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**E-FUJII VIETNAM CO., LTD**

**E-FUJII GROW LIGHT CATALOGUE 2021**



**LED GROW LIGHT**  
**2021-2022**

# ABOUT AIKOGROW

Aikogrow is a brand of Aiko Lighting Company, providing growers with a full range of innovative horticulture lighting solutions, from seedling to harvest, from indoor to greenhouse, vertical and beyond. We help you unlock the true genetic potential of your plants and aspire to horticulturalists worldwide with our revolutionary agriculture solutions. We also have a custom solution tailored to your needs and your business.

AIKO is a world-class brand, with its R&D team in Los angels and manufacturing base in Shenzhen. It has been focusing on high power lighting for 11 years, especially in the sports lighting industry and its manufacturing base is well- equipped, ISO9001 and ISO14001 approved. Through years of experimentation, Aikogrow has exported the grow lights to many countries around the world, like the U.S, Canada, Netherlands, Australia.

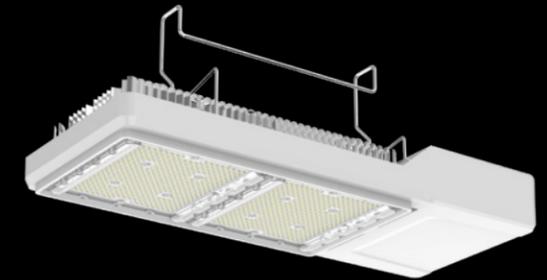
For the best and fastest service, AIKOGROW cooperates with a local facility of 60,000 sq.ft in L.A and has an inventory available. "AIKOGROW, MAKES YOUR PLANTS LOVE GROWING". We are committed to delivering the most cutting edge technology with the highest quality of light while meeting and exceeding energy efficiency standards, all to improve our customers' bottom line.

# PRODUCT PRODUCT GUIDE



### Model F3-Pro

The MF3 Series LED grow light is the best choice for vertical farming. It's often constructed with 6, 8 or 10 bars.



### Model H2

The MH2 Series LED grow light is a revolutionary new and direct replacement for 1000w HPS grow lighting.



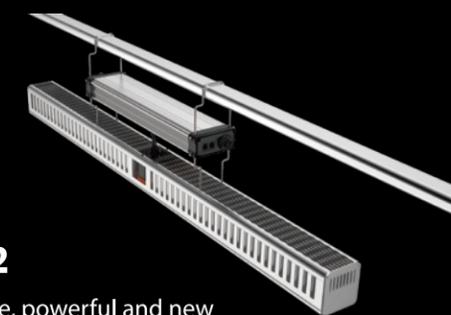
### Model H1

The MH1 Series LED grow light is the first generation of 1:1 replacement for HPS fixtures. It uses detachable power supply for easy maintenance.



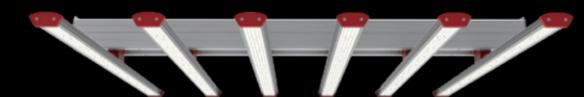
### Model F4-Se

The MF4 Series LED grow light, with the driver built-in and folding design, is often used in indoor farms.



### Model ML2

Being shadow-free, powerful and new spectra, the ML2 top light features market-leading efficacies and high light output.



### Model MS4

The MS4 Series LED grow light adopts patented "Plug & play" structure to save you more shipping and labor cost.

# APPLICATION

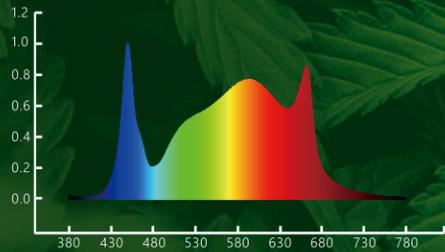


## UNLOCK THE TRUE GENETIC POTENTIAL OF YOUR PLANTS

We use data, science and technology to bring forward the future of plant production. Our comprehensive grow solutions have been developed with one mission in mind: to assist our customers in achieving the highest quality, consistency, and yield, and at the lowest possible cost.



# LED ADVANTAGES



## Sunlike Spectrum

Optimized Sunlike full spectrum design, suitable for all phases of plant growth and production including vegetative, flowering.



