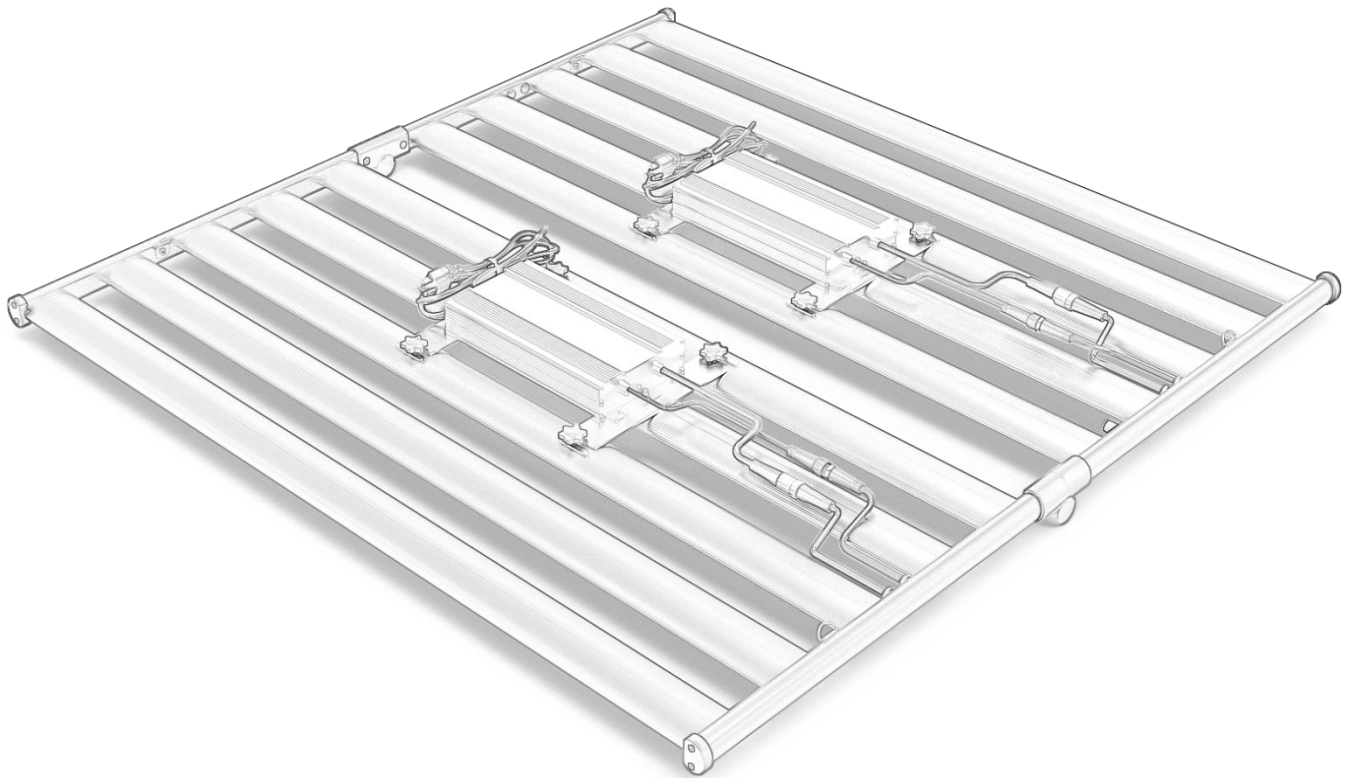


PRODUCT SPECIFICATION

AGL-1000W



1. Product Specification

AGLEX®

Actual Power: 1000w±5%

Materials: Aluminum

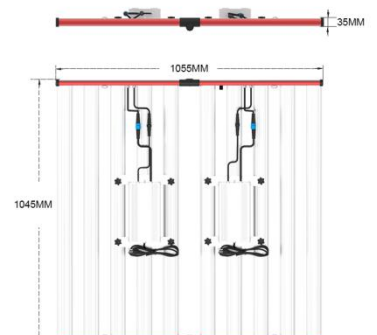
Perfect Coverage: 6x6ft@16"

