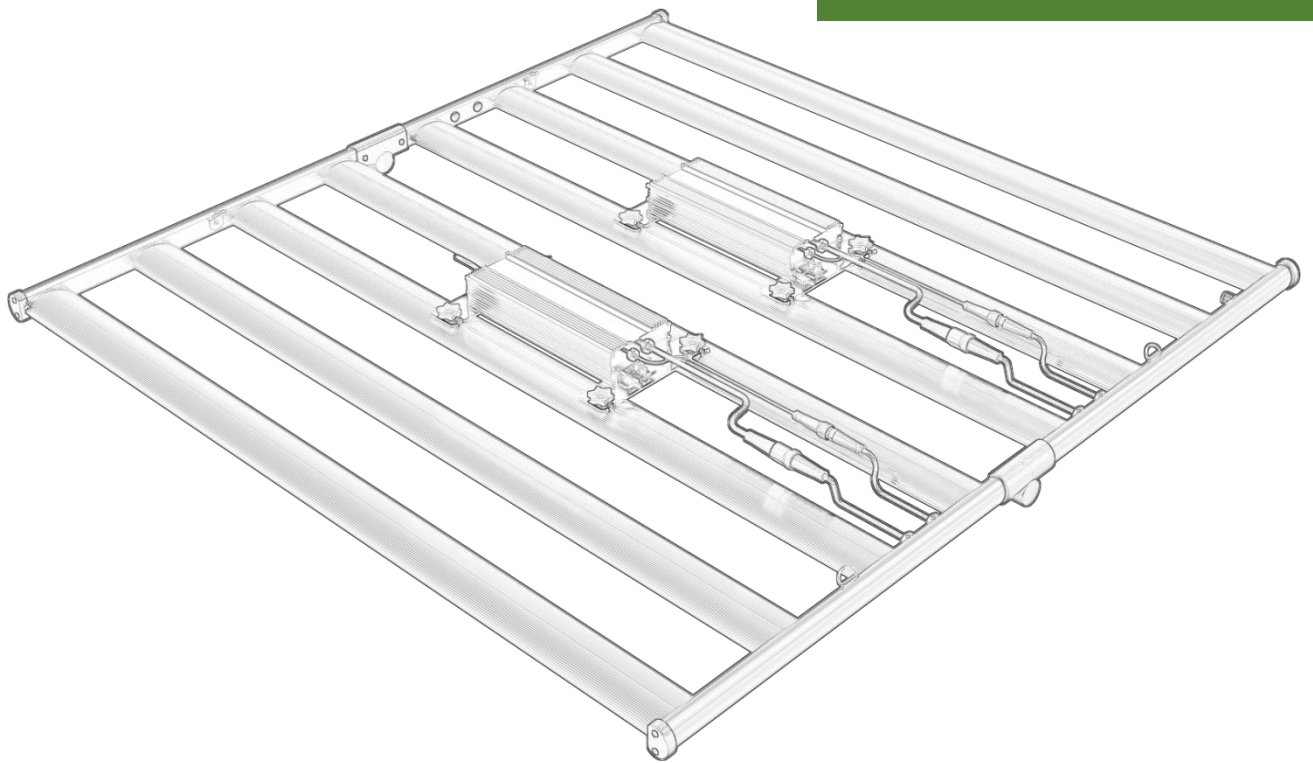


# PRODUCT SPECIFICATION

## AGL-800W



## 1. Product Specification

AGLEX®

**Actual Power:** 800w±5%

**Materials:** Aluminum

**Perfect Coverage:** 6x6ft@16"

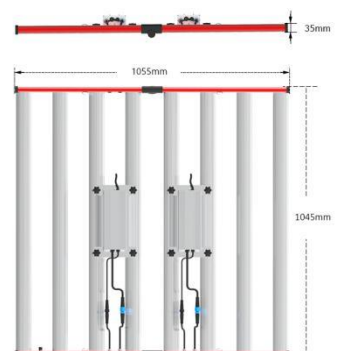
**Input Voltage:** AC100-277V,  
50-60Hz

