



GMV × LumiAgro

# 家庭园艺种植机 及设施农业补光灯

Home Garden Grower  
& Agricultural Grow Lighting

Horticulture Solutions Catalogue

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# 公司简介

## Company Profile



广明源始创于1998年，总部在中国广东江门，专注于光科技应用的研发与制造。我们通过专业光源部件以及技术领先的解决方案，为感控消杀、医疗健康、高端制造、环保养殖、设施农业等领域提供专业的产品和服务。产品及方案包括254nm及222nm紫外线消毒器具、废气废水紫外消毒模组、172nm准分子光固化灯、172nm准分子光清洗灯、医疗器械光源、美容嫩肤IPL脉冲氙灯、植物补光灯及室内垂直种植方案等。

广明源年产数亿只光源产品，行销全球一百多个国家和地区，获广东省名牌产品、广东省著名商标。公司拥有专业的研发团队，为广东省“企业技术中心”、国家“高新技术企业”、“博士后科研工作站”。我们期待与合作伙伴一起“以光科技赋能美好生活”，为客户创造价值，实现社会价值与商业价值共赢。

Since 1998, GMY Lighting has evolved to become a photonics solutions provider. GMY solves problems with light and provides a wide range of solutions including 254nm and 222nm ultraviolet disinfection equipment, waste gas and wastewater ultraviolet disinfection module, 172nm excimer curing lamp, 172nm excimer cleaning lamp, medical light source, beauty rejuvenation IPL (Intense Pulsed Light) pulsed xenon lamp, plant supplementary light, and indoor vertical planting programs, etc.

GMY produces hundreds of millions of light source products annually and sells them in more than 100 countries around the world. Our development and manufacturing campus spans an area of nearly 80,000 square meters, with over 600 employees. GMY production has been reviewed and certified under ISO 9001, ISO 14001, SA8000, and IATF 16949 guidelines, which demonstrates our commitment to producing products of the highest quality that meet international standards.

At GMY, we are dedicated to "Create better life with light." We provide customers with the best products, services, and solutions, and continuously strive to improve and innovate to deliver even greater value to our customers.

# 关于广明源

## About GMY

### 20多年光科技应用的研发与制造经验

Over 20 Years of Experience in Research and Development, and Manufacturing of Lighting Technology Applications.

2

2个博士后工作站  
Boasting  
2 postdoctoral  
research stations

274+

知识产权  
认证证书  
Patents  
and Certificates

100+

畅销全球  
100多个国家  
Sales in more than  
100 countries  
around the world

72000+

7.2万m<sup>2</sup>  
工厂面积  
72,000m<sup>2</sup>  
Factory area



支持视频及  
实地验厂  
Support video  
and On-site  
factory inspection



来样定制  
来图打样  
OEM  
Sample  
Customization



专业定制  
品牌代工厂  
ODM  
Professional  
Customization



优质售后  
High-quality  
After-sales Service

### 技术研发 合作高校

#### Cooperative Universities



# 关于绿爱

## About LumiAgro

广东绿爱生物科技股份有限公司(以下简称“广东绿爱”)作为国内室内设施农业新锐企业,被评为国家级高新技术企业、广东省科普教育基地、江门市新型研发机构、江门市首批通过知识产权贯标体系的企业。共获得专利19项,其中发明专利7项,实用新型12项,并在学术界发表6篇核心科技论文。

广东绿爱拥有垂直农业管理体系皇冠认证,自有占地面积1200m<sup>2</sup>,6-10层垂直系统,总种植面积可达6000m<sup>2</sup>的种植基地。经过多年的持续性研究和试验,我们积累了植物工厂整体方案输出的核心技术,为每个植物品种、不同生产期匹配最佳的方案,为现代农业提供高效、可靠的家庭种植、设施农业补光方案、以及植物工厂和种植集装箱模组整体输出方案。

Guangdong LumiAgro Biotechnology Co., LTD. as a cutting-edge enterprise of indoor facility agriculture in China, has been rated as national high-tech enterprise, Guangdong Science Popularization Education Base, new research and development institution of Jiangmen City, and one of the first enterprises to pass the standard system of intellectual property in Jiangmen City. It has obtained 19 patents, including 7 invention patents and 12 utility models, and published 6 core scientific and technological papers in the academic circle.

LumiAgro has vertical agricultural management system crown certification, its own covers an area of 1200 square meters, 6-10 vertical system, the total planting area can reach 6000 square meters of planting base. After years of continuous research and experiments, we have accumulated the core technology of overall program output of plant factories, matching the best program for each plant variety and different production period, and providing efficient and reliable home planting and facility agriculture fill light program as well as overall output program for plant factories and planting container modules for modern agriculture.



## 为什么选择阿多尼斯系列?

### Why Choose Adonis Series?

适合小厨房  
Suitable for  
small kitchens



0农残  
果蔬食用安全,无农药残留  
No pesticide residue  
The fruits and vegetables are  
safe to eat, with no pesticide  
residue.



操作方便  
种植更简单便捷  
Easy to operate  
Planting is simpler  
and more convenient.



# 30%

生长速度增加30%  
智能LED生长照明系统,模拟太阳光照,  
优质光源促进植物生长  
**30% increase in growth rate**  
High-quality light source promotes  
plant growth.

# 95%

节水95%  
高效节能:科学模块设计,节省水  
**95% water saving**  
Efficient and energy-saving: scientific  
module design saves water.

# 4x

单位占地面积产量提升4倍  
垂直多层种植,实现育苗和种植的分层  
**4 times increase in yield per unit area**  
Vertical multi-layer planting, separating  
seedlings and planting.



随时感受植物生长  
享受家庭种植快乐,随时可观察植物生长过程  
Enjoy the pleasure of home planting  
Observe the plant growth process at any time and enjoy  
the happiness of home planting.

送礼物佳选  
精巧设计,美观实用,绿色生活的健康好礼  
A great gift option  
Exquisitely designed, beautiful and practical, a healthy gift  
for a green lifestyle.

# 阿多尼斯系列 Adonis Series



**高度方便调节:**

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。

**Height adjustable:**

Adjustable height allows for customization at different growth stages, helping vegetables absorb light energy and promote growth.

**两种生长模式:**

12小时和14小时两种定时模式, 采用生长光谱配方, 可种植叶菜或果菜。

**Two growth modes:**

Two timing modes of 12 and 14 hours with growth spectrum formulas for growing leafy greens or fruiting vegetables

**水泵持续工作:**

水泵持续工作, 对植物更友好。

**Continuous operation of the water pump:**

The continuous operation of the water pump is more beneficial to the plants.



# 阿多尼斯系列 Adonis Series



**高度方便调节:**

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。

**Height adjustable:**

Adjustable height allows for customization at different growth stages, helping vegetables absorb light energy and promote growth.

**两种生长模式:**

16小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

**Two growth modes:**

16-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

**品质环保材料:**

不锈钢原料槽体, 精美简约, 精心配色。

**High-quality and eco-friendly materials:**

Stainless steel material tank with exquisite and simple design, carefully coordinated color scheme.

**水泵定时开关:**

水泵会循环工作, 每次开启15分钟, 关闭15分钟。

**Timed water pump switch:**

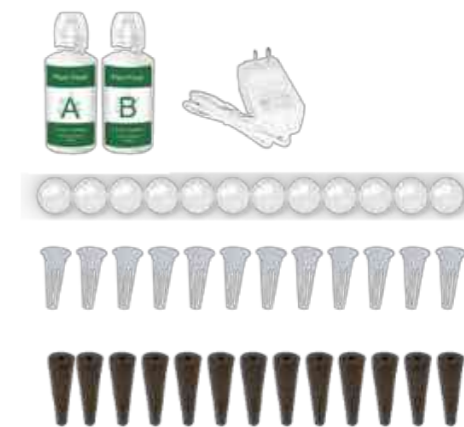
The pump runs on a 30-minute cycle, with 15 minutes of running and 15 minutes of rest alternately.