## Long Lifespan

The lifetime of LED grow lights can reach as many as 54,000 hours, with less light decay in five years, free maintenance



## More Energy Saving

Normally LED grow lights come in lower wattage, a retrofit for 1000W or 1200W HID. Moreover, the coverage under LED lights is 2 to 4 times as big as HID fixtures.



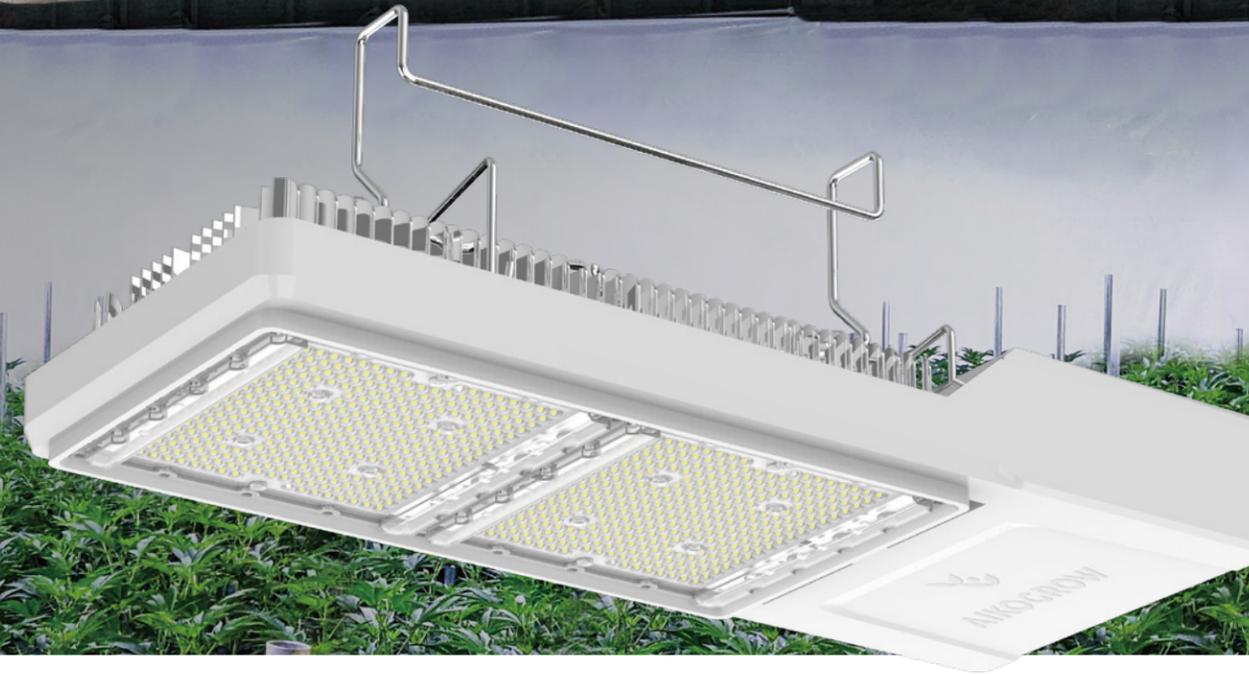
## Increasing Yield

The yield record from our customers is 2,8-3.2 lbs per light. Generally, it only takes 3 months for a cycle. Growers can harvest much more.

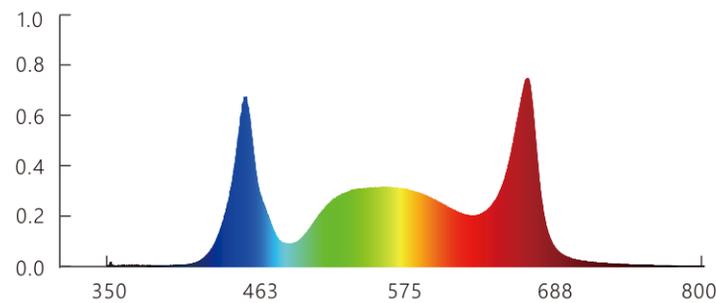
# MODEL H2

## 1:1 HPS Replacement

The MH2 Series LED grow light is a revolutionary new and direct replacement for 1000w HPS grow lighting. It is the only highly energy efficient LED delivering serious growing power, and it's also designed to deliver the performance growers expect from an HPS.



