

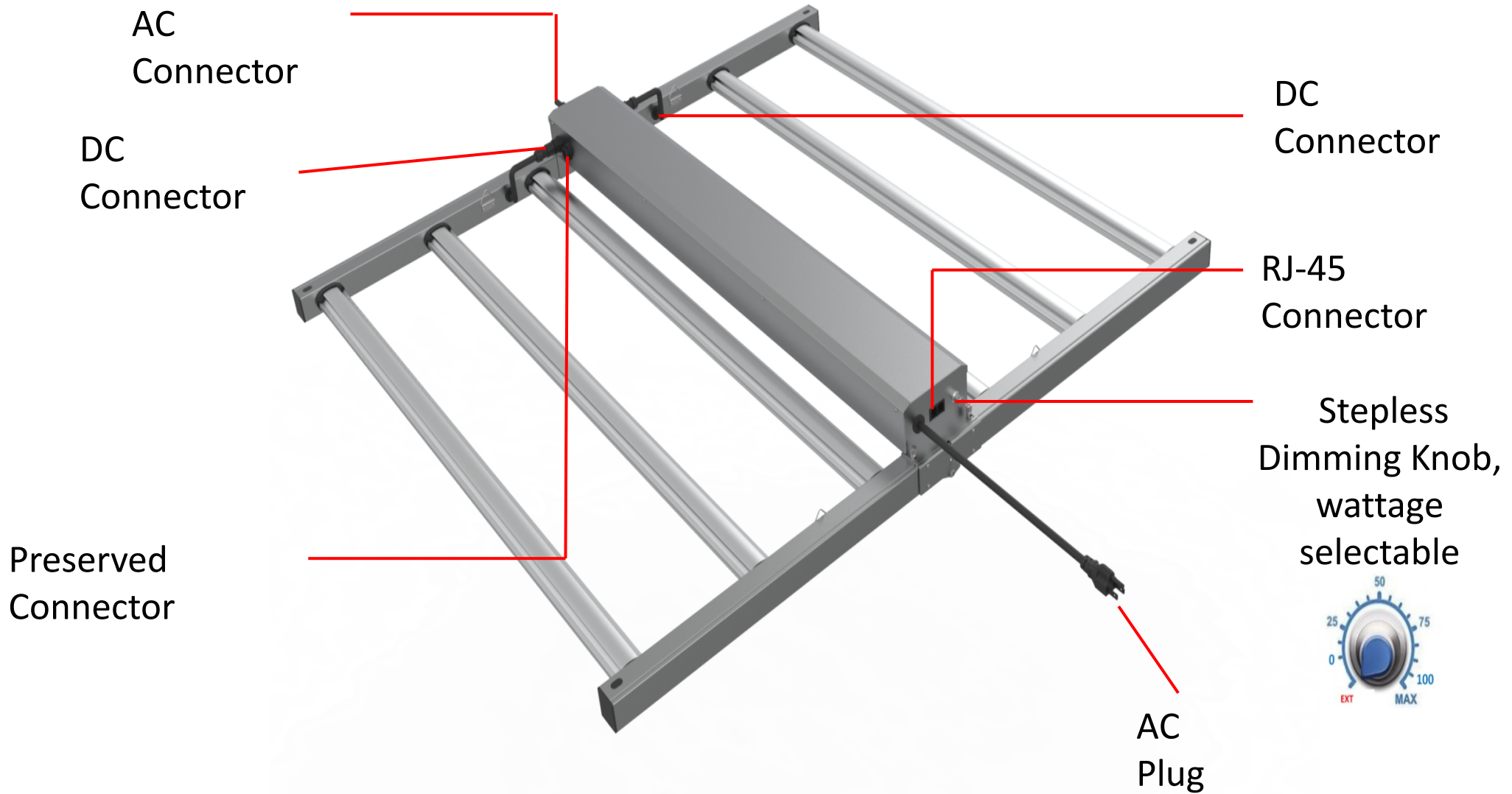
GLS2

660W

GROW LIGHTS



## GLS2 Grow lights

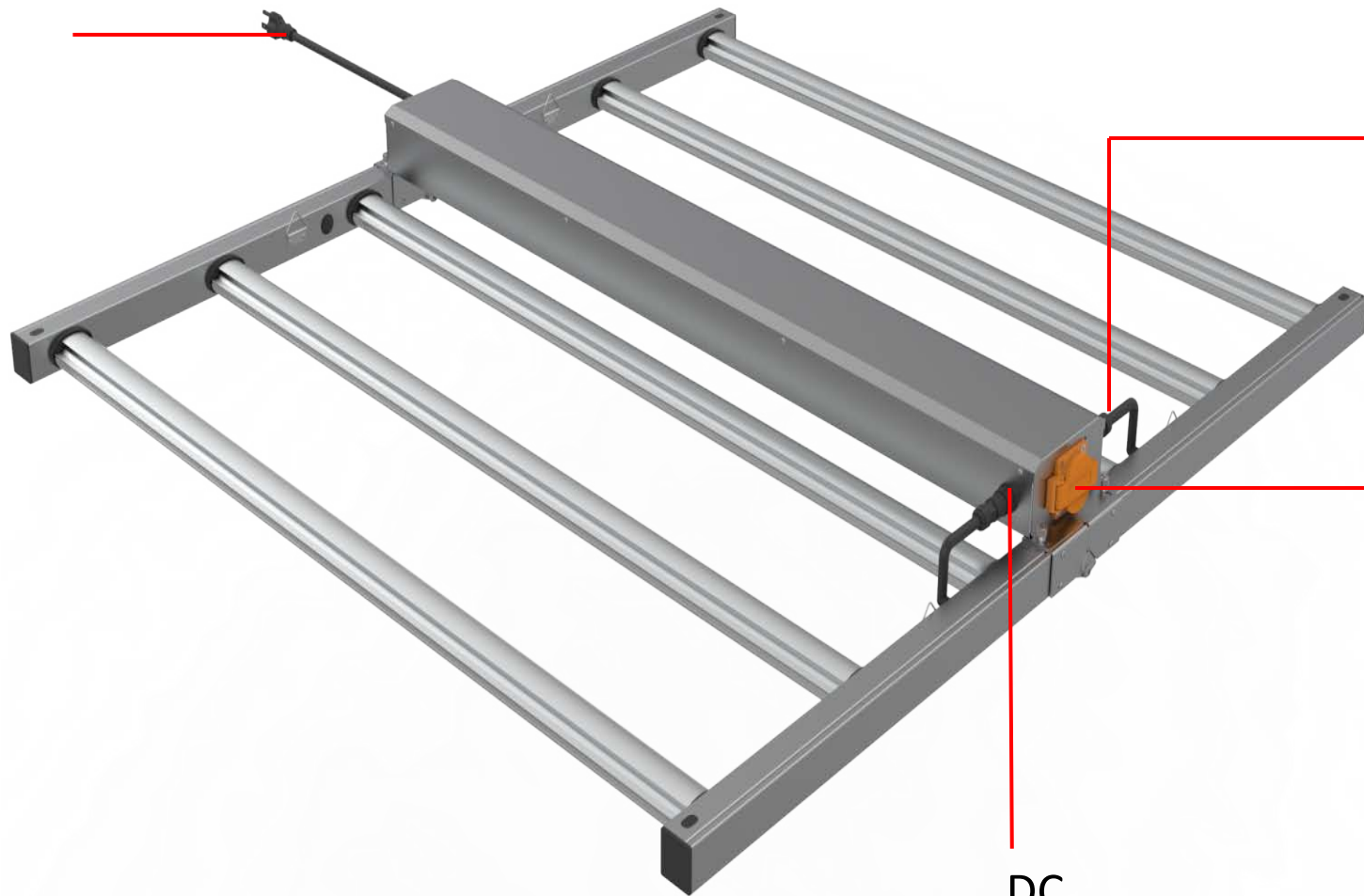




## GLS2 Grow lights

Reserved AC parallel connector on the right side of the light for connecting multiple lights in parallel with an AC plug.