**更大种植面积:**

单茬种植可达12株植物。

**Larger planting area:**

A single hydroponic unit can grow up to 12 plants.



型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting Holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD001	AC110-130V/A C220-240V	24W	ABS	46cm	10	3.6L	160*200*365mm	592cm <sup>2</sup>

型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD002	AC 110~240V	24W	304不锈钢+ABS 304 Stainless steel +ABS	47cm	12	4.5L	426*188* 165mm	800cm <sup>2</sup>

# 阿多尼斯系列

## Adonis Series



### 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达51.7cm。

### Adjustable height:

The height is adjustable to cater to different growth stages and promote vegetable growth by helping them absorb light energy. The arm can reach up to 51.7cm.

### 两种生长模式:

16小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

### Two growth modes:

16-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

### 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

### Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.



型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD003	AC 110~240V	22W	ABS环保塑料 ABS environment-friendly plastic	51.7cm	8	3L	260*165* 120mm	429cm <sup>2</sup>

# 阿多尼斯系列

## Adonis Series



### 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达50.7cm。

### Adjustable Height:

The height is adjustable to cater to different growth stages and help vegetables better absorb light energy for growth. The arm length can reach up to 50.7cm.

### 两种生长模式:

16小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

### Two growth modes:

16-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

### 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

### Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.

### 更多果蔬产出:

水培机最多可同时种植12株植物, 实现更多产出。

### More yields:

The hydroponic machine can grow up to 12 plants simultaneously, achieving greater yields.

### 内置循环风扇:

风扇降低环境温度, 促进植物蒸腾作用, 及时补充二氧化碳, 促进光合作用, 提高根系营养吸收效率。

### Built-in circulating fan:

Lowers the temperature, promotes plant transpiration, provides timely CO<sub>2</sub> supplementation, and enhances root nutrient absorption efficiency.



型号 Model	颜色 Color	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD004W	白色 White	AC 110~240V	24W	ABS环保塑料 ABS environment-friendly plastic	50cm	12	4L	350*487* 260mm	910cm <sup>2</sup>
LAD004B	黑色 Black	AC 110~240V	24W	ABS环保塑料 ABS environment-friendly plastic	50cm	12	4L	350*487* 260mm	910cm <sup>2</sup>

# 阿多尼斯系列

## Adonis Series



### 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达52cm。

### Adjustable Height:

The height can be adjusted to cater to different growth stages, helping vegetables to better absorb light energy and promote growth. The arm can reach up to 52cm.

### 两种生长模式:

16小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

### Two growth modes:

16-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

### 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

### Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.

### 内置循环风扇:

风扇降低环境温度, 促进植物蒸腾作用, 及时补充二氧化碳, 促进光合作用, 提高根系营养吸收效率。

### Built-in circulating fan:

Lowers the temperature, promotes plant transpiration, provides timely CO<sub>2</sub> supplementation, and enhances root nutrient absorption efficiency.

### 更多果蔬产出:

水培机最多可同时种植12株植物, 实现更多产出。

### More yields:

The hydroponic machine can grow up to 12 plants simultaneously, achieving greater yields.



### APP智能控制(可选)

手机APP智能控制, 可远程操控灯光、风扇和水泵。在缺水时, 水泵指示灯闪烁以及APP后台推送提醒加水信息。

### Smart control via mobile app (optional)

Smartphone app allows remote control of lights, fan, and water pump. Water pump indicator light flashes and push notifications are sent to the app when there is a water shortage, reminding users to add water.

型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD005N	AC 110~240V	24W	ABS环保塑料 ABS environment-friendly plastic	52cm	12	6.5L	260x350x541mm	910cm <sup>2</sup>
LAD005W	AC 110~240V	24W	ABS环保塑料 ABS environment-friendly plastic	52cm	12	6.5L	260x350x541mm	910cm <sup>2</sup>

# 阿多尼斯系列

## Adonis Series



### 三种生长模式:

三档调时可选, 采用两种光谱配方, Normal为通用种植模式, Enjoy为叶菜正常生长模式, Grow为叶菜加速生长模式。

### Three Growth Modes:

Three adjustable timing options with two spectral formulas. Normal is a universal growth mode, Enjoy is a normal growth mode for leafy vegetables, and Grow is an accelerated growth mode for leafy vegetables.

### 竹质环保材料:

带有激光雕刻标志的竹材, 让您的产品贴近自然。

### Bamboo Eco-friendly Material:

Made of bamboo with laser-engraved logos, bringing your product closer to nature.

### 水泵定时开关:

水泵会循环工作, 每次开启5分钟, 关闭15分钟。

### Timed water pump switch:

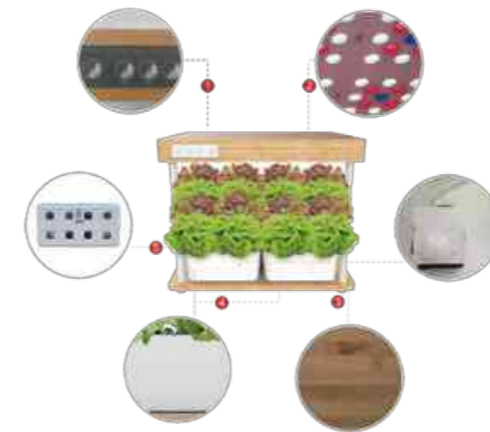
The pump runs on a 20-minute cycle, with 5 minutes of running and 15 minutes of rest alternately.

### 更多果蔬产出:

水培机最多可同时种植16株植物, 实现更多产出。

### More yields:

The hydroponic machine can grow up to 16 plants simultaneously, achieving greater yields.



型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD006	AC 110~240V	48W	ABS+竹 (ABS+ Bamboo)	38.4cm	16	7L	470x370x384mm	1739cm <sup>2</sup>

# 阿多尼斯系列 Adonis Series



## 双重种植系统:

可选水培/土培双种植系统, 择优选择更加适合植物的种植方式, 一机解决室内种植难题。

## Dual Planting System:

Choose between hydroponic or soil-based planting systems based on the plant's specific needs. This machine solves indoor planting challenges with ease.

## 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达56.5cm。

## Adjustable height:

The height can be adjusted to facilitate better light energy absorption by vegetables at different growth stages, promoting growth. The maximum arm length is 56.5cm.

## 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

## Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.



型号 Model	输入电压 Voltage	功率 Power	材质 Texture	臂长 Arm length	种植孔位 Planting holes	水箱容量 Tank capacity	产品尺寸 Size	种植面积 Planting area
LAD007	AC 100~240V	15W	ABS	56.5cm	6	0.8L/1.5L	250x560x180mm	255cm <sup>2</sup>

# 阿多尼斯系列 Adonis Series



## 双重种植系统:

可选水培/土培双种植系统, 择优选择更加适合植物的种植方式, 一机解决室内种植难题。

## Dual Planting System:

Choose between hydroponic or soil-based planting systems based on the plant's specific needs. This machine solves indoor planting challenges with ease.

## 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。可加延长杆实现最大臂长56.5cm。

## Adjustable Height:

The height can be adjusted to better facilitate the absorption of light energy by vegetables at different growth stages, promoting growth. The maximum arm length can be extended to 56.5cm with an extension pole.

## 按需更换花盆:

可以自己添加自己喜欢的花盆植物。

## Pot Replacement:

Add your favorite potted plants as desired.

## 四档亮度可调:

可调节不同亮度, 适于种植不同植物。

## Four-Level Brightness Adjustment:

Adjustable brightness levels suitable for different types of plants.