## Relative Spectrum



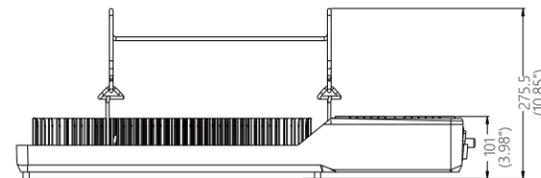
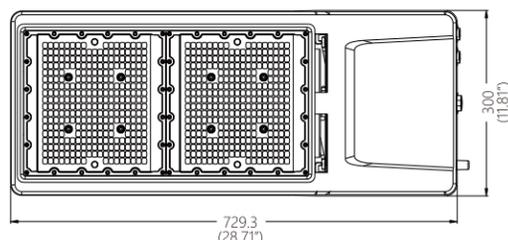
### FUNCTIONAL



### APPLICATION



## DIMENSION(mm/inch)



## Product Specification



Power	780W	Thermal management	Passive cold-froged AL heatsink
Light source	SEOUL SMD3535	Heat load	2700 btu/hr
PPF	1950 $\mu\text{mol/S}$	Ambient temp.	32-131°F (0-55°C)
Light efficacy	2.5 $\mu\text{mol/J}$	External control signal	0-10V dimming
Input voltage	AC120-277V & 200-480V	Mounting height	$\geq 6''$ Above canopy
Amperage	6.6-2.9A	Coverage	4 x 6ft
Fixture dimensions	28.71 x 11.81 x 3.98in	Lifetime	Q90: >54,000 hrs
AC power cord	8" (2.4m) with NEMA 5-15P, 6-15P	IP rated	IP66
PF	$\geq 0.95$	Gross weight	36.38 lbs (16.5 kg)

Powered by

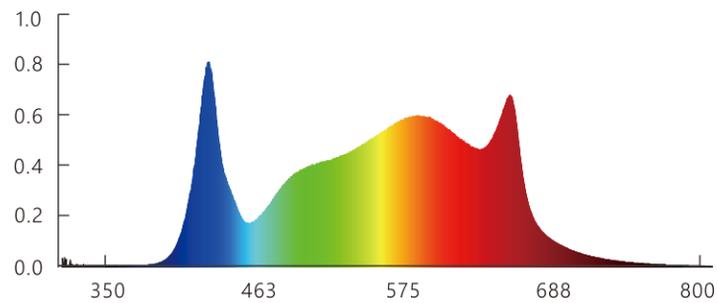


# MODEL F3

MF3-Pro LED grow lights are powered by Samsung and Osram diodes. It is a modular, highly efficient LED designed for vertical farming. The slim and folding design make the light perfectly fit in vertical farming. There are 6, 8 and 10 bars available for vertical rack.



## Relative Spectrum



### FUNCTIONAL



### APPLICATION



## Product Specification

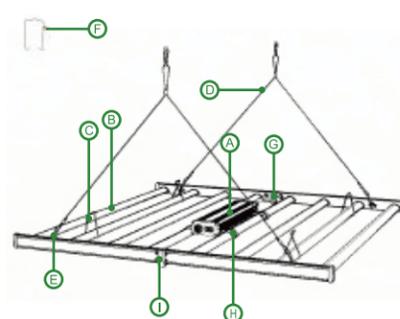
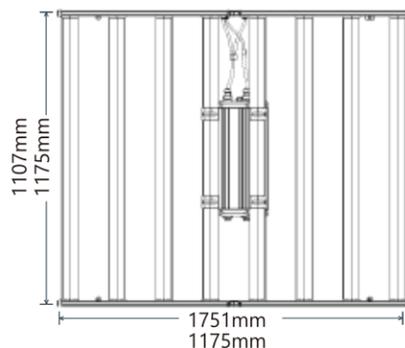


Power	1000W, 770W, 650W	Light distribution	120°
Light source	Samsung and OSRAM	Thermal management	Passive
PPF	2600 μmol/S	Ambient temp.	32-95°F (0-35°C)
Light efficacy	2.6 μmol/J	External control signal	0-10V dimming
Input voltage	AC110-277V	Mounting height	≥ 6" Above canopy
Amperage	9.1A-3.6A	Coverage	4 x 6ft
Fixture dimensions	1751 x 1175 x 78mm (4 x 6ft)	Lifetime	Q90: >54,000 hrs
Driver brand	SOSEN	IP rated	IP65
PF	≥0.97	Gross weight	29.54 lbs (13.4 kg)

\* The data are based on 1000W. For more info, please contact your sales rep.