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

Item Weight: 31.96 lbs. (10.7KG)

Lifespan:>50000 Hours

Product size drawing
1054x1045x35mm



■ 2. Product Introduction

| Model Number | AGL-1000W-MA02 | AGL-1000W-MC02 |
|-----------------------|--|---|
| Input Voltage | AC100-277V / 50-60HZ | AC100-277V / 50-60HZ |
| Input Wattage | 1000W±5% | 1000W±5% |
| Amp | AC120V-8.33A/ AC220V-4.45A | AC120V-8.33A/ AC220V-4.45A |
| LED Quantity | SMD 3030--2880 pcs in total | Samsung Im301B+Osram--3600pcs in total |
| Led Ratio | 2400 pcs White (4000K) 440 pcs Red (650-660nm) 40 pcs IR (730-740nm) | 3480 pcs Samsung Im301B-4000K 120 pcs Red 660nm |
| Lamp Size (MM) | 1055 x 1050 x 88 | 1055 x 1050 x 88 |
| N.W. (KG) | 14.5 | 14.5 |
| Carton Size (CM) | 110×60×17 (1 per carton) | 110×60×17 (1 per carton) |
| G.W. (KG) | 19 | 19 |
| Dimming Signal | 0-10V | 0-10V |
| Dimming Level | 25%、50%、75%、100% | 25%、50%、75%、100% |
| PPF (μmol/s) | 2700 | 2900 |
| PPE (μmol/j) | 2.7 | 2.9 |
| Radiation Flux (mW) | 200270.0 | 231204.82 |
| Luminous Flux (lm) | 657458.31 | 740305.06 |
| LED Driver | 2 pcs UL driver | 2 pcs UL driver |
| THD | ≤20% | ≤20% |
| Power Factor | 0.99 | 0.99 |
| Operating Temperature | (-20℃~+40℃) | (-20℃~+40℃) |
| Lifespan (Hours) | 50,000 | 50,000 |
| AC Power Cable | UL 3*18AWG | UL 3*18AWG |
| Contents | Adjustable Hanging Rope、 RJ11signal wire-2m Stainless Hangers | Adjustable Hanging Rope、 RJ11signal wire-2m Stainless Hangers |
| Warranty | 3years | 3years |

3. Product Features



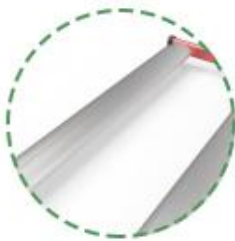
Daisy Chain Function

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, 2.9 μ mol/J PPE

BEST COMMERCIAL LED GROW LIGHT SOLUTIONS

Replace traditional HPS HID CMH grow lights with eco price



4. Product Test Data

AGL-1000W-MA02

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

1000W-MA-100%

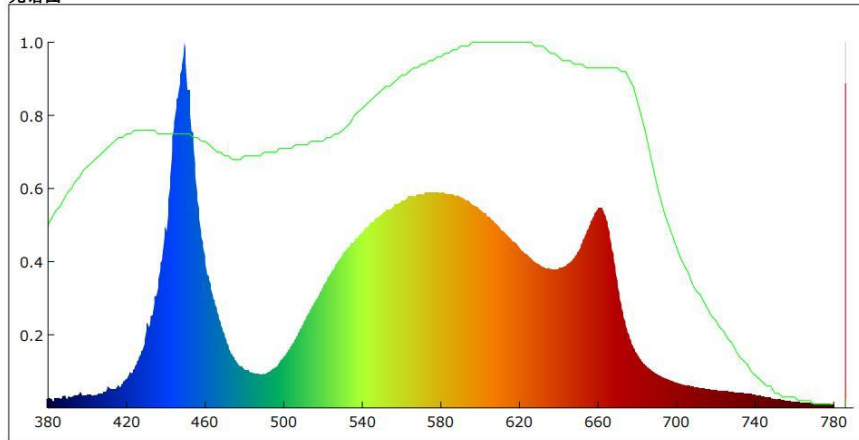
产品标识

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℃ 环境温度: 0.0℃ 环境湿度: 65%
测试员: 测试日期: 2021-09-24