## 四档定时可调:

可调节不同时间, 适于种植不同植物。

## Four-speed timing adjustable:

Adjustable different time, suitable for planting different plants.



型号 Model	输入电压 Voltage	功率 Power	臂长 Arm length	材质 Texture	产品尺寸 Size	种植面积 Planting area
LAD008	AC100-240V	14W	56.5cm	ABS	250*560*180mm	458.8cm <sup>2</sup>

# 阿多尼斯系列 Adonis Series



## 双重种植系统:

可选水培/土培双种植系统, 择优选择更加适合植物的种植方式, 一机解决室内种植难题。

## Dual Planting System:

Choose between hydroponic or soil-based planting systems based on the plant's specific needs. This machine solves indoor planting challenges with ease.

## 竹质环保材料:

环保竹材, 让您的产品贴近自然。

## Bamboo Eco-friendly Material:

Eco-friendly bamboo material, bringing your product closer to nature.

## 按需更换花盆:

可以自己添加自己喜欢的花盆植物。

## Pot Replacement:

Add your favorite potted plants as desired.

## 四档亮度可调:

可调节不同亮度, 适于种植不同植物。

## Four-Level Brightness Adjustment:

Adjustable brightness levels suitable for different types of plants.

## 四档定时可调:

可调节不同时间, 适于种植不同植物。

## Four adjustable timing modes:

Adjustable timing for different plants.



型号 Model	输入电压 Voltage	功率 Power	臂长 Arm length	材质 Texture	产品尺寸 Size	种植面积 Planting area
LAD009	AC100-240V	14W	40cm	竹材 (Bamboo)	250x560x180mm	518cm <sup>2</sup>

# 阿多尼斯系列 Adonis Series



## 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达50cm。

## Adjustable Height:

The height is adjustable to cater to different growth stages and help vegetables better absorb light energy for growth. The arm length can reach up to 50cm.

## 两种生长模式:

16和22小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

## Two growth modes:

16-hour and 22-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

## 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

## Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.

## 更多果蔬产出:

水培机最多可同时种植12株植物, 实现更多产出。

## More yields:

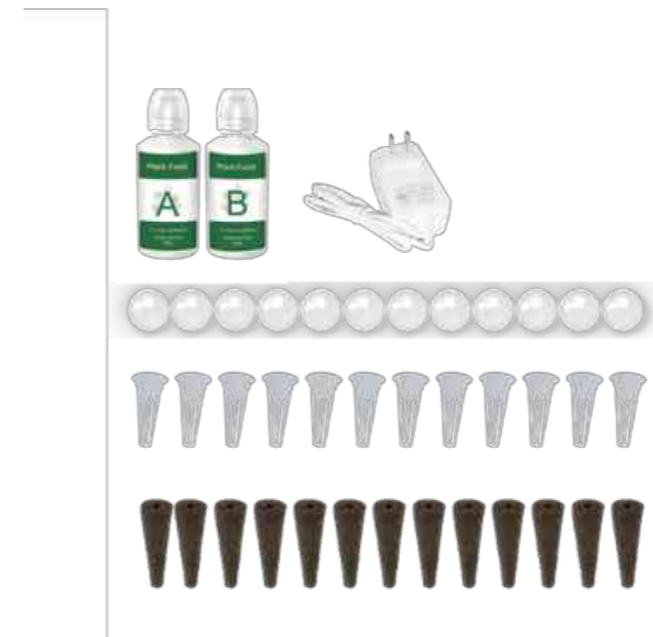
The hydroponic machine can grow up to 12 plants simultaneously, achieving greater yields.

## 抑制青苔生长:

半透明水箱使用遮光设计, 清晰看到水量的同时, 减少青苔的生长。

## Inhibiting Moss Growth:

Our semi-transparent water tank employs a light-blocking design, which allows for clear visibility of water levels while simultaneously reducing moss growth.



型号 Model	输入电压 Voltage	种植孔位 Planting holes	功率 Power	臂长 Arm length	水箱容量 Tank capacity	材质 Texture	产品尺寸 Size	种植面积 Planting area
LAD010	AC 110-240V	12	23.4W	50cm	5.5L	ABS+金属 (ABS+metal)	380*191*157mm	725.8cm <sup>2</sup>

# 阿多尼斯系列 Adonis Series



### 高度方便调节:

高度可调, 可根据不同生长阶段进行调节, 帮助蔬菜更好吸收光照能量, 促进生长。臂长可达50cm。

### Adjustable Height:

The height is adjustable to cater to different growth stages and help vegetables better absorb light energy for growth. The arm length can reach up to 50cm.

### 两种生长模式:

16和22小时定时工作, 采用两种光谱配方, 可种植叶菜或果菜。

### Two growth modes:

16-hour and 22-hour timer with two spectral formulas for growing leafy greens or fruiting vegetables.

### 水泵定时开关:

水泵每次开启30分钟, 关闭30分钟, 延长使用寿命。

### Timed water pump switch:

The pump runs for 30 minutes and then shuts off for 30 minutes to extend its lifespan.

### 内置循环风扇:

风扇降低环境温度, 促进植物蒸腾作用, 及时补充二氧化碳, 促进光合作用, 提高根系营养吸收效率。

### Built-in circulating fan:

Lowers the temperature, promotes plant transpiration, provides timely CO<sub>2</sub> supplementation, and enhances root nutrient absorption efficiency.

### 四档定时可调:

可调节不同时间, 适于种植不同植物。

### Four adjustable timing modes:

Adjustable timing for different plants.



型号 Model	输入电压 Voltage	功率 Power	臂长 Arm length	材质 Texture	产品尺寸 Size	种植面积 Planting area
LAD011	AC100-240V	23.4W	50cm	ABS	380x191x157mm	518cm <sup>2</sup>



