150W	180μmol/s	S55/E	ED23.5	18,000h	198mm	127mm
LU250W/ET18/E39	250W	350μmol/s	S50/E	ET18	18,000h	247mm	145mm
LU400W/ET18/E39	400W	610μmol/s	S51/E	ET18	18,000h	247mm	145mm
LU600W/T15/E39/HO	600W	1120μmol/s	S106/E	T15	18,000h	292mm	178mm
LU1000W/ET25/E39/HO	1000W	1850μmol/s	S52/E	ET25	18,000h	384mm	223.5mm

◆ FEATURES

- Supreme light output
- Excellent performance with high PAR value
- Perfect for fruiting and flowering stages, also idea for full stage of growth
- 1000W is especially suitable for mini tomato and rose planting

◆ SPECTRUM



PROFESSIONAL

MH

GROW LIGHTS

03

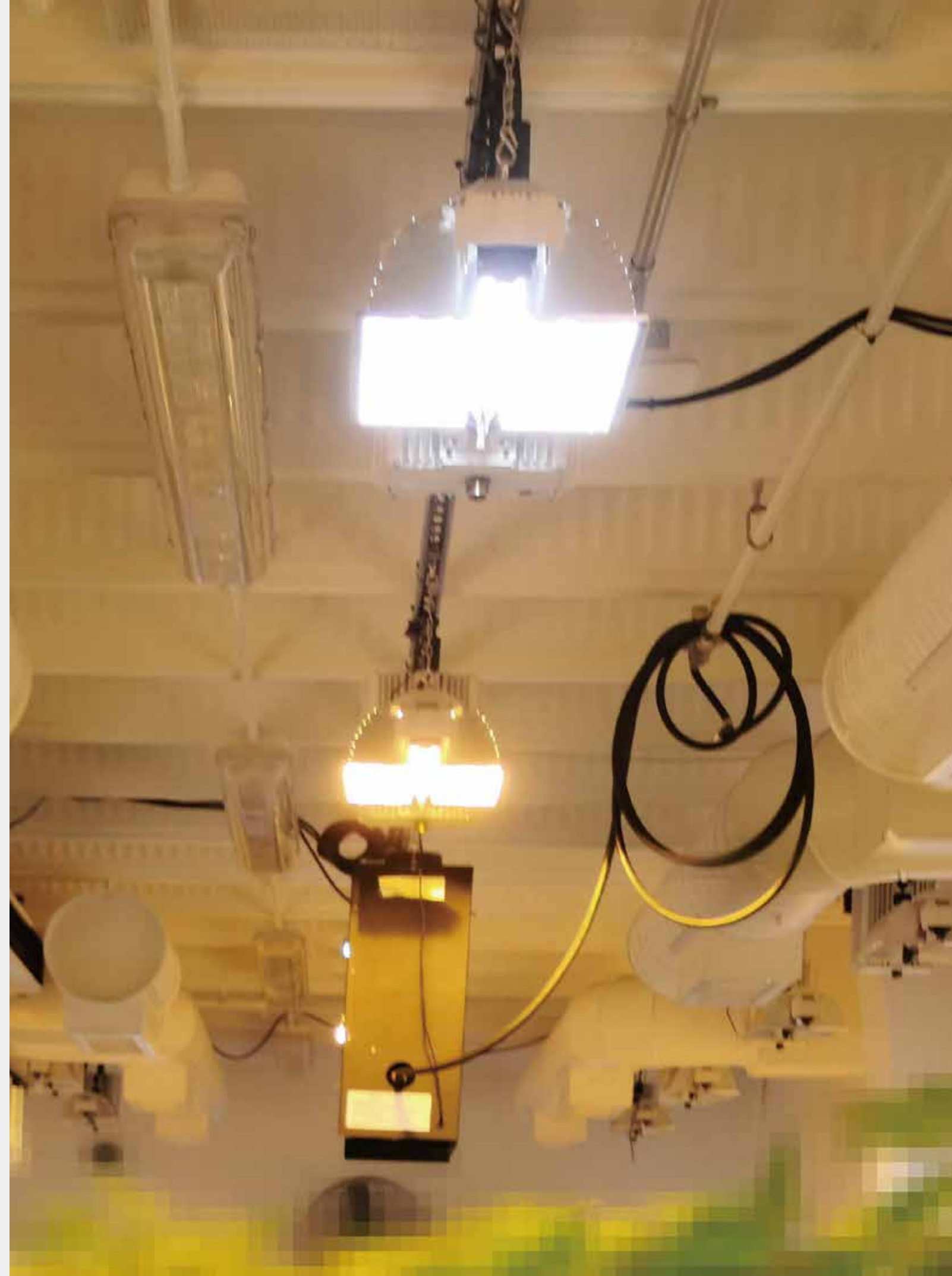
Light supplement for all stage of growth, especially for seedling

