

# PRODUCT SPECIFICATION

AGL-1000W-LA01



## 1. Product Specification

AGLEX®

**Actual Power:** 1000w±5%

**Materials:** Aluminum

**Perfect Coverage:** 6x6ft@12"

**Input Voltage:** AC100-277V

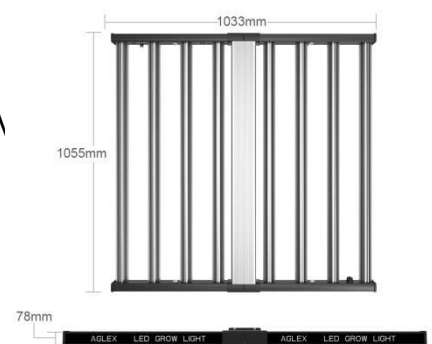
50-60Hz

**Item Weight:** 35.27 lbs (16KG)

**Lifespan:**>50000 Hours

### PRODUCT SIZE

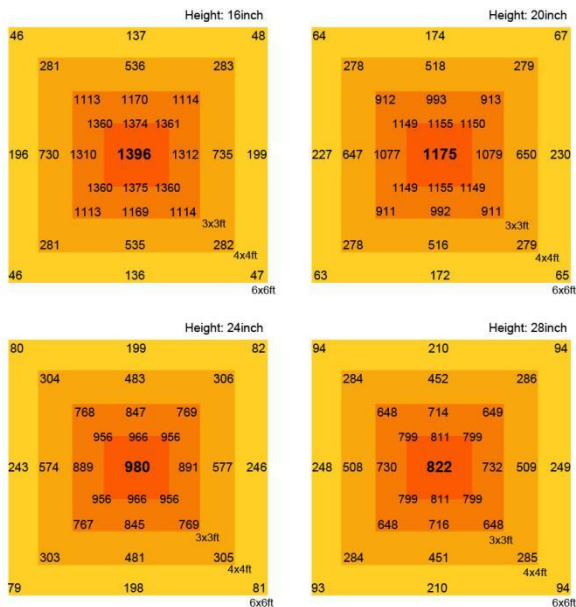
1055mmx1033mmx78mm



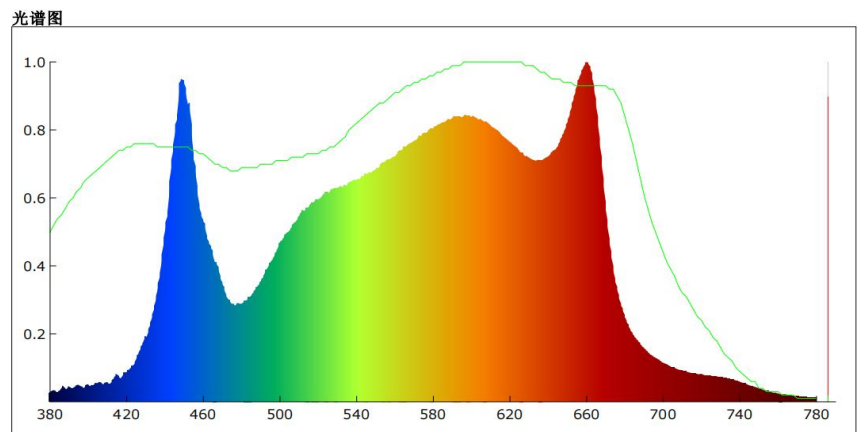
## 2. Product Introduction

<b>Model Number</b>	<b>AGL-1000W-LA01</b>	<b>PPF (μmol/s)</b>	2760
<b>Input Voltage</b>	AC100-277V / 50-60HZ	<b>PPE (μmol/j)</b>	2.76
<b>Input Wattage</b>	1000W±5%	<b>Radiation Flux (mW)</b>	585327.56
<b>Amp</b>	AC110V-8.82A/ AC220V-4.18A	<b>Luminous Flux (lm)</b>	172020.53
<b>LED Quantity</b>	Samsung 281b+ SMD3030 - 3456pcs in total	<b>LED Driver</b>	4 pcs UL driver
<b>Led Source</b>	2880pcs White (4000K) Samsung2801b 528pcs Red (650-660nm) 48pcs IR (730-740nm)	<b>Contents</b>	Adjustable Hanging Rope RJ11signal wire-2m Stainless Hangers
<b>Lamp Size (MM)</b>	1055 x 1033 x 78mm	<b>Power Factor</b>	0.99
<b>N.W. (KG)</b>	16	<b>Operating Temperature</b>	(-20℃~+40℃)
<b>Carton Size (CM)</b>		<b>Lifespan</b>	50,000 Hours
<b>G.W. (KG)</b>	20	<b>AC Power Cable</b>	UL 3*18AWG
<b>Dimming Signal</b>	0-10V	<b>THD</b>	≤20%
<b>Dimming Level</b>	25%、50%、75%、100%	<b>Warranty</b>	3years