图片 Picture											
型号 Model	LAD001	LAD002	LAD003	LAD004	LAD005	LAD006	LAD007	LAD008	LAD009	LAD010	LAD011
光谱配方 Spectral Formulation	通用光谱 Universal spectrum	叶菜光谱/果菜光谱 Leafy vegetable spectrum/ fruit vegetable spectrum	叶菜光谱/果菜光谱 Leafy vegetable spectrum/ fruit vegetable spectrum	叶菜光谱/果菜光谱 Leafy vegetable spectrum/ fruit vegetable spectrum	叶菜光谱/果菜光谱 Leafy vegetable spectrum/ fruit vegetable spectrum	通用光谱/叶菜光谱 Universal spectrum/ leafy spectrum	通用光谱 Universal spectrum	通用光谱 Universal spectrum	通用光谱 Universal spectrum	通用光谱 Universal spectrum	通用光谱 Universal spectrum
产品功率 Power	24W	24W	22W	24W	24W	48W	15W	14W	14W	23*4W	23*4W
每茬耗电 Electricity Consumption per Crop	17kw·h	17kw·h	16kw·h	17kw·h	17kw·h	35kw·h	11kw·h	10kw·h	10kw·h	17kw·h	17kw·h
每茬产出 Yield per Crop	10株 10 plants	12株 12 plants	8株 8 plants	12株 12 plants	12株 12 plants	16株 16 plants	6株 6 plants			12株 6 plants	12株 6 plants
种植面积 Planting Area	592cm <sup>2</sup>	800cm <sup>2</sup>	429cm <sup>2</sup>	910cm <sup>2</sup>	910cm <sup>2</sup>	1739cm <sup>2</sup>	255cm <sup>2</sup>	458.8cm <sup>2</sup>	518cm <sup>2</sup>	725.8cm <sup>2</sup>	725.8cm <sup>2</sup>
主体材质 Main Material	ABS	304不锈钢+ABS 304 Stainless steel +ABS	ABS环保塑料 ABS Eco-friendly Plastic	ABS环保塑料 ABS Eco-friendly Plastic	ABS环保塑料 ABS Eco-friendly Plastic	竹质+铝材+ABS Bamboo + Aluminum +ABS	ABS	ABS	竹材 Bamboo	ABS	ABS
定时模式 Timing Mode	两档 12H/14H 2 gear 12H/14H	一档 16H 1 gear 16H	一档 16H 1 gear 16H	一档 16H 1 gear 16H	一档 16H 1 gear 16H	三档 12H/14H/16H式 3 gear 12H/14H/16H	两档 12H/16H 2 gear 12H/16H	四档 3H/9H/12H/24H 4 gear 3H/9H/12H24H	四档 3H/9H/12H/24H 4 gear 3H/9H/12H24H	一档 16H 1 gear 16H	一档 16H 1 gear 16H
种植模式 Planting Pattern	水培 Hydroponics	水培 Hydroponics	水培 Hydroponics	水培 Hydroponics	水培 Hydroponics	水培 Hydroponics	水培/基质培 Hydroponics/ Substrate cultivation	水培/基质培 Hydroponics/ Substrate cultivation	水培/基质培 Hydroponics/ Substrate cultivation	水培 Hydroponics	水培 Hydroponics
储水容量 Water Storage Capacity	3.6L	4.5L	3L	4L	6.5L	7L	0.8L/1.5L			5.5L	5.5L
臂长 Arm Length	46cm	47cm	51.7cm	50cm	52cm	38.4cm	56.5cm	56.5cm	40cm	50cm	50cm
循环风扇 Circulating Fan	×	×	×	✓	✓	×	×	×	×	×	✓
APP智能控制(可选) APP Intelligent Control (Optional)					✓						
装箱信息 Packing Information	6/36.5*20*16 cm/ 0.079CBM	6/44*20*19cm/ 0.111CBM	9/31.5*19.5*19.5cm/ 0.121CBM	4/39*30*16 cm/ 0.089CBM	4/39.4*30*21 cm/ 0.114CBM	1/52.5*43.5*21 cm /0.048CBM	4/23*26*34.5cm/ 0.096CBM	24/39*12.5*3.5 cm/ 0.066CBM	24/43*14*4.5 cm/ 0.072CBM	6/44*20*19cm/ 0.111CBM	6/38*19.1*15.7cm/ 0.10CBM

## 为什么选择德墨忒尔系列? Why Choose Demeter Series?

**适合大厨房**  
**Suitable for large kitchens**



**操作方便**  
种植更简单便捷  
**Easy to operate**  
Planting is simpler and more convenient.

**0农残**  
果蔬食用安全, 无农药残留  
**No pesticide residue**  
The fruits and vegetables are safe to eat, with no pesticide residue.



**30%**

**生长速度增加30%**  
智能LED生长照明系统, 模拟太阳光照, 优质光源促进植物生长  
**30% increase in growth rate**  
High-quality light source promotes plant growth.

**95%**

**节水95%**  
高效节能: 科学模块设计, 节省水  
**95% water saving**  
Efficient and energy-saving: scientific module design saves water.

**4x**

**单位占地面积产量提升4倍**  
垂直多层种植, 实现育苗和种植的分  
**4 times increase in yield per unit area**  
Vertical multi-layer planting, separating seedlings and planting.



**随时感受植物生长**  
享受家庭种植快乐, 随时可观察植物生长过程  
**Enjoy the pleasure of home planting**  
Observe the plant growth process at any time and enjoy the happiness of home planting.

**送礼物佳选**  
精巧设计, 美观实用, 绿色生活的健康好礼  
**A great gift option**  
Exquisitely designed, beautiful and practical, a healthy gift for a green lifestyle.

## 德墨忒尔系列 Demeter Series



60孔版  
60 Holes



120孔版  
102Holes

**种植面积更大:**  
4层大水箱一次可种1平方的菜、轻厨乐趣, 鲜食亲子科普两不误。  
**Larger Planting Area:**  
With a 4-layer water tank, it can plant up to 1 square meter of vegetables, providing both fun and education for families.

**用电能耗低:**  
建议每天补光十小时, 一天只用1度电。  
**Lower Energy Consumption:**  
Recommended to use 10 hours of light per day with only 1 kWh of electricity consumption.

**食品级环保材料:**  
箱体采用符合美国FDA食品药品监督管理局安全认证材料, 安全可靠。  
**Food-grade eco-friendly material:**  
The body is made of materials that meet the safety certification of the U.S. Food and Drug Administration (FDA), ensuring safety and reliability.

**耐腐蚀铝合金:**  
铝合金材质, 强度高、有抗蚀性、经久耐用。  
**Corrosion-resistant aluminum alloy:**  
Made of high-strength and corrosion-resistant aluminum alloy, durable and long-lasting.

**360°水循环流动:**  
采用潮汐式灌溉系统, 搭载360°全方位立体灌溉技术科学可控水位, 确保植物吸收均匀。  
**360° Water Circulation:**  
Uses a tidal irrigation system and 360° three-dimensional irrigation technology for controlled water levels to ensure uniform plant absorption.

**灯管高度可调:**  
灯管高度可自由伸缩调节, 满足植物生长需求。  
**Adjustable Lamp Height:**  
The lamp height can be freely adjusted to meet the growth needs of plants.

**自动缺水提醒:**  
低耗能自动缺水提醒, 操作简单快捷。  
**Automatic Water Shortage Reminder:**  
Low-energy automatic water shortage reminder, with simple and fast operation.

**万向轮:**  
刹停滑动可调节, 顺滑推动、搬运省力、安全便捷。  
**360-degree Casters:**  
The brakes and sliding of the casters can be adjusted, making it smooth to push and effortless to move, safe and convenient.

型号 Model	层数 Layer	产品尺寸 Size	输入电压 Voltage	功率 Power	材质 Texture	种植孔位 Planting holes	水箱容量 Water tank capacity	种植面积 Planting area
LAF001	4	260*930*1695mm	AC 100~240V	75W-100W	ABS+铝合金 ABS+ aluminum alloy	60/120	21*3+37.2L	单层 2418cm <sup>2</sup> Single layer 2418cm <sup>2</sup>

# 德墨忒尔系列

## Demeter Series



### 智能控制显示:

智能控制设计, 当水位过低或水泵故障时, 屏幕自动显示提醒用户处理。

### Intelligent Control Display:

Smart control design alerts users when water levels are low or the pump malfunctions.

### 智能水循环系统:

采用先进的潮汐式灌溉技术。此外, 可根据不同种植场景分别选择DFT或NFT种植技术。

### Intelligent Water Circulation System:

Utilizes advanced tidal irrigation technology, with the option to choose between DFT or NFT planting methods for different planting scenarios.

### 智能光控制系统:

可根据不同植物的光需求, 任意设置不同种植层的光照时间, 智能定时控制, 满足各层植物的生长需要。

### Intelligent Lighting Control System:

Customizable lighting schedules for different plant layers based on their light requirements, ensuring optimal growth.

### 科学层高设计:

层高设计满足常见叶菜、叶用香料的生长空间需求, 提高产量, 也可通过摘叶延长收获时间

### Scientific Layer Height Design:

Accommodates common leafy vegetables and herbs, increasing yield and allowing for extended harvest periods through leaf picking.

### 叶菜专用光谱:

采用LED植物补光灯, 能够模拟太阳光谱。

### Leafy Greens Specific Spectrum:

Features LED plant grow lights that simulate sunlight.

### 环保材质:

采用太空环保铝型材, 坚固耐用且美观。

### Eco-friendly Materials:

Constructed with space-grade aluminum, sturdy, durable, and visually appealing.

### 水泵定时功能:

水泵默认每小时工作15分钟, 也可根据需要自行设置。

### Pump Timer Function:

Pump operates for 15 minutes every hour by default, with customizable settings available.