**Item Weight:** 23.59 lbs. (10.7KG)

**Lifespan:**>50000 Hours

**Product size drawing**

Product size:1055x1045x35mm



## 2. Product Introduction

Model Number	AGL-800W-MA02	AGL-800W-MB02	AGL-800W-MC02
Input Voltage	AC100-277V / 50-60HZ	AC100-277V / 50-60HZ	AC100-277V / 50-60HZ
Input Wattage	800W±5%	800W±5%	800W±5%
Amp	AC120V-7.08A AC220V-3.75A		
LED Quantity	SMD 3030—2304 pcs in total	SMD 3030—2720 pcs in total	Samsung Im301B+Osram—2880 pcs in total
Led Ratio	1920 pcs White (4000K) 352 pcs Red (650-660nm) 32 pcs IR (730-740nm)	2560 pcs White (4000K) 160pcs Red (650-660nm)	2784 pcs Samsung Im301B-4000K 96 pcs Red 660nm
Lamp Size (MM)	1055×1050×88	1055×1050×88	1055×1050×88
N.W. (KG)	10.7	10.7	10.7
Carton Size (CM)	111*60*13 (1 per carton)	111*60*13 (1 per carton)	111*60*13 (1 per carton)
G.W. (KG)	15.45	15.45	15.45
Dimming Signal	0-10V	0-10V	0-10V
Dimming Level	25%、50%、75%、100%	25%、50%、75%、100%	25%、50%、75%、100%
PPF (μmol/s)	2160	2240	2320
PPE (μmol/j)	2.7	2.8	2.9
Radiation Flux (mW)	485448.47	512897.63	548361.31
Luminous Flux (lm)	153184.17	161340.06	171298.77
LED Driver	2 pcs UL Sosen driver	2 pcs UL Sosen driver	2 pcs UL Sosen driver
THD	≤20%	≤20%	≤20%
Power Factor	0.99	0.99	0.99
Operating Temperature	(-20℃~+40℃)	(-20℃~+40℃)	(-20℃~+40℃)
Lifespan (Hours)	50,000	50,000	50,000
AC Power Cable	UL 3*18AWG	UL 3*18AWG	UL 3*18AWG

## 2. Product Introduction

<b>Contents</b>	Adjustable Hanging Rope RJ11signal wire-2m Stainless Hangers	Adjustable Hanging Rope RJ11signal wire-2m Stainless Hangers	Adjustable Hanging Rope RJ11signal wire-2m Stainless Hangers
<b>Warranty</b>	3years	3years	3years

## 3. Product Features



### 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



### High Top Bin LEDs

High-performance diode, 2.9μmol/J PPE

# BEST COMMERCIAL LED GROW LIGHT SOLUTIONS

Replace traditional HPS HID CMH grow lights with eco price



# 4. Product Test Data

## AGL-800W-MA02

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

### 800W-MA-100%

#### 产品标识

产品型号:

球内温度: 0.0°C

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°C

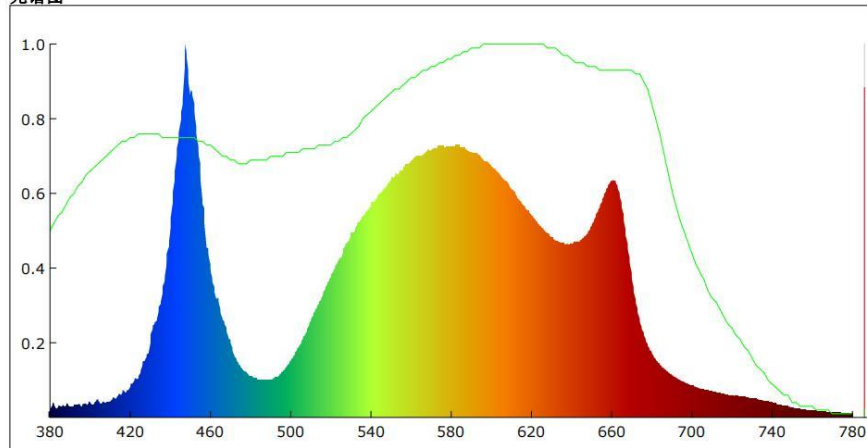
测试日期: 2021-05-27

环境湿度: 65%

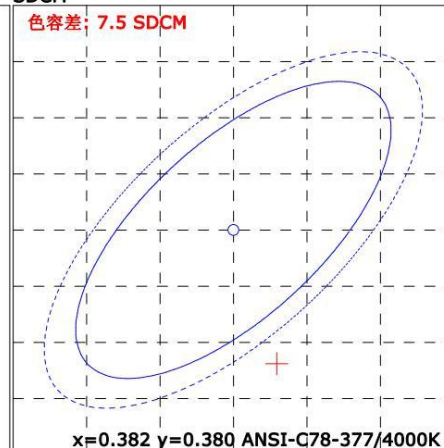
#### 参数列表

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)	153184.17	半宽度(nm)	17.7	PPFfr(umol/s)	74.27
辐射通量(mW)	485448.47	峰值波长(nm)	448.5	PPE(umol/J)	2.7
相关色温(K)	3812	中心波长(nm)	449.3	Euv(mW)	2488.28
黑体偏离Duv	-0.00549	质心波长(nm)	567.5	Eb(mW)	98486.61
坐标x,y	0.3848,0.3678	光通量色比(RGB)	17.8,80.2,1.9	Eg(mW)	210919.02
坐标u,v	0.2316,0.3321	CIE1931 X	234633.016	Er(mW)	161349.45
坐标u',v'	0.2316,0.4982	CIE1931 Y	224281.344	Efr(mW)	12204.84
色差	7.45	CIE1931 Z	150904.891	电压(V)	227.2
显色指数Ra	74.4	PPF(umol/s)	2234.25	电流(A)	3.674
Qa	0.0	PPFuv(umol/s)	8.13	功率(W)	827.5
明暗视觉比S/P	1.470	PPFb(umol/s)	372.20	功率因数	0.991
主波长(nm)	583.10	PPFg(umol/s)	985.42	光效(lm/W)	185.11
色纯度(%)	25.8	PPFr(umol/s)	863.04		

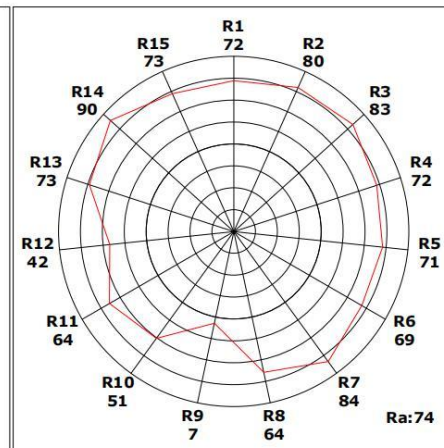
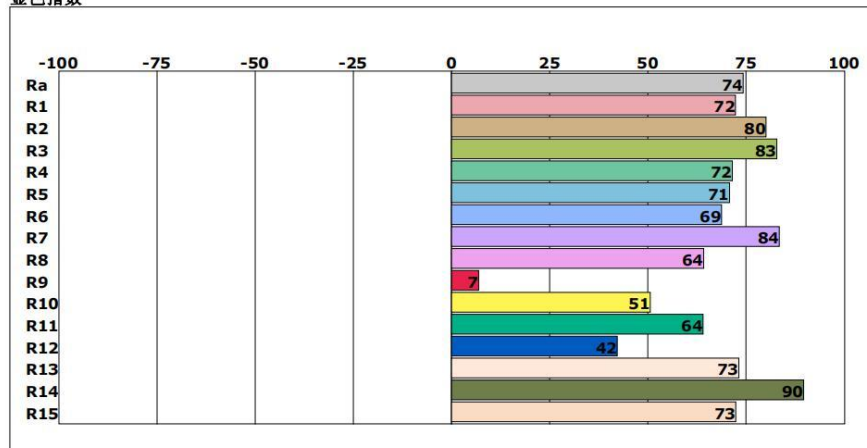
#### 光谱图



#### SDCM



#### 显色指数



#### 仪器状态

仪器型号: HPS2000

积分时间: 2.024ms

仪器编号: 2008012

峰值信号: 57937

波长范围: 380-780nm

暗电压: 1366

Remark:

# 4. Product Test Data

## AGL-800W-MB02

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

### 800W-MB-100%

#### 产品标识

产品型号:

制造厂商: 深圳市亚美瑞科技有限公司

球内温度: 0.0°C

环境温度: 0.0°C

环境湿度: 65%

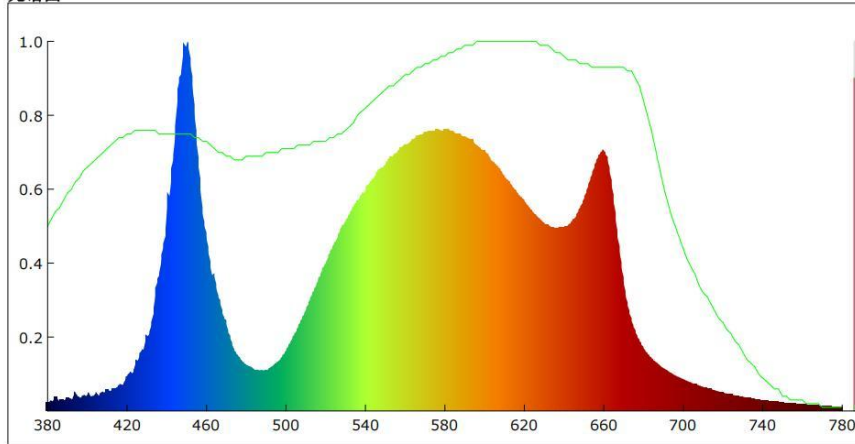
测试员: YW

测试日期: 2021-06-01

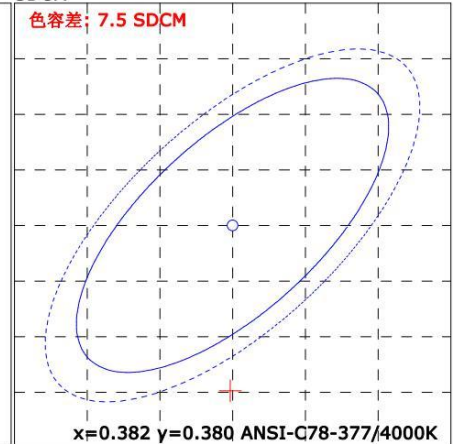
#### 参数列表

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)	161340.06	半宽度(nm)	18.6	PPFfr(umol/s)	65.42
辐射通量(mW)	512897.63	峰值波长(nm)	449.7	PPE(umol/J)	2.8
相关色温(K)	3873	中心波长(nm)	449.8	EuV(mW)	2746.52
黑体偏离Duv	-0.00605	质心波长(nm)	565.8	Eb(mW)	107641.90
坐标x,y	0.3816,0.3648	光通量色比(RGB)	17.8,80.2,2.0	Eg(mW)	221982.77
坐标u,v	0.2308,0.3309	CIE1931 X	247112.641	Er(mW)	169771.66
坐标u',v'	0.2308,0.4964	CIE1931 Y	236222.625	Efr(mW)	10755.01
色容差	7.52	CIE1931 Z	164164.797	电压(V)	231.0
显色指数Ra	75.4	PPF(umol/s)	2292.08	电流(A)	3.579
Qa	0.0	PPFuv(umol/s)	8.97	功率(W)	818.6
明暗视觉比S/P	1.501	PPFb(umol/s)	407.16	功率因数	0.990
主波长(nm)	583.40	PPFg(umol/s)	1036.70	光效(lm/W)	197.09
色纯度(%)	24.0	PPFr(umol/s)	907.91		

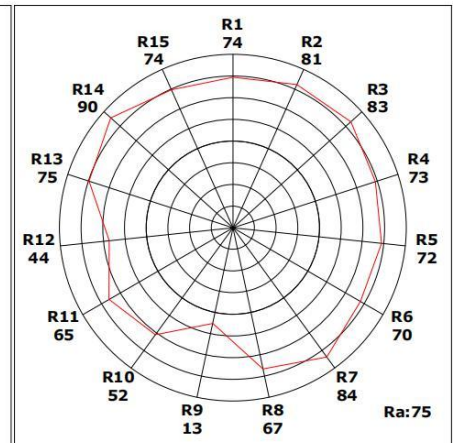
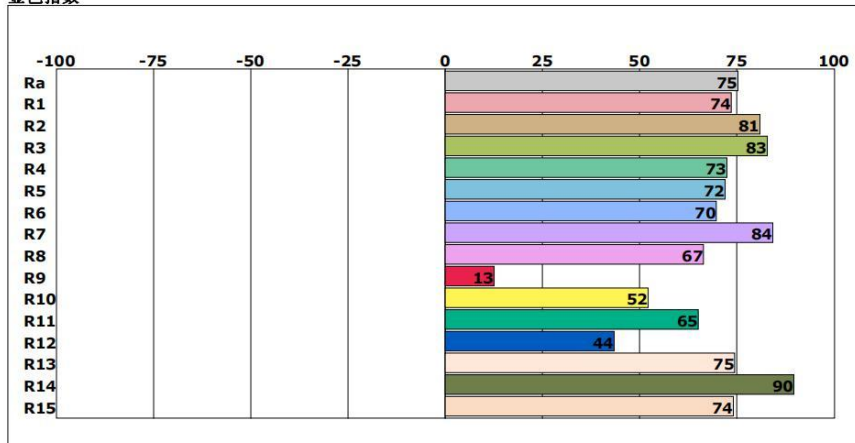
#### 光谱图



#### SDCM



#### 显色指数



#### 仪器状态

仪器型号: HPS2000

仪器编号: 2008012

波长范围: 380-780nm

积分时间: 1.840ms

峰值信号: 59089

暗电压: 1130

Remark: 深圳市亚美瑞科技有限公司

# 4. Product Test Data

## AGL-800W-MC02

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

### 800W-MC-100%

**产品标识**

产品型号:

制造厂商: 深圳市亚美瑞科技有限公司

球内温度: 0.0°C

环境温度: 0.0°C

环境湿度: 65%

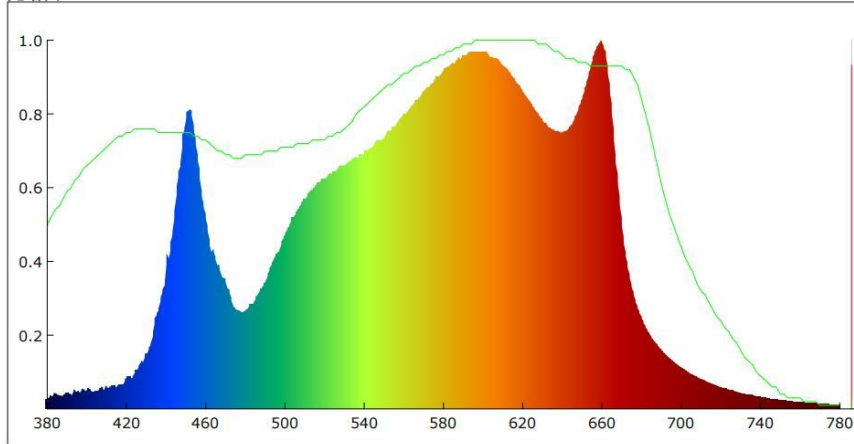
测试员: YW

测试日期: 2021-06-01

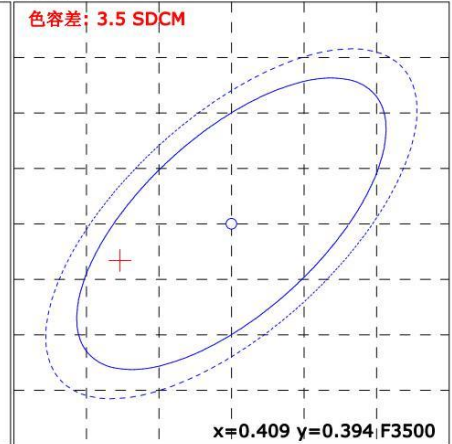
**参数列表**

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)	171298.77	半宽度(nm)	167.5	PPFfr(umol/s)	62.41
辐射通量(mW)	548361.31	峰值波长(nm)	659.2	PPE(umol/J)	2.9
相关色温(K)	3574	中心波长(nm)	586.8	Euv(mW)	2691.02
黑体偏离Duv	0.00109	质心波长(nm)	572.4	Eb(mW)	97244.20
坐标x,y	0.4023,0.3917	光通量色比(RGB)	20.2,77.7,2.1	Eg(mW)	233975.50
坐标u,v	0.2334,0.3408	CIE1931 X	257606.125	Er(mW)	204165.97
坐标u',v'	0.2334,0.5112	CIE1931 Y	250803.453	Efr(mW)	10284.59
色容差	3.48	CIE1931 Z	131898.422	电压(V)	230.0
显色指数Ra	88.1	PPF(umol/s)	2378.87	电流(A)	3.603
Qa	0.0	PPFuv(umol/s)	8.79	功率(W)	820.3
明暗视觉比S/P	1.588	PPFb(umol/s)	374.51	功率因数	0.990
主波长(nm)	580.10	PPFg(umol/s)	1087.22	光效(lm/W)	208.82
色纯度(%)	38.3	PPFr(umol/s)	1091.26		

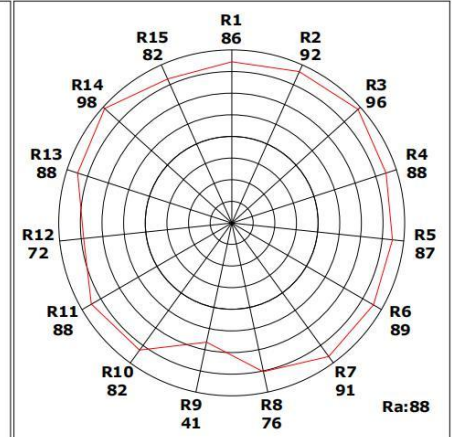
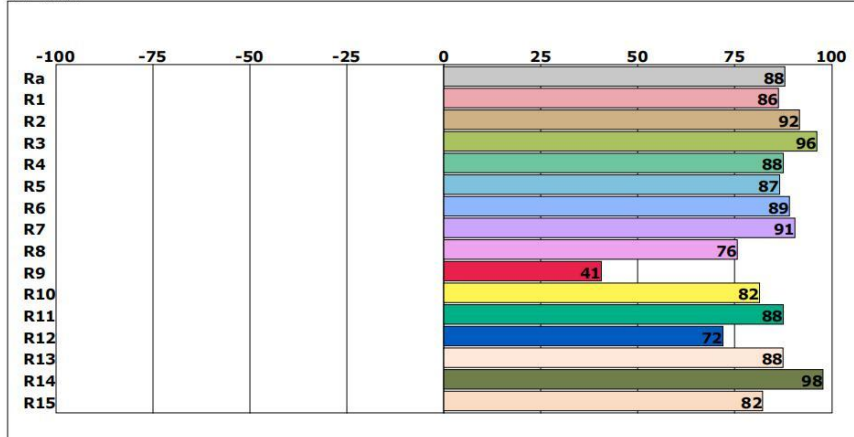
**光谱图**