## 3. Spectrum



### AGL-1000W-LA01



## 4. LED Source



**White Light**  
(4000K)-SAMSUNG



**Red light**  
(660nm)  
Promotes plants  
flowering



**Infrared light**  
(740nm)  
Promotes plants  
flowering

## 5. Product Feature



### Daisy Chain Function

Connect 100 lamps with RJ14 ports for simultaneous control, commercial planting-friendly



### 180° Foldable

Quick installation, reduce labor cost



### Aluminum Material

Fast heat dissipation, extend the lifespan

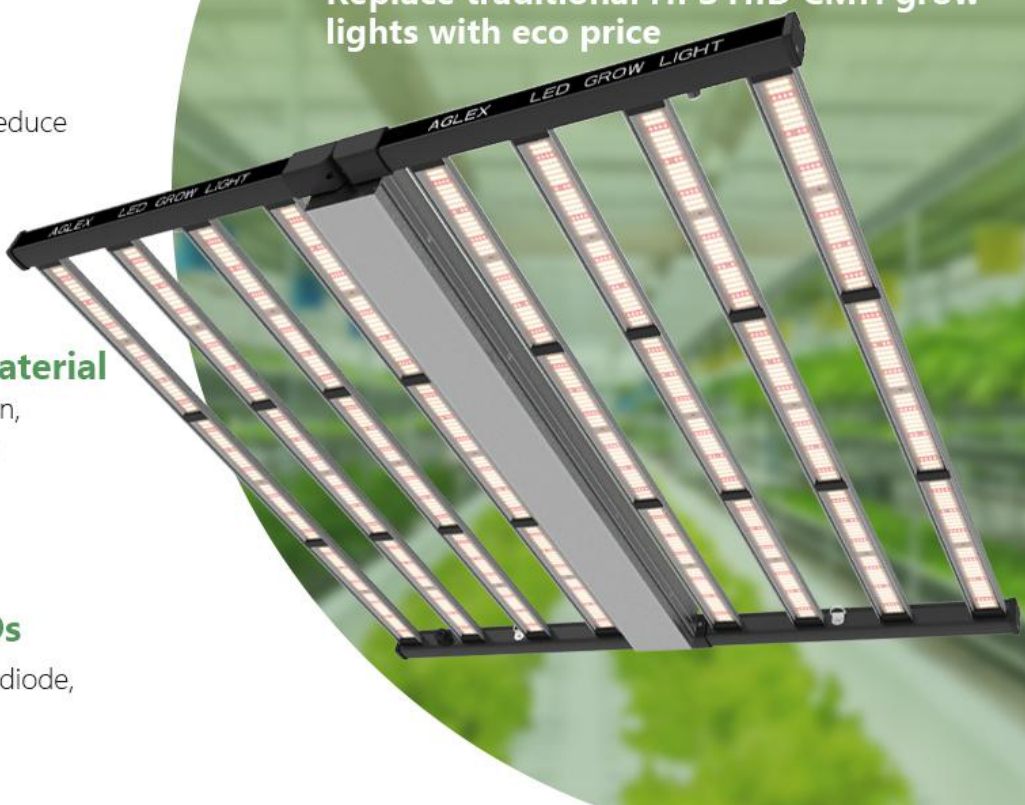


### Samsung LEDs

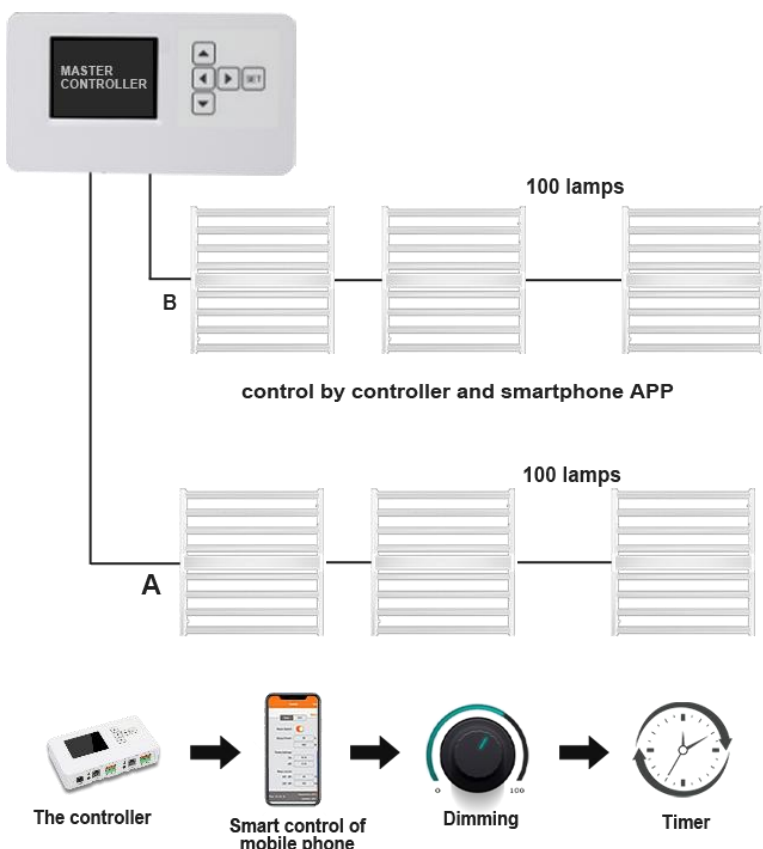
High-performance diode, 2.7 $\mu$ mol/J PPE

## BEST COMMERCIAL LED GROW LIGHT SOLUTIONS

Replace traditional HPS HID CMH grow lights with eco price



## 6. Daisy Chain Function





# 7. Product Test Data

## AGL-1000W-LA01

深圳市亚美瑞科技有限公司  
www.aglex.com  
Tel: 0086-18824321931  
Email: ever@aglex.com

### 1000W LA -100%

**产品标识**

产品型号:

球内温度: 0.0℃

测试员: YW

制造厂商: 深圳市亚美瑞科技有限公司

环境温度: 0.0℃

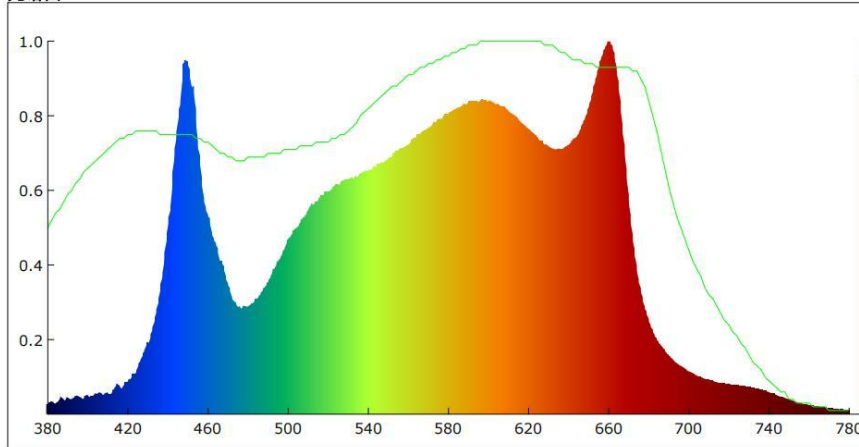
测试日期: 2021-10-19

环境湿度: 65%

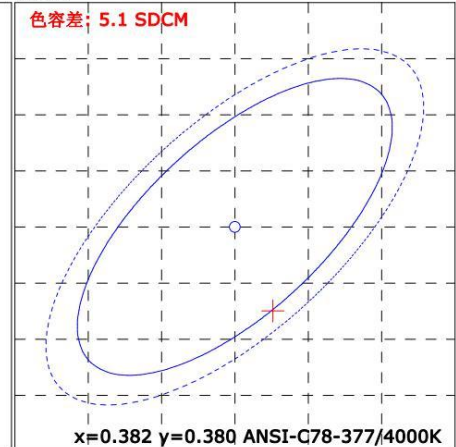
**参数列表**

参数名称	参数值	参数名称	参数值	参数名称	参数值
光通量(lm)	182680.0	半宽度(nm)	167.5	PPFfr(umol/s)	91.70
辐射通量(mW)	585327.56	峰值波长(nm)	660.9	PPE(umol/J)	2.76
相关色温(K)	3858	中心波长(nm)	588.1	Euv(mW)	2875.81
黑体偏离Duv	-0.00328	质心波长(nm)	570.3	Eb(mW)	119474.48
坐标x,y	0.3844,0.3722	光通量色比(RGB)	19.9,77.7,2.4	Eg(mW)	234670.52
坐标u,v	0.2296,0.3334	CIE1931 X	260109.281	Er(mW)	213237.58
坐标u',v'	0.2296,0.5002	CIE1931 Y	251860.219	Efr(mW)	15068.98
色容差	5.06	CIE1931 Z	164702.672	电压(V)	225.6
显色指数Ra	91.7	PPF(umol/s)	2760.0	电流(A)	4.245
Qa	0.0	PPFuv(umol/s)	9.40	功率(W)	1000.0