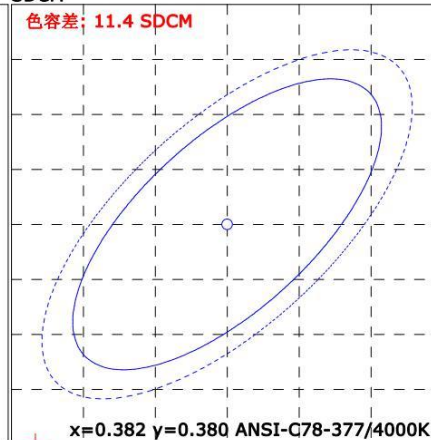
参数列表

| 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) | 200270.0 | 半宽度(nm) | 16.9 | PPFfr(umol/s) | 97.60 |
| 辐射通量(mW) | 657458.31 | 峰值波长(nm) | 450.1 | PPE(umol/J) | 2.7 |
| 相关色温(K) | 4154 | 中心波长(nm) | 449.8 | Euv(mW) | 3657.49 |
| 黑体偏离Duv | -0.00950 | 质心波长(nm) | 562.9 | Eb(mW) | 153016.34 |
| 坐标x,y | 0.3685,0.3498 | 光通量色比(RGB) | 17.4,80.3,2.3 | Eg(mW) | 275074.59 |
| 坐标u,v | 0.2281,0.3249 | CIE1931 X | 307594.750 | Er(mW) | 209687.95 |
| 坐标u',v' | 0.2281,0.4873 | CIE1931 Y | 292048.438 | Efr(mW) | 16022.16 |
| 色容差 | 11.44 | CIE1931 Z | 235140.906 | 电压(V) | 226.2 |
| 显色指数Ra | 77.1 | PPF(umol/s) | 2700.0 | 电流(A) | 4.488 |
| Qa | 0.0 | PPFuv(umol/s) | 11.95 | 功率(W) | 1000.0 |
| 明暗视觉比S/P | 1.593 | PPFb(umol/s) | 578.10 | 功率因数 | 0.981 |
| 主波长(nm) | 587.40 | PPFg(umol/s) | 1283.29 | 光效(lm/W) | 200.27 |
| 色纯度(%) | 15.5 | PPFr(umol/s) | 1122.72 | | |

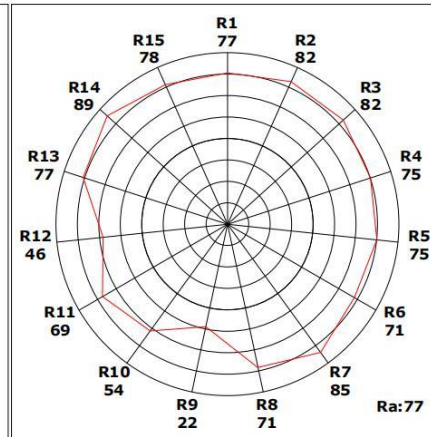
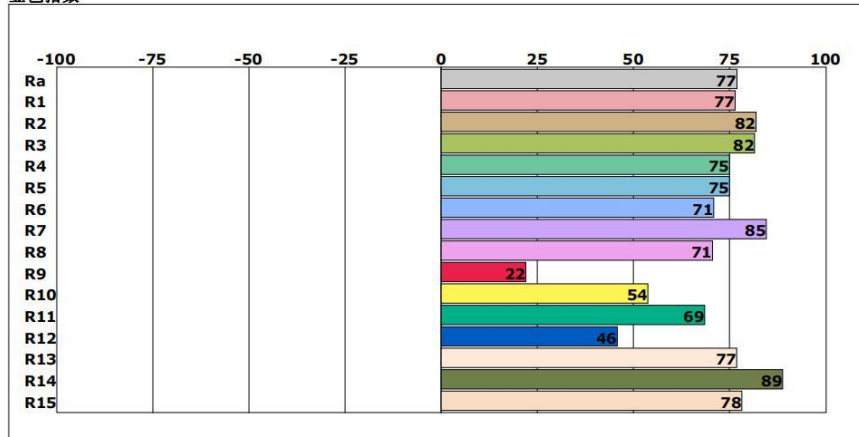
光谱图