1.MH emits large amount of blue and violet light which suppresses stem elongation, increases

leaf pigment and promotes the creation of anthocyanin

2. MH promotes plant growth, such as lettuce and rose

Plusrite®



Protected double-ended metal halide lamps



◆ TECHNICAL SPECIFICATIONS

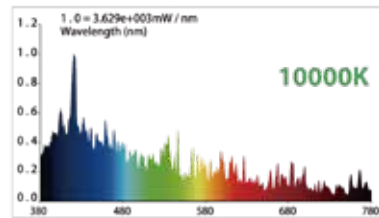
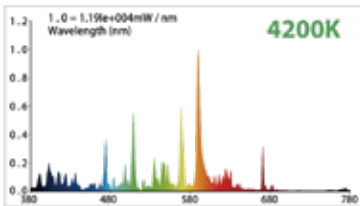
Description	Power	Color Temp	PPF	Ra	Life
MPDE600W/4200K/P	600W	4200K	800μmol/s	60	10,000h
MPDE600W/6500K/P	600W	6500K	750μmol/s	65	10,000h
MPDE600W/10000K/P	600W	10000K	500μmol/s	80	10,000h
MPDE750W/4200K/P	750W	4200K	1200μmol/s	60	10,000h
MPDE750W/6500K/P	750W	6500K	1100μmol/s	70	10,000h
MPDE750W/10000K/P	750W	10000K	1000μmol/s	90	10,000h
MPDE1000W/4200K/P	1000W	4200K	1600μmol/s	60	10,000h
MPDE1000W/6500K/P	1000W	6500K	1700μmol/s	70	10,000h
MPDE1000W/10000K/P	1000W	10000K	1500μmol/s	90	10,000h

◆ FEATURES

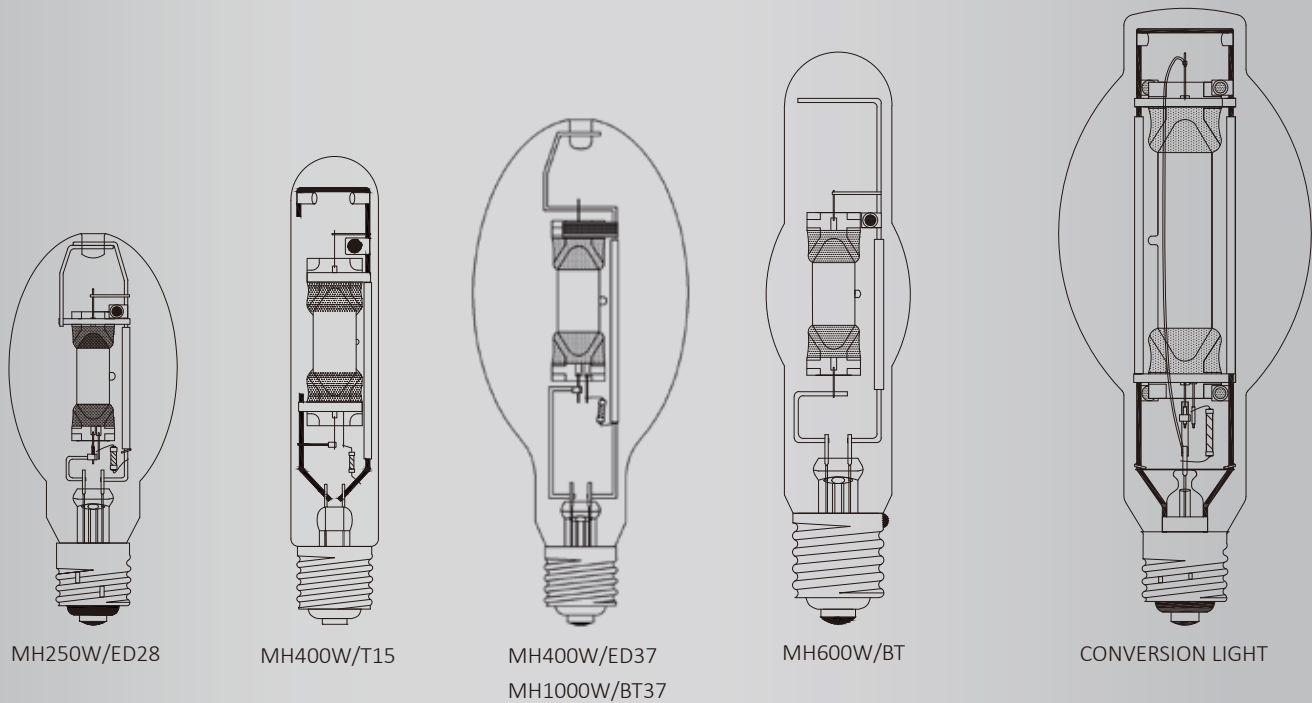
- High initial lumen output and well-balanced spectrum
- Cost-effective, ideal for all stages of growing