AC Input  
Plug



DC  
Connector

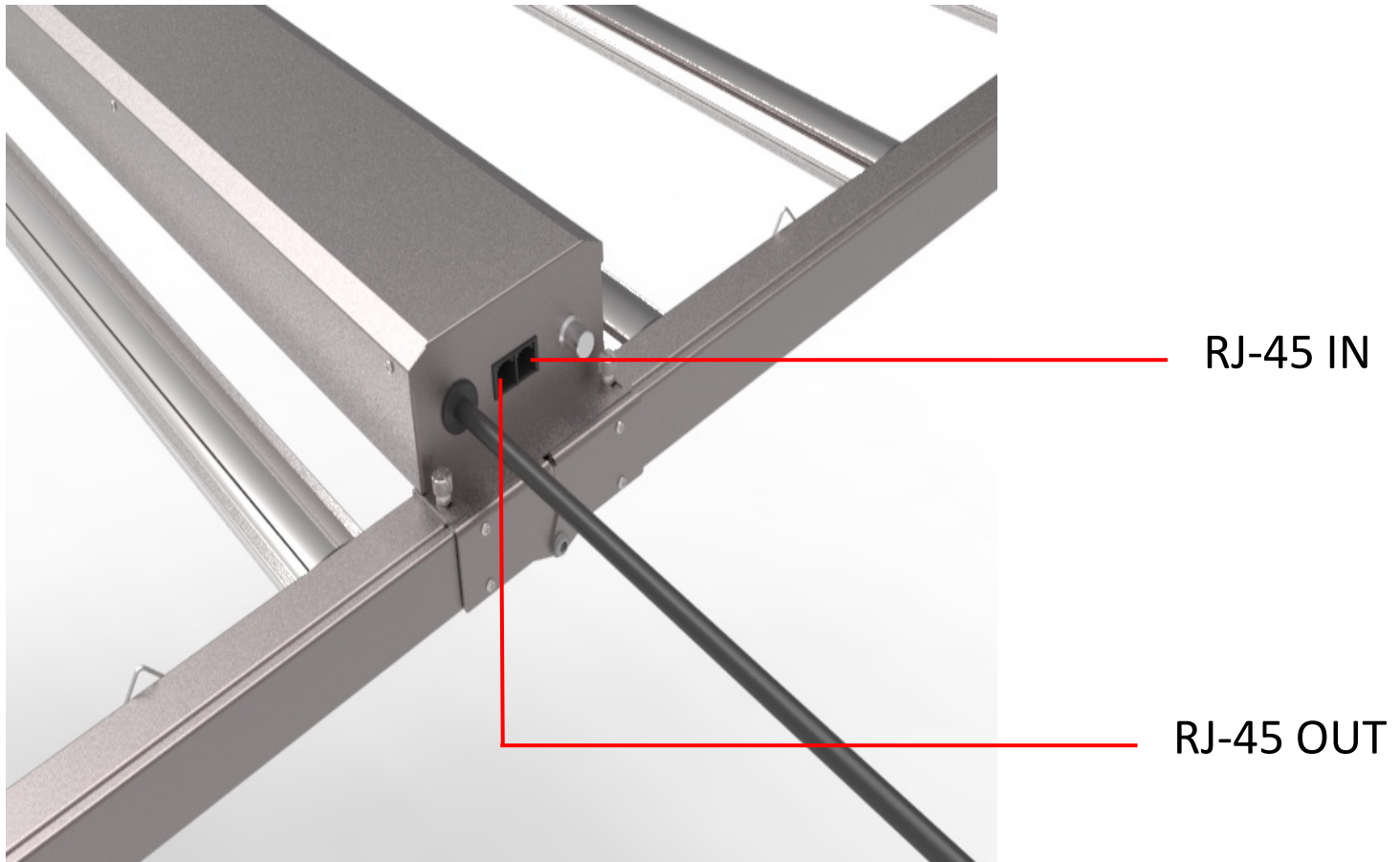
AC parallel  
connector

DC  
Connector



## GLS2 Grow lights

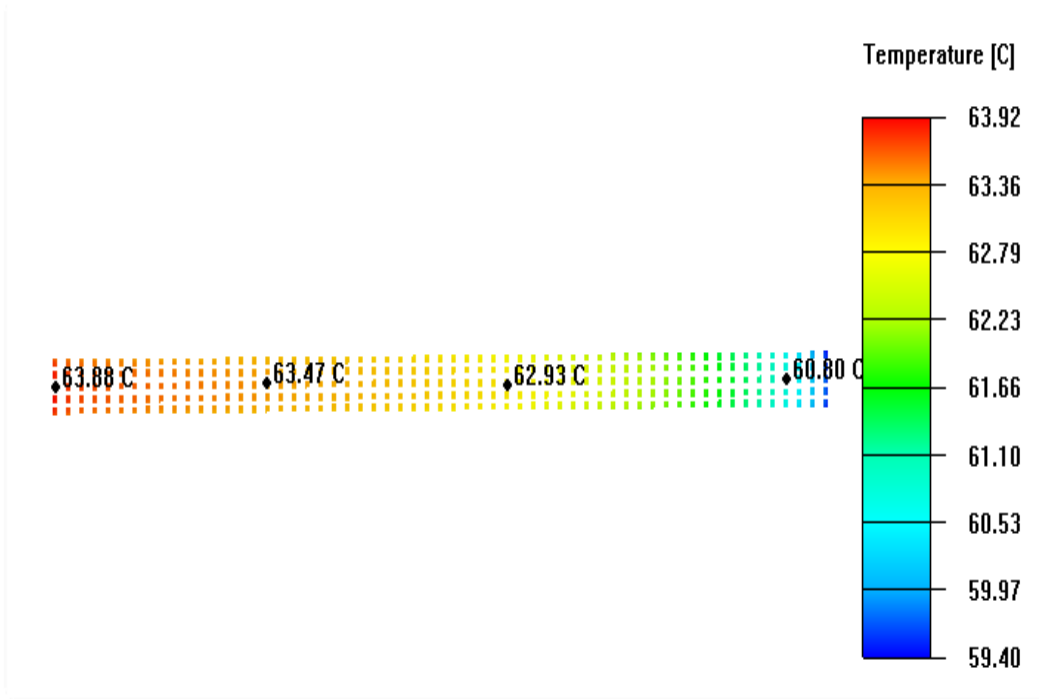
- 1 IN & 1 OUT RJ-45 interfaces on each light for connecting multiple lights in parallel with network cables