**SDCM**



**显色指数**



**仪器状态**

仪器型号: HPS2000

仪器编号: 2008012

波长范围: 380-780nm

积分时间: 1.637ms

峰值信号: 61143

暗电压: 1233

Remark: 深圳市亚美瑞科技有限公司

## 5. Certification

**intertek**  
INTEGRATED

**AUTHORIZATION TO MARK**

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section which made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listed models, identified on the completion page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferrable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

<b>Applicant:</b> Shenzhen Ameri Technology Co. Ltd.	<b>Manufacturer:</b> Shenzhen Ameri Technology Co. Ltd.
<b>Address:</b> 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong	<b>Address:</b> 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong
<b>Country:</b> China	<b>Country:</b> China
<b>Contact:</b> Jianyu Huang	<b>Contact:</b> Jianyu Huang
<b>Phone:</b> 13803091872	<b>Phone:</b> 13803091872
<b>FAX:</b> NA	<b>FAX:</b> NA
<b>Email:</b> jyhuang@aglex.com	<b>Email:</b> jyhuang@aglex.com

**Party Authorized To Apply Mark:** Same as Manufacturer  
**Report Issuing Office:** Intertek Testing Services Shenzhen Limited, Shenzhen Branch

Control Number: 8521083      Authorized by: [Signature] for L. Matthew Shykes, Certification Manager



This document serves as proof of genuine Authorization to Mark for the control Report Number 8521083. This authorization is for the use of the ETL US Certification Mark for the products described in this report. It is not to be used for any other purpose. The use of the ETL US Certification Mark for any other purpose is strictly prohibited. The use of the ETL US Certification Mark for any other purpose is strictly prohibited. The use of the ETL US Certification Mark for any other purpose is strictly prohibited.

Intertek Testing Services NA, Inc.  
344 Erie Avenue, Irvington, NJ 07034  
Telephone: (908) 845-1100 or (800) 435-6677 Fax: (908) 845-1127

Luminaires [I.E. IESNA 2021 Ed.]
Standards: Luminaires (IEA C22.2/210.0 2021 Ed.)
Horizontal Lighting Equipment and Systems (ANSI CANUL 850:2010 Ed.)
Product: Horticultural Luminaires
Models: AGL 240W MC, AGL 320W MC, AGL 400W MC, AGL 600W MC, AGL 800W MC, followed by 01, 02 or 03.

ATM Report 21050008521083 Page 1 of 1      ATN Issue 7, Jul 2021      Intertek Certification Marking