◆ SPECTRUM



Single-ended metal halide lamps

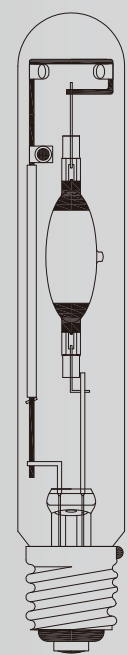


◆ TECHNICAL SPECIFICATIONS

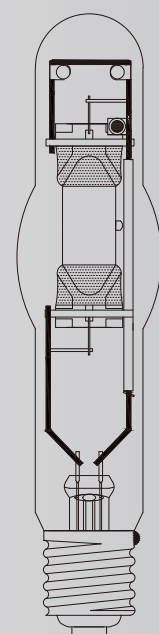
Description	Power	Color Temp	PPF	Blud	Life
MH250W/ED28/U/4200K	250W	4200K	300μmol/s	ED28	10,000h
MH400W/T15/U/4200K	400W	4200K	600μmol/s	T15	10,000h
MH400W/ED37/U/4200K	400W	4200K	600μmol/s	ED37	10,000h
MH1000W/BT37/U/4200K	1000W	4200K	1600μmol/s	BT37	10,000h
MH150W/TO46/5200K	150W	5200K	180μmol/s	TO46	8,000h
MH250W/TO46/HQI/D	250W	D	280μmol/s	TO46	10,000h
MH400W/TO46/HQI/D/LU	400W	D	500μmol/s	TO46	10,000h
MH600W/TO46/5200K/LU	600W	5200K	850μmol/s	TO46	10,000h
MH600W/TO46/4200K/LU	600W	4200K	850μmol/s	TO46	10,000h
MH1000W/TT64/D	1000W	D	1050μmol/s	TT64	10,000h

Description (Conversion light)	Power	Color Temp	PPF	Blud	Life
MH400W/ED37/U/7200K/E39/LU	400W	7200K	550μmol/s	ED37	10,000h
MH600W/TT76/U/4200K/E39/LU	600W	4200K	850μmol/s	T23.5	10,000h
MH600W/TT76/U/7200K/E39/LU	600W	7200K	700μmol/s	T23.5	10,000h
MH1000W/BT37/U/4200K/E39/LU	1000W	7200K	1500μmol/s	BT37	10,000h
MH1000W/BT37/U/7200K/E39/LU	1000W	4200K	1600μmol/s	BT37	10,000h