Powered by **OSRAM** **SAMSUNG**

## DIMENSION(mm)

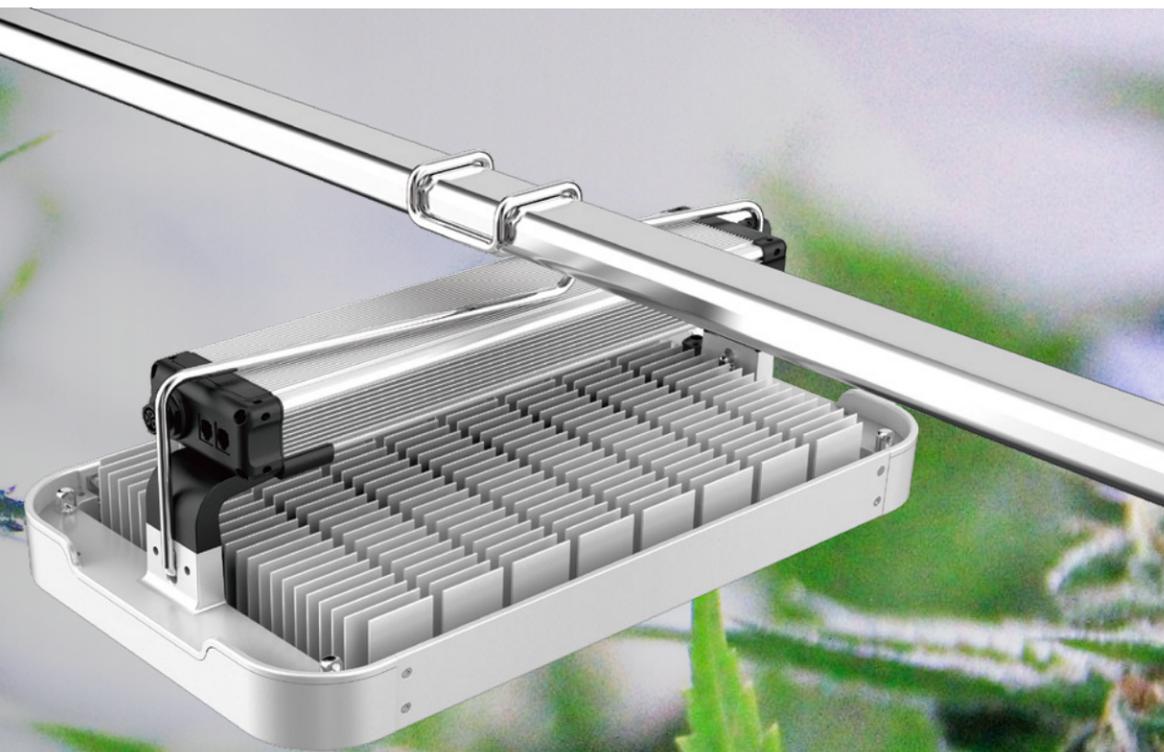


- (A) LED drivers
- (B) LED bars
- (C) Solid Decking Mount
- (D) Lance Hanger
- (E) Ring Screw
- (F) Waterfall Mount
- (G) Input Power Cord
- (H) Power Support
- (I) Interconnect cable

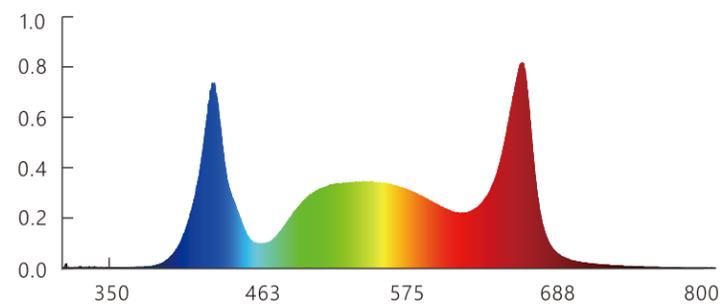
# MODEL H1

## 1:1 HPS Replacement

The MH1 Series LED grow light is designed to replace the traditional HID lights. It's often applied in green houses because it's compact and shadow-free. The LED grow light is compatible with wiring and electrical requirements for most indoor growing environments and is able to dramatically limit the cost and downtime required to convert facilities of every size.