**GTS** Global United Technology Services Co., Ltd.

Report No. GTS20210700085F01

## TEST REPORT

**Applicant:** Shenzhen Ameri Technology Co. Ltd.

**Address of Applicant:** 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong, China

**Manufacturer/Factory:** Shenzhen Ameri Technology Co. Ltd.

**Address of Manufacturer/Factory:** 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong, China

**Equipment Under Test (EUT)**

**Product Name:** Horticultural Luminaires

**Model No.:** AGL-240W-MCxx, AGL-320W-MCxx, AGL-400W-MCxx, AGL-650W-MCxx, AGL-800W-MCxx

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart B

**Date of sample receipt:** July 08, 2021

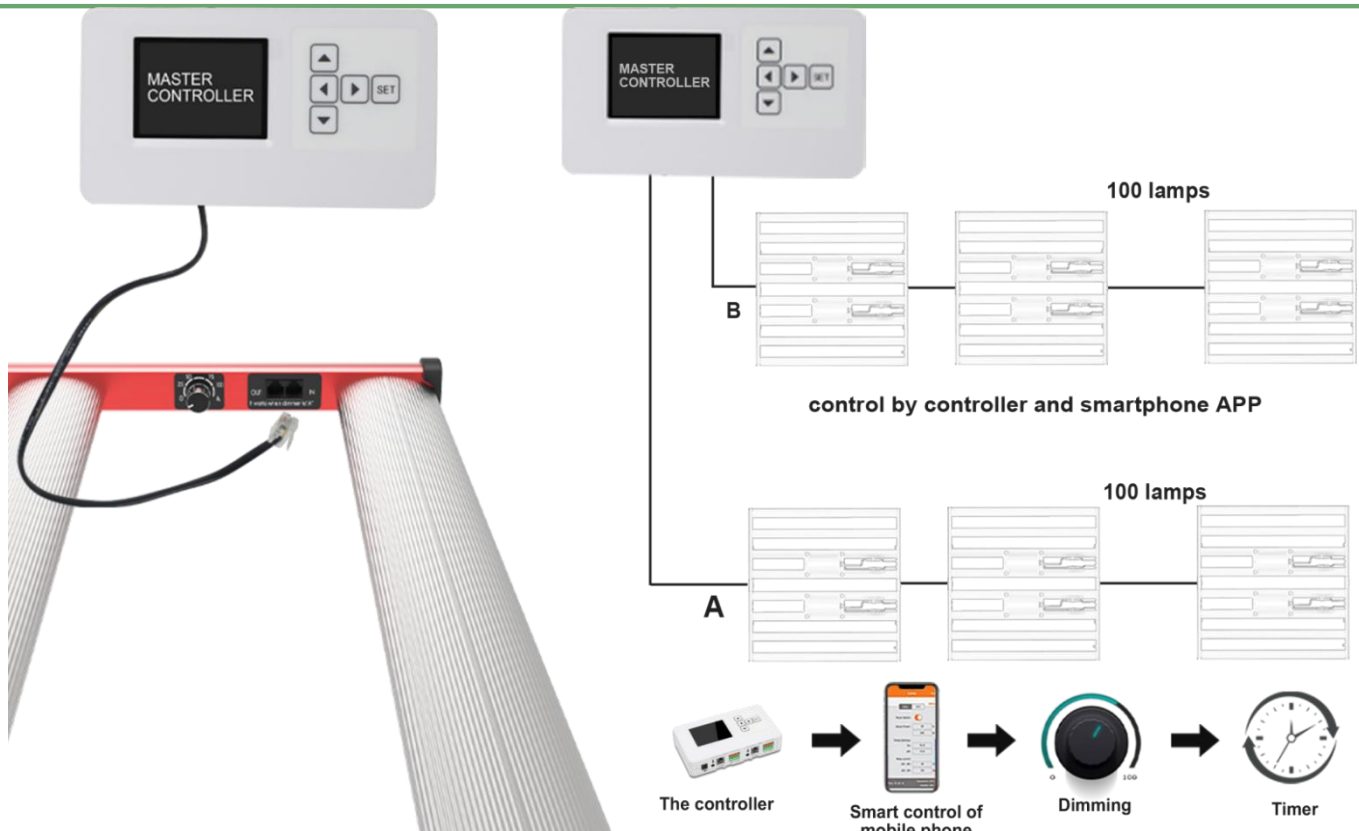
**Date of Test:** July 08-14, 2021

**Date of report issued:** July 15, 2021

**Test Result :** Pass \*

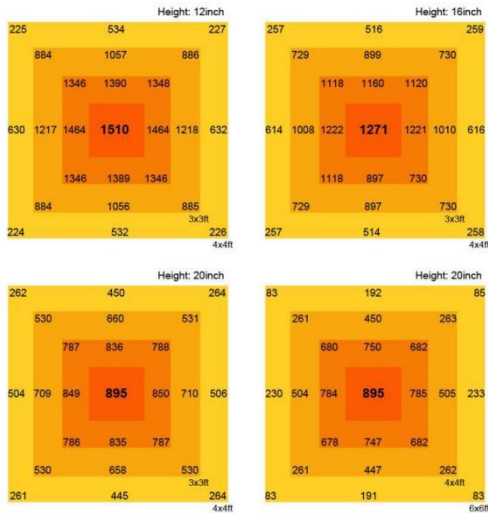
\* In the configuration tested, the EUT complied with the standards specified above.