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: 1.695ms 峰值信号: 58141 暗电压: 1368

Remark: 深圳市亚美瑞科技有限公司

4. Product Test Data

AGL-1000W-MC02

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

1000W-MC-100%

产品标识

产品型号:
球内温度: 0.0°C
测试员: YW

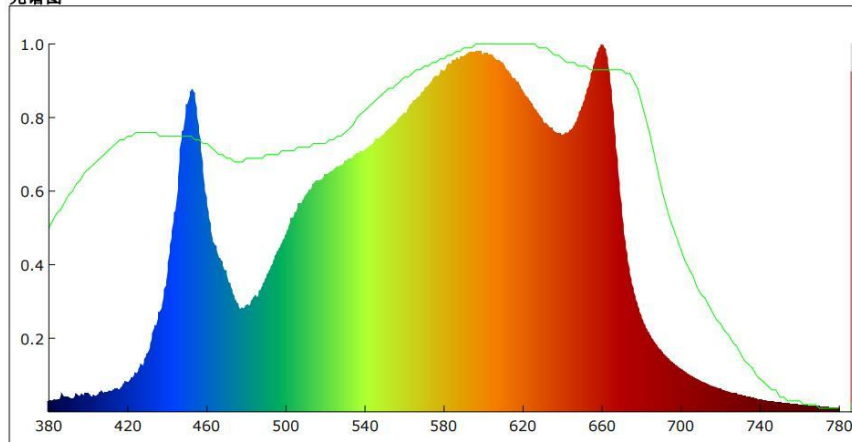
制造厂商: 深圳市亚美瑞科技有限公司
环境温度: 0.0°C
测试日期: 2021-06-25

环境湿度: 65%

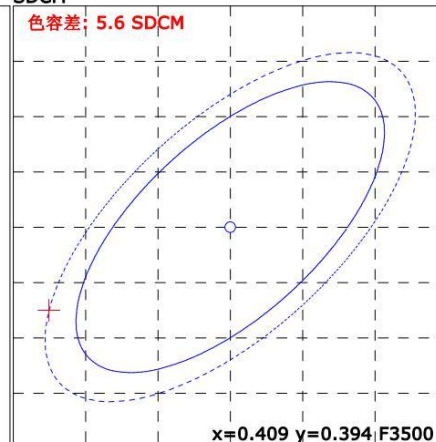
参数列表

| 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) | 231204.82 | 半宽度(nm) | 170.1 | PPFfr(umol/s) | 85.28 |
| 辐射通量(mW) | 740305.06 | 峰值波长(nm) | 660.4 | PPE(umol/J) | 2.9 |
| 相关色温(K) | 3652 | 中心波长(nm) | 586.4 | Euv(mW) | 3455.35 |
| 黑体偏离Duv | 0.00036 | 质心波长(nm) | 571.4 | Eb(mW) | 136866.78 |
| 坐标x,y | 0.3975,0.3875 | 光通量色比(RGB) | 20.0,77.8,2.2 | Eg(mW) | 313893.56 |
| 坐标u,v | 0.2319,0.3392 | CIE1931 X | 344816.563 | Er(mW) | 272039.44 |
| 坐标u',v' | 0.2319,0.5087 | CIE1931 Y | 336147.188 | Efr(mW) | 14049.79 |
| 色容差 | 5.58 | CIE1931 Z | 186571.703 | 电压(V) | 225.5 |
| 显色指数Ra | 88.5 | PPF(umol/s) | 2902.32 | 电流(A) | 4.493 |
| Qa | 0.0 | PPFuv(umol/s) | 11.29 | 功率(W) | 1000.8 |
| 明暗视觉比S/P | 1.622 | PPFb(umol/s) | 527.16 | 功率因数 | 0.981 |
| 主波长(nm) | 580.20 | PPFg(umol/s) | 1458.08 | 光效(lm/W) | 231.02 |
| 色纯度(%) | 35.6 | PPFr(umol/s) | 1454.56 | | |