### 内置静音风扇:

风扇降低环境温度, 促进植物蒸腾作用, 及时补充二氧化碳, 促进光合作用, 提高根系营养吸收效率。

### Built-in Silent Fan:

Fan reduces environmental temperature, promotes plant transpiration, replenishes CO<sub>2</sub>, enhances photosynthesis, and improves root nutrient absorption efficiency.

### 大容量水箱:

大容量水箱减少加水频率, 提高便利性; 停电时确保水不会溢出。

### Large Capacity Water Tank:

Reduces frequency of refilling and prevents overflow during power outages.

型号 Model	层数 Layer	产品尺寸 Size	输入电压 Voltage	功率 Power	材质 Texture	种植孔位 Planting holes	水箱容量 Water tank capacity	种植面积 Planting area
LAF0003	4	520x800x1750mm	AC 100~240V	400W	铝材 Aluminum	192	57.5L	单层 4160cm <sup>2</sup> (Single layer 4160cm <sup>2</sup> )



# 阿波罗系列

## Apollo Series



### 订制专用光谱:

LED全光谱植物补光灯, 模拟太阳光。

### Customized special spectrum:

LED full spectrum plant fill light to simulate sunlight.

### 低频闪:

光线稳定、不频闪、观赏更舒心。

### Low frequency flashing:

Light stability, no stroboscopic, more comfortable viewing.

### 高光效、长寿命:

LED芯片, 高透光柔光面罩, 光效高, 寿命长。

### High luminous efficiency and long life:

LED chip, high light transmittance soft light mask, high light efficiency, long life.

### 简约设计:

外观简约, 可以搭配各种装修风格。

### Simple design:

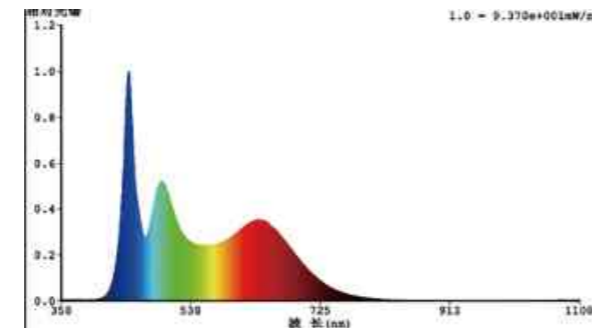
Simple appearance, can be matched with a variety of decoration styles.

### 安装方便:

多种安装方式接口 可以直接安装, 也可以加装伸缩钢杆。

### Easy installation:

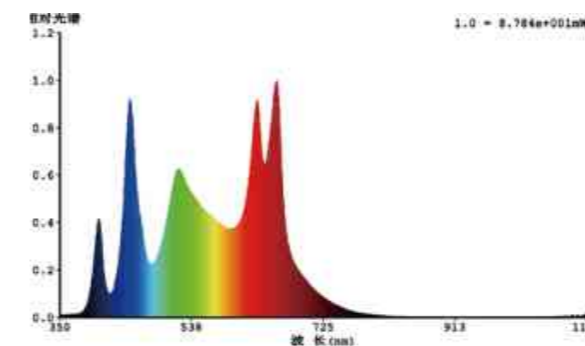
A variety of installation methods interface can be directly installed, also can be installed telescopic steel rod.



型号 Model	产品名称 Name	电压 Voltage	功率 Power	光子数 PPFD	光谱范围 Spectral range	产品尺寸 Size
LAL001	发财灯 (FACHOI) FACHOI Lamp (FACHOI)	AC100-240V	40W	40 $\mu\text{mol/s}$	380-780nm	160x160x165mm
LAL002	发财灯 (FACHOI) FACHOI Lamp (FACHOI)	AC100-240V	40W	40 $\mu\text{mol/s}$	380-780nm	$\phi$ 170.5x190mm

# 阿波罗系列

## Apollo Series



### 静音不扰民:

低分贝运行, 静享舒适。

### Silent operation without disturbing others:

Low decibel operation, providing a quiet and comfortable experience.

### 订制专用光谱:

350-780nm的连续光谱, 既有水草光合作用需要的大量光合光, 也有水草增色的微量有益光。充分考虑, 短波长的光在水中的透过性更强, 适当增加蓝紫光的光谱含量。

### Customized special spectrum:

A continuous spectrum of 350-780nm, containing both abundant photosynthetic light for aquatic plants and a trace of beneficial light for color enhancement. Taking into consideration the stronger transmittance of short-wavelength light in water, the spectral content of blue-violet light is increased appropriately.

### 光分布均匀柔和:

实现光谱5个波峰, 在利于水草生长的波长上增加能量, 相比于单色灯珠阵列, 我们灯珠散发的光更加均匀柔和, 不会光分层。

### Uniform and soft light distribution:

Achieving five spectral peaks, increasing energy at wavelengths conducive to aquatic plant growth. Compared to monochromatic bead arrays, our lamp beads emit more uniform and soft light without light stratification.

### 高显色性:

显指大于80, 更能呈现出水草艳丽多变的颜色, 更贴近自然色彩。

### High color rendering:

$R_a \geq 80$ , better showcasing the vibrant and varied colors of aquatic plants, closer to natural colors.

### 低频闪:

光线稳定不频闪, 护眼护鱼, 观赏更惬意。手机拍照无频闪波纹, 更适合拍照分享。

### Low-frequency flicker:

Stable light without flicker, providing eye and fish protection and a more comfortable viewing experience. No flicker ripples when taking photos with a mobile phone, making it more suitable for photo sharing.

### 慢启动:

45秒的慢启动, 光强缓慢增加, 降低光线对观赏鱼的应激反应。

### Slow start:

45 seconds of slow start, gradually increasing light intensity, reducing stress response of ornamental fish to light.

### 暖色温:

4800K的暖色光贴近视觉上的舒适色温区, 不会引起视觉上的不适。

### Warm color temperature:

The 4800K warm light is close to the visually comfortable color temperature zone and will not cause visual discomfort.

### 散热性能优:

大风量风扇确保温度控制在50°C以内(超温保护临界点65°C), 大大延长灯具的使用寿命。

### Excellent heat dissipation performance:

Large air volume fan ensures temperature control within 50°C (over-temperature protection threshold at 65°C), greatly extending the lamp's lifespan.

型号 Model	产品名称 Name	电压 Voltage	功率 Power	显指 CRI	光子数 PPFD	光谱范围 Spectral range	产品尺寸 Size
LAL003	水生植物补光灯 (OCEANUS) OCEANUS-AquaticPlant Fill Light Lamp	AC100-240V	70W	$\geq 80$	65 $\mu\text{mol/s}$	380-780nm	$\phi$ 139 x157mm

# 阿波罗系列 Apollo Series



搭配不同支架, 满足不同场景需要  
Different supports are equipped to meet the needs of different scenes



- 订制专用光谱:**  
LED全光谱植物补光灯, 模拟太阳光。  
**Customized special spectrum:**  
LED full spectrum plant grow light to simulate sunlight.
- 光谱适用性广:**  
接近太阳光的光谱, 基本适用于自然界的所有植物。  
**Wide spectrum applicability:**  
Close to the spectrum of sunlight, basically suitable for all plants in nature.
- 光性能参数高:**  
高显色指数、高光效灯珠、高光强。  
**High optical performance parameters:**  
High color rendering, high luminous efficiency lamp beads, high light intensity.
- 可匹配多种使用环境:**  
外观简约, 可以搭配在各种装修风格, 适用各种不同场景, 大方得体。  
**Compatible with various environments:**  
Simple appearance, can be matched with various decoration styles, suitable for different scenes, elegant and decent.
- 安装方便:**  
采用常用E27灯头, 安装更换一步到位。  
**Easy installation:**  
Using the common E27 lamp holder, installation and replacement are done in one step.