## Relative Spectrum



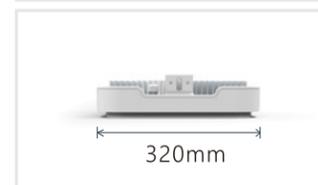
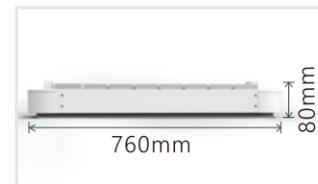
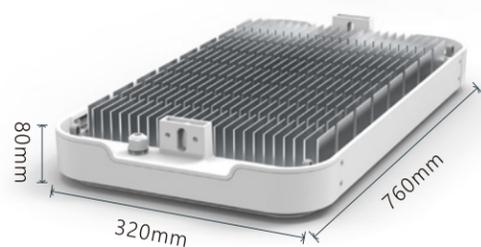
### FUNCTIONAL



### APPLICATION



## DIMENSION(mm/inch)



## Product Specification



Power	600W	Light distribution	120°
Light source	Samsung and OSRAM	Thermal management	Passive
PPF	1560 $\mu\text{mol}/\text{S}$	Ambient temp.	32-95°F (0-35°C)
Light efficacy	2.6 $\mu\text{mol}/\text{J}$	External control signal	0-10V dimming
Input voltage	AC110-277V	Mounting height	$\geq 6"$ Above canopy
Amperage	5.45A-2.16A	Coverage	4 x 4ft
Fixture dimensions	760 x 320 x 80mm	Lifetime	Q90: >54,000 hrs
Driver brand	SOSEN	IP rated	IP65
PF	$\geq 0.97$	Gross weight	41.66 lbs (18.9 kg)

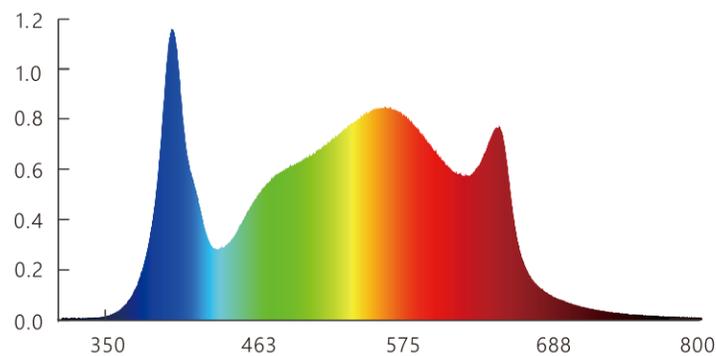
Powered by **OSRAM** **SAMSUNG**

# MODEL F4

The Model MF4-Se LED grow lighting uses full spectrum for full cycle growth, especially designed for professional growers to push the envelope with high FFPD cultivation practices. The folding structure with built-in drivers allows users not only to save shipping cost but also easily mount the light in a vertical rack.



## Relative Spectrum



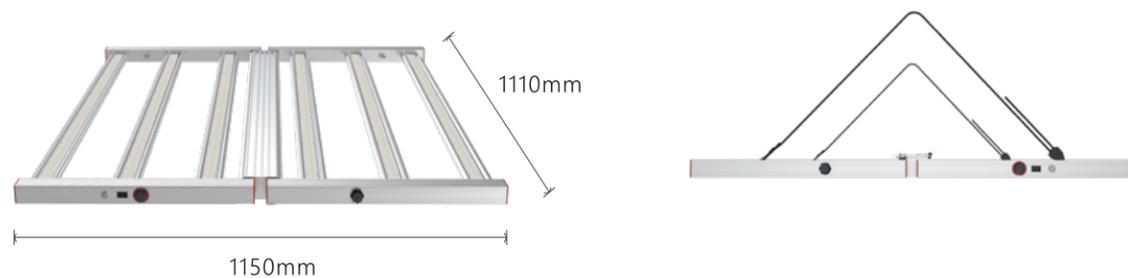
### FUNCTIONAL



### APPLICATION



## DIMENSION(mm/inch)



## Product Specification



Power	960W, 720W, 660W	Light distribution	120°
Light source	Epistar SMD3030	Thermal management	Passive
PPF	2688 $\mu\text{mol}/\text{S}$	Ambient temp.	32-90°F (0-32°C)
Light efficacy	2.8 $\mu\text{mol}/\text{J}$	External control signal	0-10 V-source
Input voltage	AC120-277V	Mounting height	$\geq 6''$ Above canopy
Amperage	9.1A-3.6A	Coverage	5 x 5ft
Fixture dimensions	1150 x 1110 x 78mm	Lifetime	Q90: >54,000 hrs
Driver brand	SOSEN	IP rated	IP54 /Damp location
PF	$\geq 0.97$	Gross weight	43.43 lbs (19.7 kg)