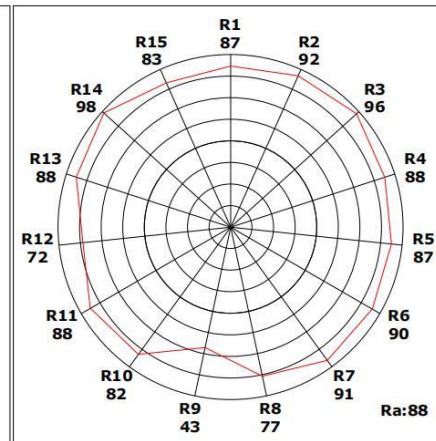
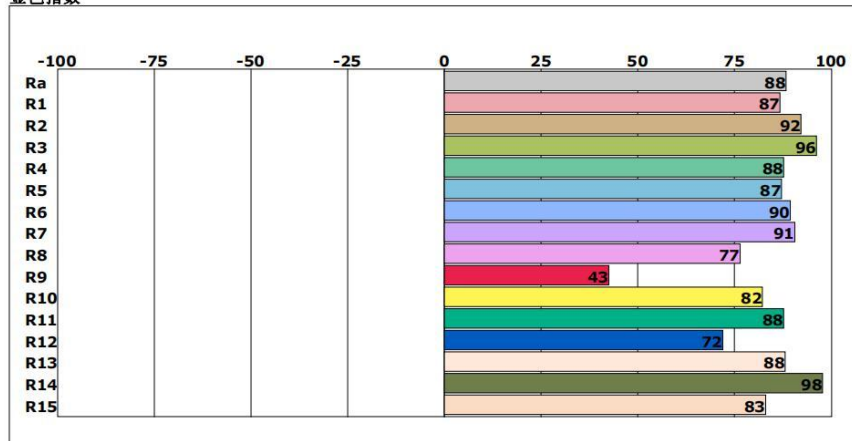
光谱图



SDCM



显色指数



仪器状态


仪器型号: HPS2000
积分时间: 1.439ms

仪器编号: 2008012
峰值信号: 60621

波长范围: 380-780nm
暗电压: 1534

Remark: 深圳市亚美瑞科技有限公司

5. Certification



intertek
INTEGRATED APPROVAL

AUTHORIZATION TO MARK


This authorizes the application of the Certification Mark(s) shown below in the models described in the Product(s) Covered section when 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 transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

| | |
|---|--|
| <p>Applicant: Shenzhen Ameri Technology Co. Ltd.</p> <p>Address: 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong</p> <p>Country: China</p> <p>Contact: Jinyu Huang</p> <p>Phone: 13603001672</p> <p>FAX: NA</p> <p>Email: jyh@ameri.com</p> | <p>Manufacturer: Shenzhen Ameri Technology Co. Ltd.</p> <p>Address: 4/F, Building 4, Zhenhui Industrial Zone, #118 Changzhen Road, Yutang Street, Guangming District, Shenzhen City, Guangdong</p> <p>Country: China</p> <p>Contact: Jinyu Huang</p> <p>Phone: 13603001672</p> <p>FAX: NA</p> <p>Email: jyh@ameri.com</p> |
|---|--|

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

Control Number: 6521033 **Authorized by:** [Signature] for L. Matthew Shyden, Certification Manager




This document supersedes all previous Authorizations to Mark for the control Report Number.