SKU代码 SKU code	产品名称 Product name	电压 Voltage	功率 Power	显指 CRI	光量子数 PPFD	光谱范围 Spectral range	产品尺寸 Size
LAL004	Par灯 Par Lamp	AC100-240V	17W	≥95	26 μmol/s	380-780nm	Φ122x126mm

## 组培灯 Tissue Culture Grow Light

专用订制光谱: 适用于组培育苗补光。  
Customized Spectrum: Suitable for tissue culture seedling supplementary lighting.



SKU代码 SKU code	型号 Model	输入电压 Voltage	功率 Power	光谱范围 Spectral range	光量子数 PPFD	产品尺寸 Size
LAL00608W	硬灯条8W 0.6m生长灯 Hard light Strip 8W-0.6m growth light	DC24V	8W	380-780nm	12 μmol/s	600mm
LAL00615W	硬灯条15W 0.9m生长灯 Hard light Strip 15W 0.9m growth light	DC24V	15W	380-780nm	26 μmol/s	900mm
LAL00618W	T8一体化1.2米18W组培灯 GciGreen-T818W2835P-12m	AC 220-240V50HZ	18W	380-780nm	47 μmol/s	1200mm

## 蔬菜灯 Vegetable Grow Light

专用订制光谱: 适用于叶菜种植补光。  
Customized Spectrum: Suitable for supplementary lighting in leafy vegetable cultivation.



SKU代码 SKU code	型号 Model	输入电压 Voltage	功率 Power	防护等级 IP	光谱范围 Spectral range	光量子数 PPFD	产品尺寸 Size
LAL00708W	硬灯条8W 0.6m生长灯 Hard light Strip 8W 0.6m growth light	DC24V	8W	IP20	380-780nm	12 μmol/s	600mm
LAL00715W	硬灯条15W-0.9m生长灯 Hard light Strip 15W 0.9m growth light	DC24V	15W	IP20	380-780nm	26 μmol/s	900mm
LAL00724W	T8防水1.2米 24W植物灯 T8 Waterproof 1.2m 24W Plant lamp	AC90-265V	24W	IP65	380-780nm	47 μmol/s	1200mm

## 多肉灯 Succulent Grow Light



专用订制光谱:  
适用于多肉种植补光。  
促进多肉生长, 不徒长。  
上色快, 使多肉颜色鲜艳。  
安装简单, 使用方便。  
**Customized Spectrum:**  
Ideal for supplementary lighting in succulent planting.  
Encourages succulent growth without legginess.  
Enhances coloration, resulting in vibrant succulent colors.  
Simple installation and easy to use.

SKU代码 SKU code	型号 Model	输入电压 Voltage	功率 Power	防护等级 IP	光谱范围 Spectral range	光量子数 PPFD	产品尺寸 Size
LAL00510W	T8 0.3m 10W	AC 100-240V	10W	IP20	380-780nm	17 μmol/s	300mm
LAL00520W	T8 0.6m 20W	AC 100-240V	20W	IP20	380-780nm	34 μmol/s	600mm
LAL00526W	T8 0.9m 26W	AC 100-240V	26W	IP20	380-780nm	47 μmol/s	900mm
LAL00530W	T8 1.2m 30W	AC 100-240V	30W	IP20	380-780nm	57 μmol/s	1200mm

# 阿波罗系列

## Apollo Series

### 产品特点:

- 高性价比: 使用及维护成本低;
- 质量卓越: 产品拥有出色的稳定性和可靠性;
- 全向高透光: 采用高透光玻璃, 实现360°均匀高亮度发光, 确保优良的光照效率;
- 调节花期: 有助于统一菊花开花时间, 提升菊花品质;
- 高显色性: 提供高显色性的光线, 使光线更为接近自然状态;
- 通用灯头: 配备E27灯头标准规格, 使得安装与更换更为简便。

### Features:

- Cost-effective: Low usage and maintenance costs;
- Superior Quality: Outstanding stability and reliability;
- Omnidirectional High-transparency: Features high-transparency glass for 360° uniform and bright illumination, ensuring excellent lighting efficiency;
- Adjusting Bloom: Helps synchronize the blooming time of chrysanthemums, improving the quality of the flowers;
- High Color Rendering: Offers light that closely resembles natural conditions;
- Universal Bulb Base: Equipped with a standard E27 bulb base, simplifying installation and replacement.



### 产品参数 Specifications:

产品名称 Name	菊花补光灯 Chrysanthemum Grow Lamp
型号 Model	A55
规格 Size	φ56*95mm
光色 Light Color	2700K 暖白光 (2700K Warm White)
功率 Power	28W
电压 Voltage	220-240V/50Hz
灯头类型 Base	E27
显指 Color Rendering Index(CRI)	≥99
调光 Dimmable	可调光



# 株间植物生长灯

## Interplant Grow Light

### 产品特点:

- 为植物生长的环境设计, 达到高水平的PPFD (光合有效光子通量);
- 240°光分布: 植物之间全方位均匀补光;
- 安装方便: 支持串行连接, 无需额外安装线路, 可以灵活扩展和拼接使用。无论是垂直吊装还是水平安装, 都能轻松适应各种安装环境, 且配有防水连接器, 便于快速替换;
- 适用于温室和室内照明: 组合照明方案, 推荐顶部补光灯和株间补光灯配合使用。

### Features:

- Designed for all growing environment reaching high level PPF;
- 240°Light Distribution: Light supplementing in an all-round and uniform way between plants;
- Easy Installation: Supports serial connection with no extra wiring required, offering flexible expansion and splicing. Whether mounted vertically or horizontally, it easily adapts to various installation environments, and comes with a waterproof connector for quick replacement;
- Greenhouse/ Indoor Lighting Positioning: Combination lighting Tips, LED Top Light + Interlighting.



产品型号 Product Model	LAL009/50W	LAL009/100W
光源 Light Source	LED	LED
光合光子通量 PPF	165±5% umol/s	330±5% umol/s
输入功率 Input Power	50W±5%	100W±5%
效率 Efficacy	3.3 umol/J	3.3 umol/J
输入电压 Input Voltage	100-265V	108-305V
产品尺寸 Product Size	120cm L* 9cm W* 7cm H	240cm L* 9cm W* 7cm H
外箱尺寸 Outer Carton Size	145cm L* 9.5cm W* 9.5cm H	275cm L* 9.5cm W* 9.5cm H
净重 Net Weight	4.4lbs/2kg	8.6lbs/3.9kg
安装高度 Mounting Height	距离植物冠层≥6英寸 (15.2厘米) ≥6" (15.2cm) Above Canopy	距离植物冠层≥6英寸 (15.2厘米) ≥6" (15.2cm) Above Canopy
热管理 Thermal Management	被动散热 Passive	被动散热 Passive
相关色温 CCT	450nm&660nm	450nm&660nm
光束角 Beam Angle	120°	120°
使用寿命 Lifetime	>54,000hrs	>54,000hrs
功率因数 Power Factor	≥0.98	≥0.98
认证 Certification	ETL, CE, SAA, DLC, ROHS	ETL, CE, SAA, DLC, ROHS
工作温度 Operating Temperature	104°F/40°C, max	104°F/40°C, max
IP等级 IP Rating	IP65	IP65
保修 Warranty	3年/3Years	3年/3Years

# 植物顶部补光灯

## Top Grow Light

### 产品特点:

- 高质量整体散热结构, 无需附加散热装置, 产品体积小, 无阴影;
- 接受不同光谱的定制;
- 专为温室大棚设计, 采用快速接头, 安装简便, 易于后期维护和管理;
- 具备IP66的高防护等级;
- 高PPF, 有效促进植物生长, 全年生长。