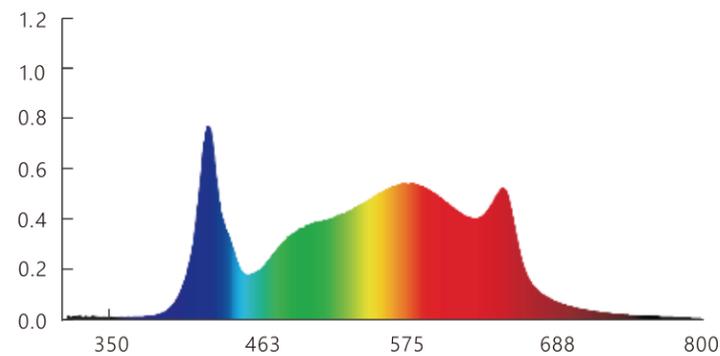
\* The data are based on 960W. For more info, please contact your sales rep.

Powered by **EPISTAR** **MW**  
MEAN WELL

# MODEL L2

The ML2 Top light offers growers with the choice of spectrum, helping maximize crop growth in greenhouse and indoor settings while balancing with energy efficiency and human work environment. Expect high quality, reliable crop yields and sustainable control over your result. With the best thermal management technology, the ML2 top light features market-leading efficacies and high light output, helping reduce the fixture count and system cost per lit area to accelerate the adoption of LED horticulture lighting.

## Relative Spectrum



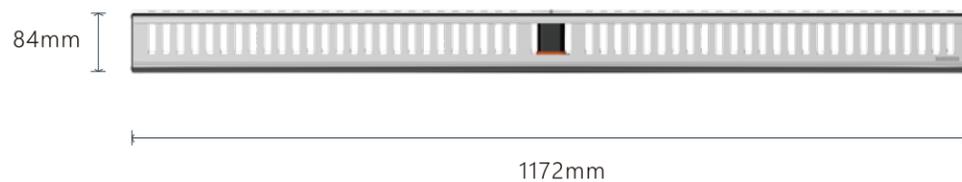
### FUNCTIONAL



### APPLICATION



## DIMENSION(mm/inch)



## Product Specification



Power	600W	Light distribution	120°
Light source	Samsung and OSRAM	Thermal management	Passive
PPF	1560 μmol/S	Ambient temp.	35°C/95°F
Light efficacy	2.6 μmol/J	External control signal	0-10V knob dimming
Input voltage	AC110-400V	Mounting height	>6" above canopy
Amperage	5.5A-1.5A	Coverage	4 x 6 ft
Fixture dimensions	1172 x 84 x 84mm	Lifetime	Q90: >54000 hrs
Driver brand	SOSEN	IP rated	IP66
PF	≥0.97	Gross weight	21.6 lbs (9.8 kg)

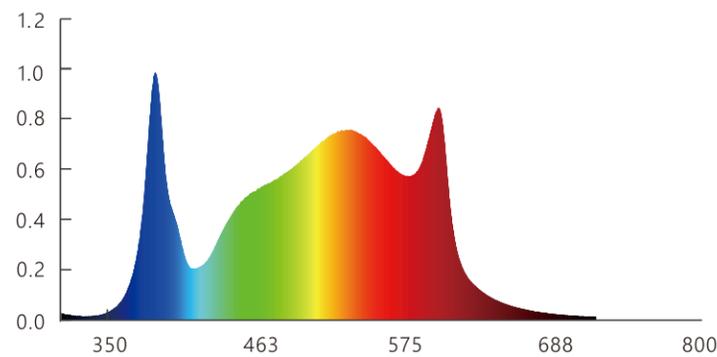
Powered by **OSRAM** **SAMSUNG**

# MODEL S4

MS4 Series LED grow lighting fixture, constructed with the patented "Plug & Play" bar configuration, provides growers with an easy assembly and evenly intensity growth environment, flexibly used in indoor farms.