Intertek Testing Services NA Inc.
 3445 Riverchase Road, Arlington Heights, IL 60016
 Telephone: 815-345-1100 or 847-439-5007 Fax: 815-345-1127

| |
|--|
| Luminaires [E: 1505-2021 Ed. 5] |
| Standards: Luminaires [CSA C22.2/250.0-0221 Ed. 0] |
| Product: Horticultural Lighting Equipment and Systems [ANSI CANUL 8809:2015 Ed. 1] |
| Models: AGL-240W MC, AGL-320W MC, AGL-400W MC, AGL-600W MC, AGL-800W MC, followed by 01, 02 or 03. |

ATM Report 210500036576-001 Page 1 of 1 ATM Issued: 7 Jul 2021



Global United Technology Services Co., Ltd.

Report No. GTS2021C70C0085F01

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

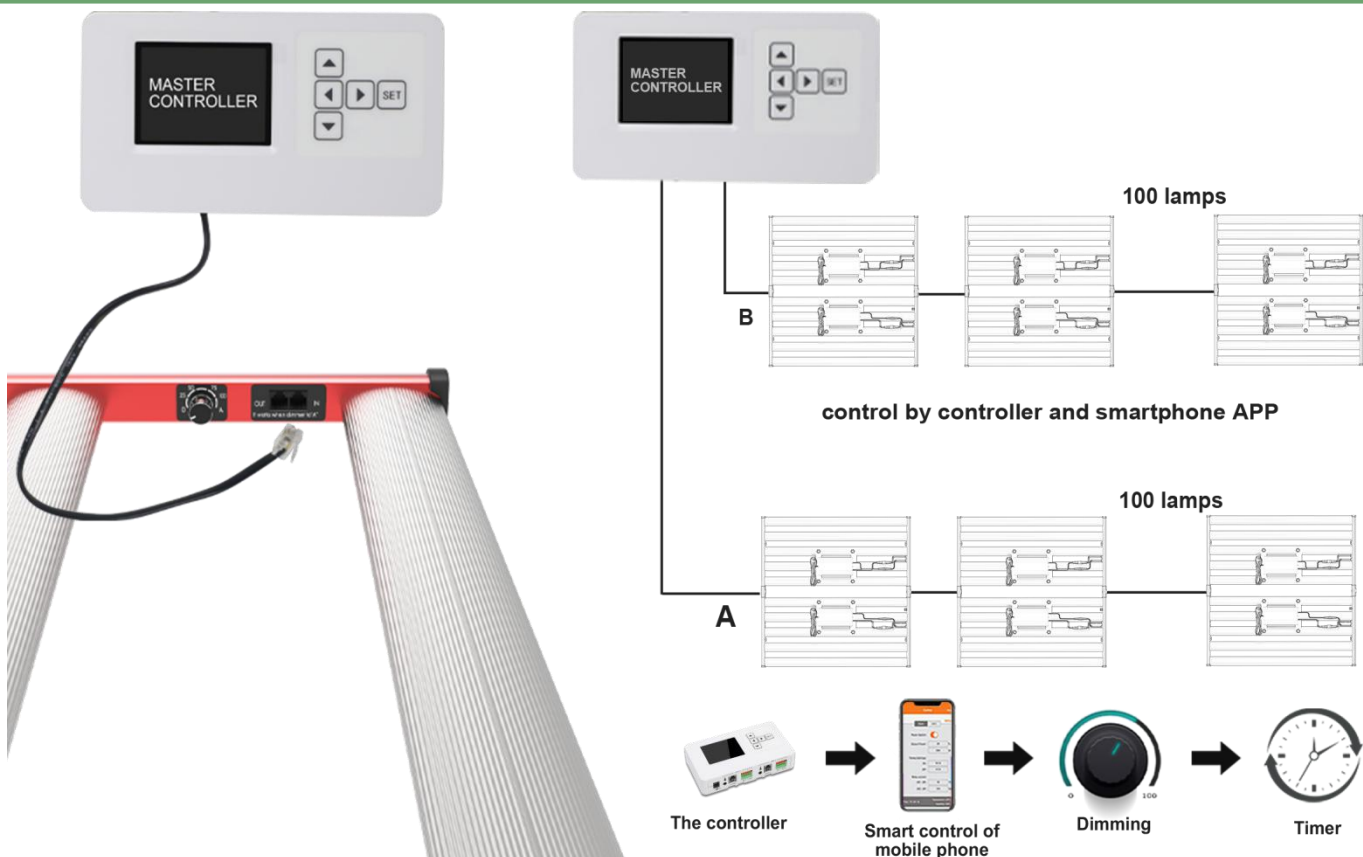
Date of Test: July 08-14, 2021

Date of report issued: July 15, 2021

Test Result: Pass*

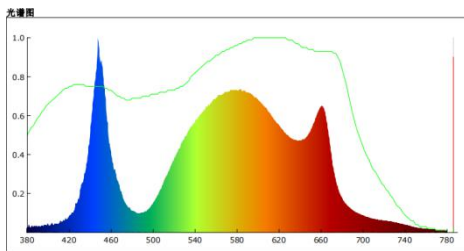
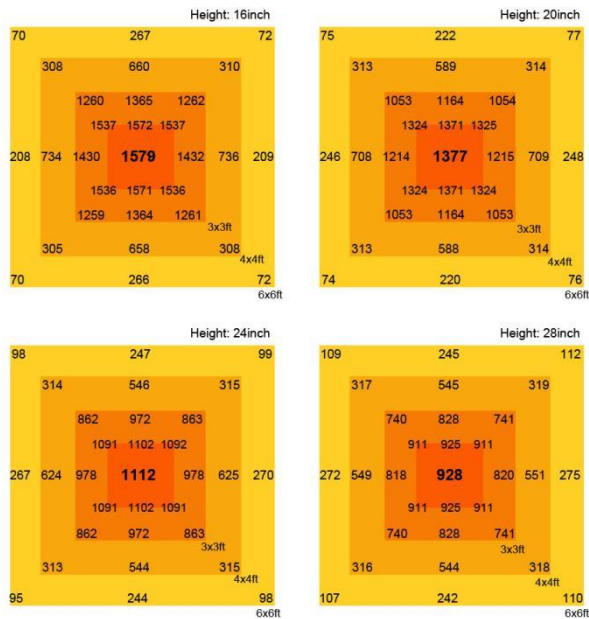
* In the configuration tested, the EUT complied with the standards specified above.

6. Daisy Chain Function

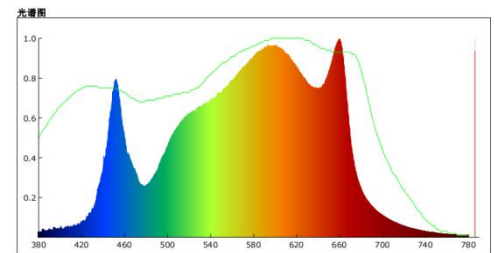
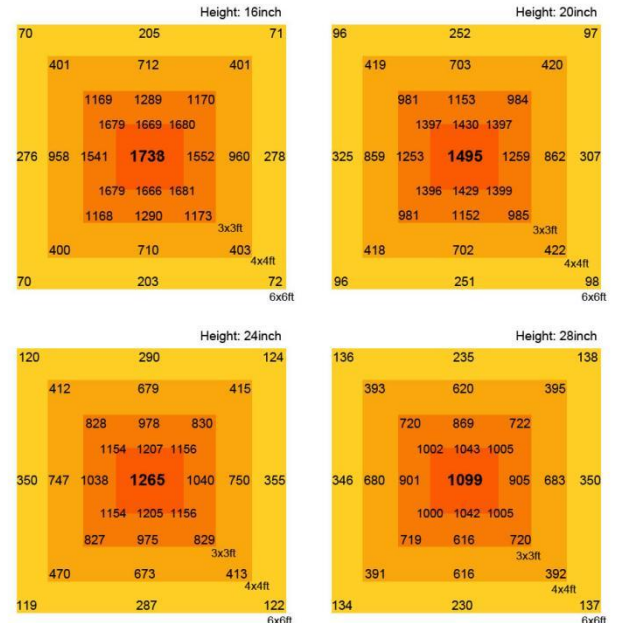