### Features:

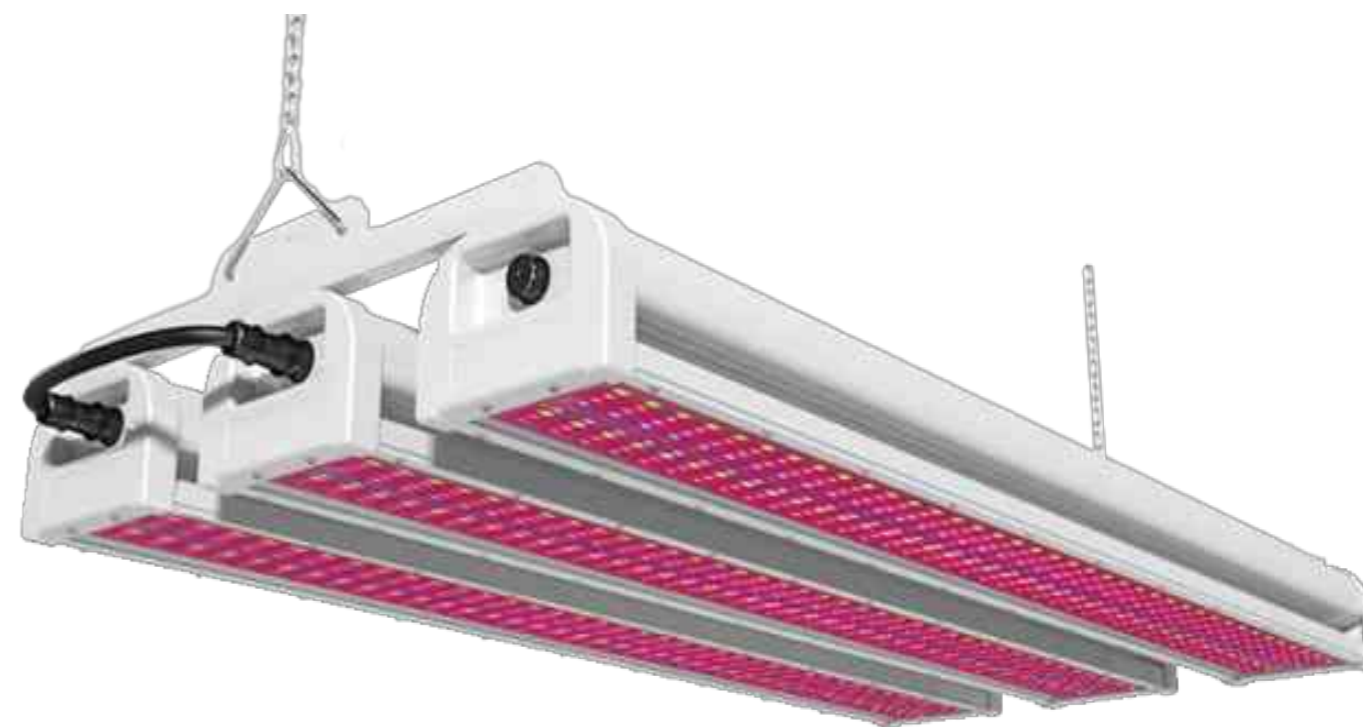
- High-quality integral heat dissipation structure, no additional cooling device required, small product size, no shadow;
- Accepting customization of different spectra;
- Specially designed for greenhouse sheds, using quick connectors for easy installation and convenient future maintenance and management;
- Equipped with a high IP66 protection level;
- High PPF, effectively promoting plant growth for year-round cultivation.



型号 Product Model	LAL010/200W	LAL010/315W
输入电压 Input Voltage	380~400VAC 50/60Hz	200-400VAC 50/60H
额定功率 Rated power	200W	315W
功率因素 Power Factor	>0.95	>0.95
光合光子通量 PPF	550-600umol/s	1000umol/s
IP等级 IP Rating	IP66	IP66
质保 Warranty	3年/3Years	3年/3Years
种植阶段 Growing Stage	生长期和开花期 Growth and Flowering Period	生长期和开花期 Growth and Flowering Period
建议安装高度 Mounting Height	<2.0 m	<2.0 m
电源 Power Supply	无调光 Non-Dimmable	无调光 Non-Dimmable
灯珠配比 LED Bead Ratio	红光+蓝光 Red Light + Blue Light	红光+蓝光 Red Light + Blue Light
灯具最大串接数量 Maximum Number of Lights Connected in Series	15pcs	5pcs(200W);10pcs(400W)
安装方式 Installation Method	挂钩悬挂 Hook Suspension	挂钩悬挂 Hook Suspension

# 大功率植物顶部补光灯

## High-Power Plant Top Supplementary Lighting

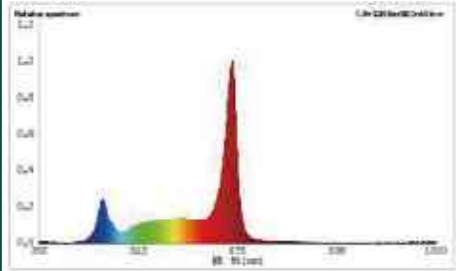
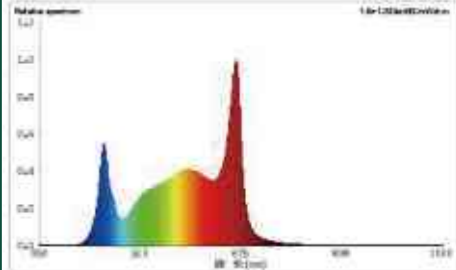
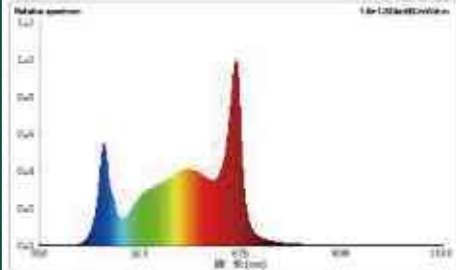
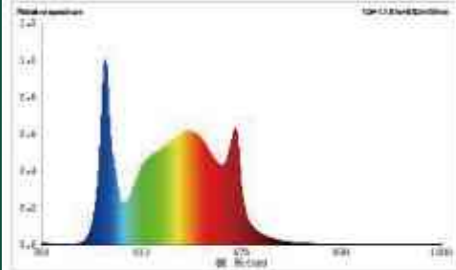


### 产品特点:

- 提供200W和300W, 最大输出达2.8umol/J;
- 配备高效的散热系统;
- 自动感应120-277V或347-480V, 标准0-10V调光功能;
- 光子通量保持Q90超过36,000小时, 在40°C (104°F) 环境下, 依据IESNA TM-21标准;
- 采用硅胶密封的挤压铝制造和PMMA镜片, 实现IP55的防尘防水设计;
- 集成种植灯和消毒灯的设计, 广明源的种植灯融入了二合一设计, 不仅满足种植者的植物生长技术需求, 还能切换到温室的消毒模式, 全面保护植物的生长;
- 轻量化并具有多个无限链接单元的设计, 简便的插头连接设计使得安装过程极为简单, 能够节省高达85%的安装成本。

### Features:

- Available in 200W and 300W delivering up to 2.8umol/J;
- Equipped with an efficient cooling system;
- Autosensing 120-277V or 347-480V with 0-10V dimming standard;
- Photon Flux Maintenance Q90 >36,000 hours at 40°C (104°F) per IESNA TM-21;
- Manufactured with silicone-sealed extruded aluminum and PMMA lens, achieving IP65 dust and moisture resistance design;
- Grow light+UVA disinfection light combo design, Grow Light developed by GMY adds a two-in-one design, which not only satisfies the growers' technology for plant growth but also switches the UVA disinfection mode for the greenhouse, which perfectly protects the growth technology of plants;
- Lightweight design with multiple unlimited link units, The easy plug-in connection design greatly simplifies the installation process, saving up to 85% on installation costs;