## Relative Spectrum



### FUNCTIONAL



### APPLICATION



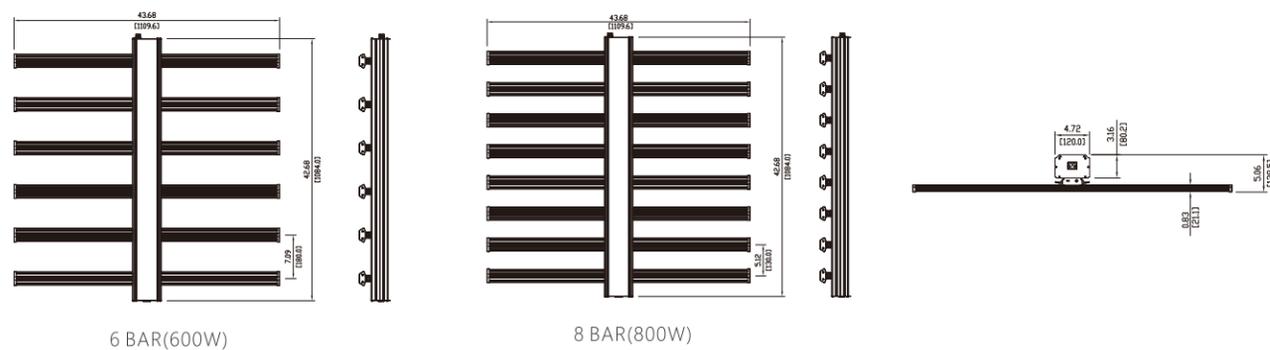
## Product Specification



Power	800W, 600W	Light distribution	120°
Light source	Epistar SMD3030 White/3535 Red	Thermal management	Passive
PPF	2160 $\mu\text{mol/S}$	Ambient temp.	32-113°F (0-45°C)
Light efficacy	2.7 $\mu\text{mol/J}$	External control signal	0-10V knob dimming
Input voltage	AC120-277V	Mounting height	$\geq 6"$ Above canopy
Amperage	6.67A-2.89A	Coverage	5 x 5ft
Fixture dimensions	1084 x 1110 x 128mm	Lifetime	Q90: >54,000 hrs
Driver brand	MEANWEL	IP rated	Indoor damp location use only
PF	$\geq 0.95$	Gross weight	32.07 lbs (14.55 kg)

\* The data are based on 800W. For more info, please contact your sales rep.

## DIMENSION(mm/inch)

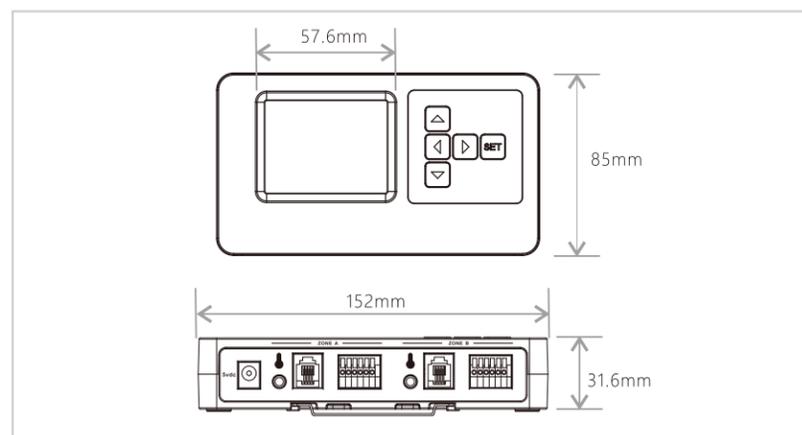


# MASTER CONTROLLER



## LED GROW LIGHT CONTROL SYSTEM

The master controller is designed to make your lighting system smarter and more convenient to manage your growing. It's easy and safe to install. There are temperature and humidity sensors coming with the controller, so you can set AUTO shutdown at certain temperature or humidity.



**FUNCTIONAL**

- Smartphone icon
- Shield icon with '3'
- Lightning bolt icon with 'DC12V'

### Connection Diagram