Extra-Blue-light Metal halide lamps

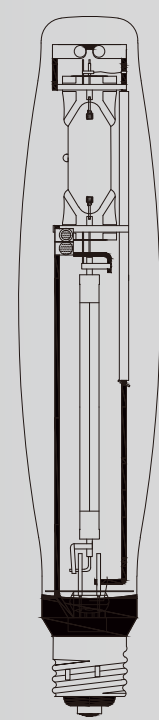


MH400W/ED37/7200K
MH250W/TO46/HQI/D
MH400W/TO46/HQI/D/LU
MH600W/TO46/5200K/LU
MH600W/TO46/4200K/LU
MH1000W/TT64/HPI/LU

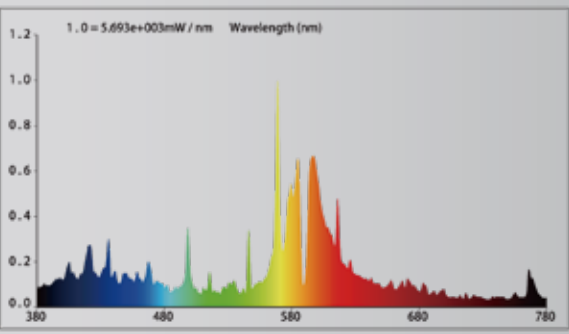


MH250W/TO46/14000K
MH400W/TO46/14000K/LU
MH600W/TO46/14000K
MH1000W/TT64/10000K
MH1000W/TT64/20000K

Dura-Arc MH-HPS lamps



◆ SPECTRUM



◆ TECHNICAL SPECIFICATIONS

Description	Power	Color Temp	PPF	Blud	Life	MOL	LCL
MH400W/ED37/7200K	400W	7200K	550μmol/s	ED37	10,000h	292mm	178mm
MH250W/TO46/HQI/D	400W	7500K	450μmol/s	T15	10,000h	249mm	148mm
MH400W/TO46/HQI/D/LU	400W	10000K	500μmol/s	T15	10,000h	249mm	148mm
MH600W/TO46/5200K/LU	600W	7200K	700μmol/s	TT76	10,000h	292mm	178mm
MH600W/TO46/4200K/LU	1000W	7500K	1450μmol/s	T120	10,000h	396mm	246mm
MH1000W/TT64/HPI/LU	1000W	10000K	1200μmol/s	T120	10,000h	396mm	246mm
MH250W/TO46/14000K	250W	14000K	240μmol/s	TO46	8,000h	274mm	175mm
MH400W/TO46/14000K/LU	400W	14000K	440μmol/s	TO46	8,000h	285mm	175mm
MH600W/TO46/14000K	600W	14000K	750μmol/s	TO46	8,000h	285mm	175mm
MH1000W/TT64/10000K	1000W	10000K	1400μmol/s	TT64	5,000h	292mm	239mm
MH1000W/TT64/20000K	1000W	20000K	800μmol/s	TT64	5,000h	381mm	239mm

◆ FEATURES

- Extra blue and violet spectrums
- 7200K and 10000K exceptional for young plants
- E39/E40



◆ TECHNICAL SPECIFICATIONS

Description	Power	PPF	ANSI	Life	MOL
MH-HPS400W/T46/E39	400W	480μmol/s	EB1000W/S51	10,000h	292mm
MH-HPS600W/ET25/E39	600W	650μmol/s	EB1000W/S106	10,000h	348mm
MH-HPS1000W/ET25/E39	1000W	1400μmol/s	EB1000W/S52	10,000h	384mm
MH-HPS400W/T46/E40	400W	480μmol/s	—	10,000h	292mm
MH-HPS600W/ET25/E40	600W	650μmol/s	—	10,000h	384mm
MH-HPS1000W/ET25/E40	1000W	1400μmol/s	—	10,000j	384mm

◆ FEATURES

- Full Spectrum
- Ideal for start-to-finish use
- Combine bet lighting spectrums in to one grow light



Protected double-ended ceramic metal halide lamps



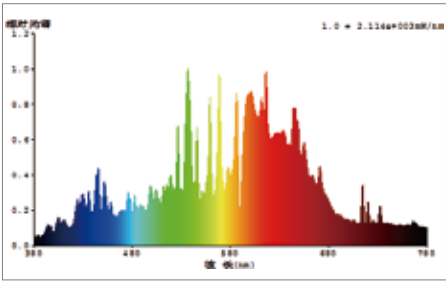
Protected single-ended ceramic metal halide lamp



◆ TECHNICAL SPECIFICATIONS

Description	Power	PPF	Ra	Color Temp
CMPDE 630W/P/3000K/Dual	630W	1200μmol/s	90	3000K
CMPDE 630W/P/4200K/Dual	945W	1200μmol/s	90	4200K
CMPDE 945W/P/3000K/Trilpe	945W	1600μmol/s	88	3000K
CMPDE 945W/P/4200K/Trilpe	945W	1600μmol/s	88	4200K
CMPDE 945W/P/3000K/Dual	945W	1800μmol/s	90	3000K
CMPDE 945W/P/4200K/Dual	945W	1800μmol/s	90	4200K

◆ SPECTRUM



◆ FEATURES

- Designed for plant growth
- US patented protective tube design
- Block harmful UVC
- High-power Ceramic HID Technology



◆ TECHNICAL SPECIFICATIONS

Description	Power	PPF	Ra	Color Temp
CMP315W/PGZX18	315W	650μmol/s	85	3000K
CMP315W/PGZX18	315W	600μmol/s	90	4200K
CMP315W/ED37/EX39	315W	650μmol/s	85	3000K
CMP315W/ED37/P/EX39	315W	600μmol/s	90	4200K



◆ FEATURES

- Designed for plant growth
- US patented protective tube design
- Block harmful UVC
- High-power Ceramic HID Technology

◆ SPECTRUM