7. Spectrum

AGL-1000W-MA02

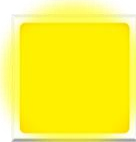


AGL-1000W-MC02



8. Led Ratio

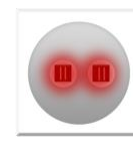
AGL-1000W-MA02



Warm white
(4000K)
Boosts plants
vegging



Red light
(660nm)
Promotes plants
flowering



Infrared light
(740nm)
Promotes plants
flowering

AGL-1000W-MC02

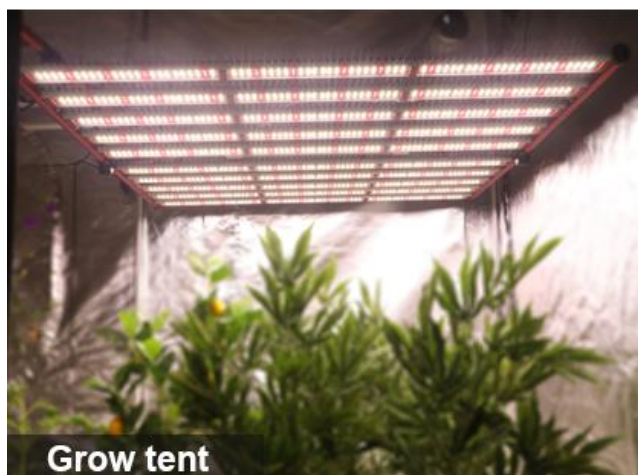


White Light
(4000K)-SAMSUNG



Red Light
(660nm)-OSRAM

9. Application



Grow tent

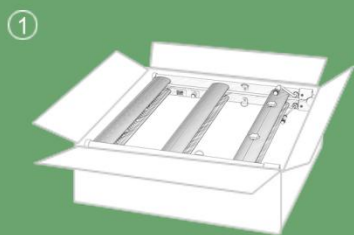


Vertical farming

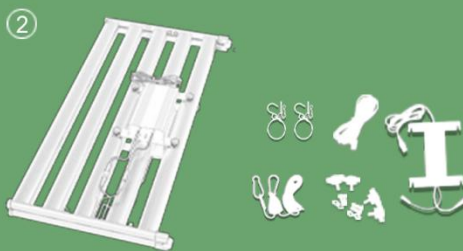


Greenhouse planting

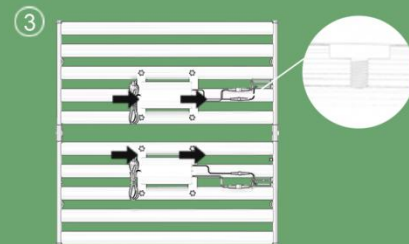
10. Installation Steps



Unboxing



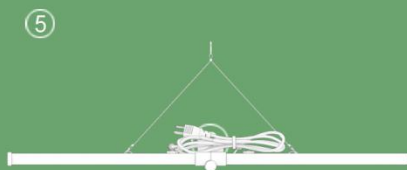
Lamp and accessories



180° unfolding plant lamp



Install the driver



Hang light with packed hanger



Plug to power on the lamp