## 6. Daisy Chain Function

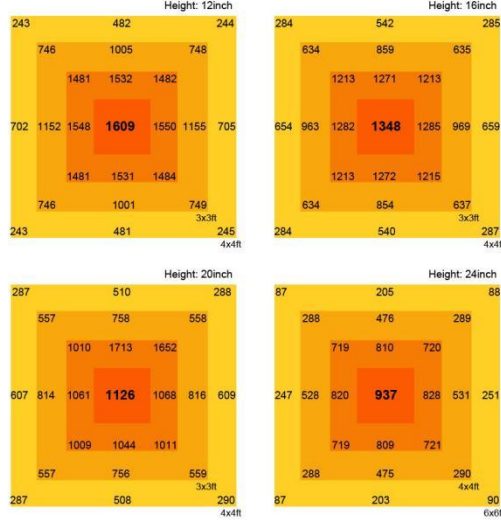


## 7. Spectrum

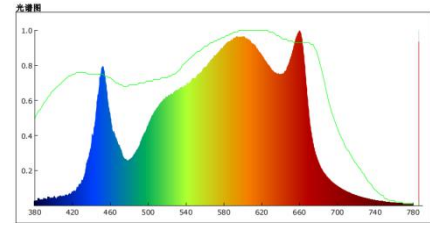
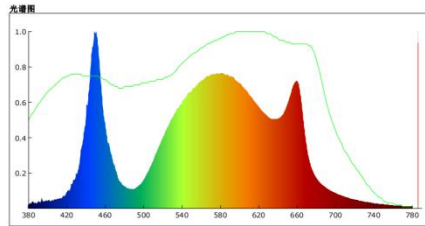
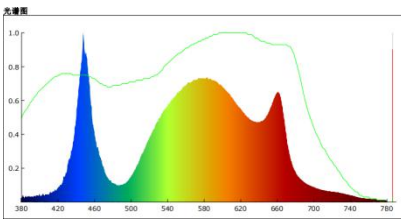
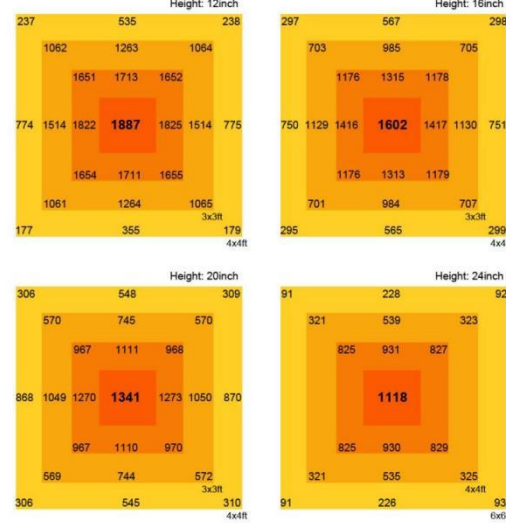
### AGL-800W-MA02



### AGL-800W-MB02

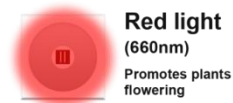


### AGL-800W-MC02



## 8. Led Ratio

### AGL-800W-MA02



### AGL-800W-MB02



### AGL-800W-MC02

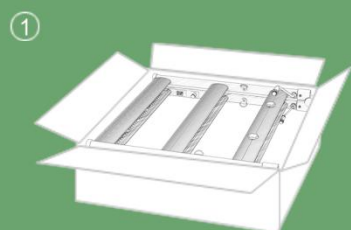




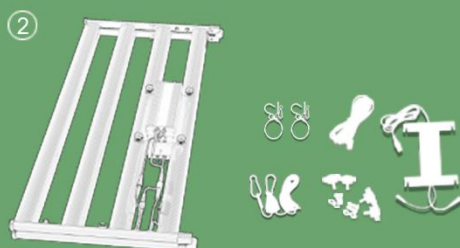
## 9. Application



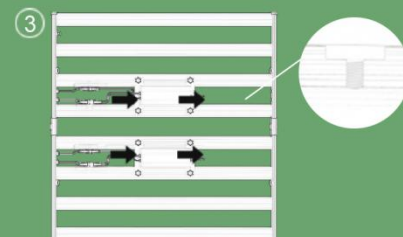
## 10. Installation Steps



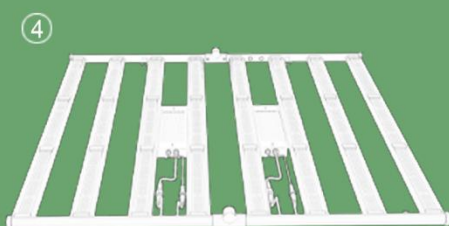
Unboxing



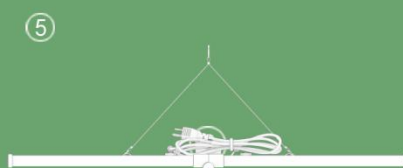
Lamp and accessories



180° unfolding plant lamp



Install the driver



Hang light with packed hanger



Plug to power on the lamp