明暗视觉比S/P	1.718	PPFb(umol/s)	458.64	功率因数	0.983
主波长(nm)	581.50	PPFg(umol/s)	1088.42	光效(lm/W)	182.68
色纯度(%)	27.1	PPFr(umol/s)	1142.71		

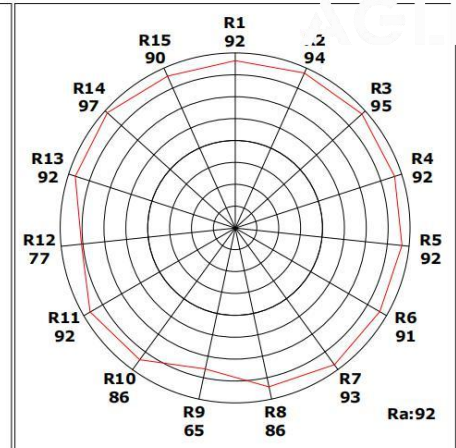
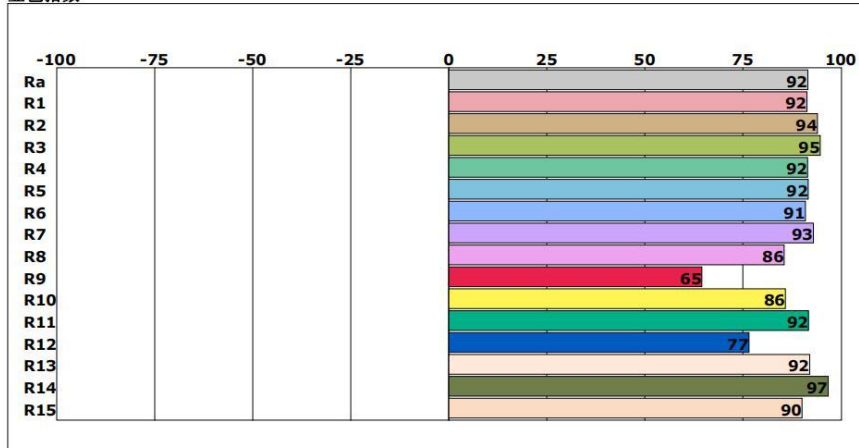
**光谱图**



**SDCM**



**显色指数**



**仪器状态**

仪器型号: HPS2000

积分时间: 1.685ms

仪器编号: 2008012

峰值信号: 58870

波长范围: 380-780nm

暗电压: 1112

Remark:

## 8. Application



Grow tent

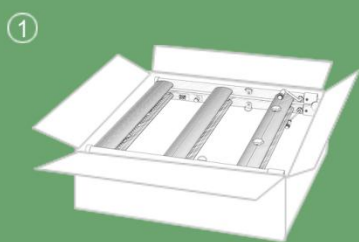


Vertical farming



Greenhouse planting

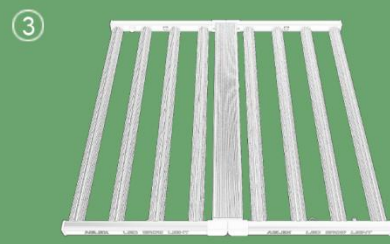
## 9. Installation Steps



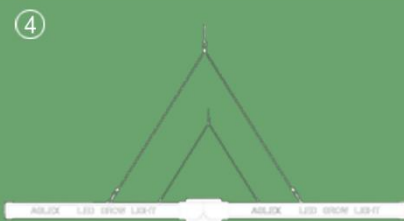
Unboxing



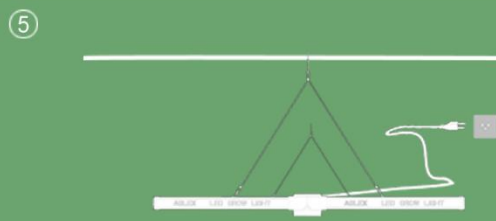
Lamp and accessories



Open the light



Hang light with packed hanger



Plug to power on the lamp