型号 Product Model	参数 Specification	工作电压 Operating Voltage	输入功率 Input Power	输入电流 Input Current	PPF ( $\mu\text{mol/s}$ )	PPE ( $\mu\text{mol/J}$ )	产品尺寸 Product Dimensions	产品重量 Product Weight	外壳 Housing	保修 Warranty	工作温度 Operating Temperature	湿度 Humidity	防护等级 IP Rating	驱动器 Driver	光谱 Spectrum
LAL011/200W	HS01	120V	200W	1.68	540	2.7	610*166*108mm/ 650*200*150mm	6.2 kg							全光谱配重红光 660nm Full Spectrum with Heavy Red 660nm 
	HS02				520	2.6									
	HS03				540	2.7									
	HS01	277V		0.73	540	2.7									
	HS02			520	2.6										
	HS03			540	2.7										
	HS01	347V		0.58	540	2.7									
	HS02			520	2.6										
	HS03			540	2.7										
	HS01	480V		0.42	540	2.7									
HS02	520		2.6												
HS03	540		2.7												
LAL011/300W	HS01	120V	300W	2.52	810	2.7	910*166*108mm/ 950*200*150mm	8.7 kg	挤压铝材 与压铸端盖 Extruded aluminum with die-cast end-cap	5年 5Years	0° to 40°C	10% - 90% 相对湿度, 无冷凝 10% - 90% RH, non condensing	IP55	Inventronics	宽光合有效辐射配重 660nm Broad Par with Heavy 660nm 
	HS02				780	2.6									
	HS03				810	2.7									
	HS01	277V		1.09	810	2.7									
	HS02			780	2.6										
	HS03			810	2.7										
	HS01	347V		0.86	810	2.7									
	HS02			780	2.6										
	HS03			520	2.6										
	HS01	480V		0.63	540	2.7									
HS02	520		2.6												
HS03	540		2.7												
LAL011/1000W	HS01	120V	1000W	8.3	2700	2.7	1210*166*108mm*2/ 1250*200*150mm*2	21kg							宽光合有效辐射配重 660nm Broad Par with Heavy 660nm 
	HS02				2600	2.6									
	HS03				2700	2.7									
	HS01	277V		3.6	2700	2.7									
	HS02			2600	2.6										
	HS03			2700	2.7										
	HS01	347V		2.8	2700	2.7									
	HS02			2600	2.6										
	HS03			2700	2.7										
	HS01	480V		2.1	2700	2.7									
HS02	2600		2.6												
HS03	2700		2.7												
LAL011/500W	HS01	AC100-277V	500W	\	\	\	1210*166*108mm/ 1250*200*150mm	10.8KG							
HS02															
HS03															
LAL011/600W	HS01	AC100-277V	600W	\	\	\	1510*166*108mm/ 1550*200*150mm	12.6KG							
HS02															
HS03															
LAL011/1200W	HS01	AC100-277V	1200W	\	\	\	1510*166*108mm*2/ 1550*200*150mm*2	26KG							
HS02															
HS03															
LAL011/1500W	HS01	AC100-277V	1500W	\	\	\	1210*166*108mm*3/ 1250*200*150mm*3	33kg							
HS02															
HS03															
LAL011/1800W	HS01	AC100-277V	1800W	\	\	\	1510*166*108mm*3/ 1550*200*150mm*3	38.8KG							宽光合有效辐射配重 450nm Broad Par with Heavy 450nm 
HS02															
HS03															

# 植物工厂 Plant Factory

植物工厂是通过设施内高精度环境控制，实现农作物周年连续生产的高效农业系统，是人为地对植物物生长发育的温度、湿度、光照、CO<sub>2</sub>浓度以及营养液等环境条件进行自动控制，使设施内植物生长发育不受或少受自然条件制约的省力型生产方式。植物工厂采用太空空间站科学专业的垂直种植技术方案，使用适合植物光合需求的精准光谱科学的光配方，大幅度提高作物的营养成分，改善作物的口感。

The LumiAgro Plant Factory is a highly efficient agricultural system designed for the continuous production of fruits and vegetables within a precisely controlled indoor environment. This highly automated system saves labor by managing environmental conditions such as temperature, humidity, illumination, CO<sub>2</sub> concentration, and nutrient solution, ensuring that plant growth and development is minimally impacted by external weather. The Plant Factory incorporates scientific and professional vertical planting technology, leveraging LumiAgro's custom-spectrum lights, tailored for optimal plant photosynthesis. This innovative approach greatly enhances the nutritional value and appearance of the produce, while also significantly improving taste.



# 集装箱模块化种植系统 Container Planting System

的所有元素（例如：光照、水、营养、温度、空气、湿度等）集成于一个集装箱模块之中，打破时间及环境条件的限制，满足随时随地种植蔬菜的需求。LumiAgro的模块化集装箱种植系统主要包括设备模块和生长模块两大核心部分。模块间的灵活组合设计让种植管理工作变得轻松方便。同时，还可便捷地扩展种植规模，为实现无限的扩展潜力提供了可能性。

The LumiAgro Container Planting System is a comprehensive solution for plant growth that integrates all essential elements for vegetable production – such as light, water, nutrition, temperature, air, and humidity – into a single container module. This system transcends the limitations of time and environmental conditions, enabling the cultivation of vegetables anywhere, anytime. It primarily consists of two core components: the equipment module and the growth module. Its flexible design allows for easy plant management and convenient inter-module interaction. Additionally, it enables straightforward expansion of the planting scale, offering potential for limitless scalability.



**先进技术与自动化:** 运用创新的集装箱种植技术和智能控制系统，实现全自动化的植物种植、生长、光照和水肥管理。7年生产经验保证了我们在种植技术和管理方面的专业水准。  
**Advanced Technology & Automation:** Leveraging smart container planting and control systems, we offer fully automated cultivation, lighting, and water/fertilizer management. Seven years of experience underpin our expertise in planting technology.

**节能高效:** 借助精确的时控系统，以最低能耗满足植物需求，尤其在植物照明上，采用多频段、分钟级控制，提高照明效果，节省20%电力成本。这一技术有助于提高作物产量和质量，降低资源和成本消耗。

**Energy-saving & Efficient:** Our precise timing control systems reduce energy consumption, especially in lighting. By using multi-frequency bands and minute-level control, we save up to 20% on electricity, enhancing crop yield and quality while simultaneously lowering costs.

**强大适应性:** 无论地理位置和气候如何，LumiAgro集装箱种植系统都能适应不同环境，让农业更广泛、多元化。

**Adaptable:** The LumiAgro container planting systems function in any location and climate, bringing flexibility and diversity to agriculture.

**空间优化:** 全苗态种植和垂直种植方式在有限空间内实现更多植物的种植，提高土地利用效率，大大节省空间。

**Space-saving:** Utilizing full seedling stage planting and vertical methods, we grow more plants within limited spaces, thereby increasing land use efficiency and saving space.

**专业光谱定制:** 根据不同种植需求，为植物提供专业定制的光谱，满足其生长需求。  
**Customized Spectra:** We cater to plants' specific growth needs by providing tailored light spectra.

**可持续发展:** 水循环和肥料循环系统最大程度减少水和肥料浪费，降低环境污染。我们的可持续生产模式符合现代社会对环保和可持续发展的追求。

**Sustainability:** Our water and fertilizer recycling systems minimize waste and pollution. We advocate for environmental protection and sustainable development through our eco-friendly production methods.



产品 Product	容积 Volume	长度 Length	宽度 Width	高度 Height
40尺高柜集装箱 40-foot High Cube Container	76cbm	12.192m	2.438m	2.896m