- MAX connections: +/- 50pcs



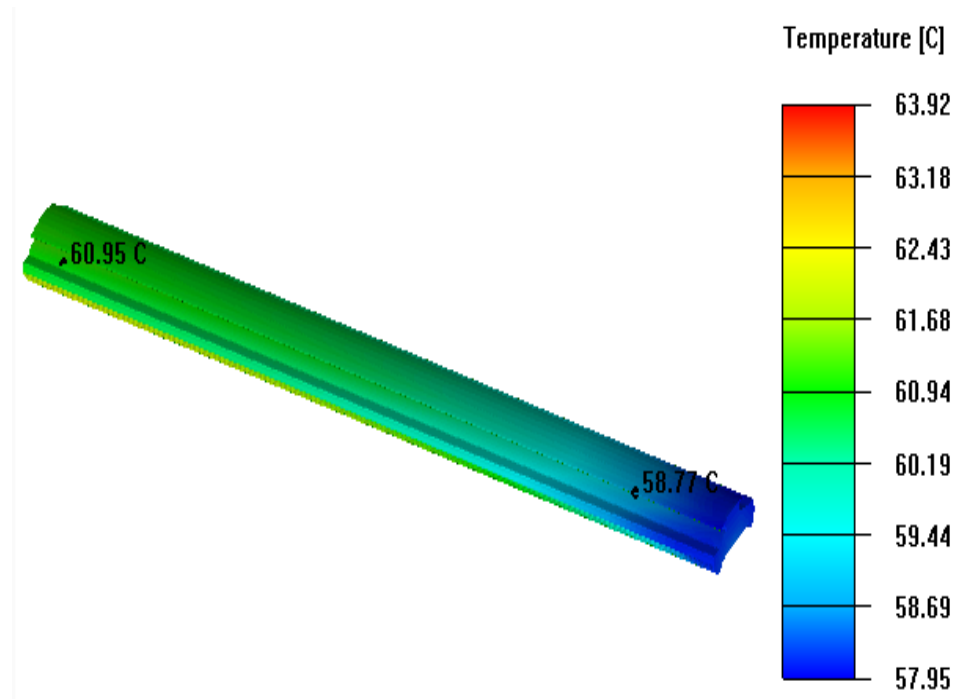


## GLS2 Grow lights

Extreme limited heat, will not cause damage to plants



Heat Dissipation simulation diagram of LED Chips



Heat Dissipation simulation diagram of Light Strips





## EAG-GLS2-660W



### Advantages

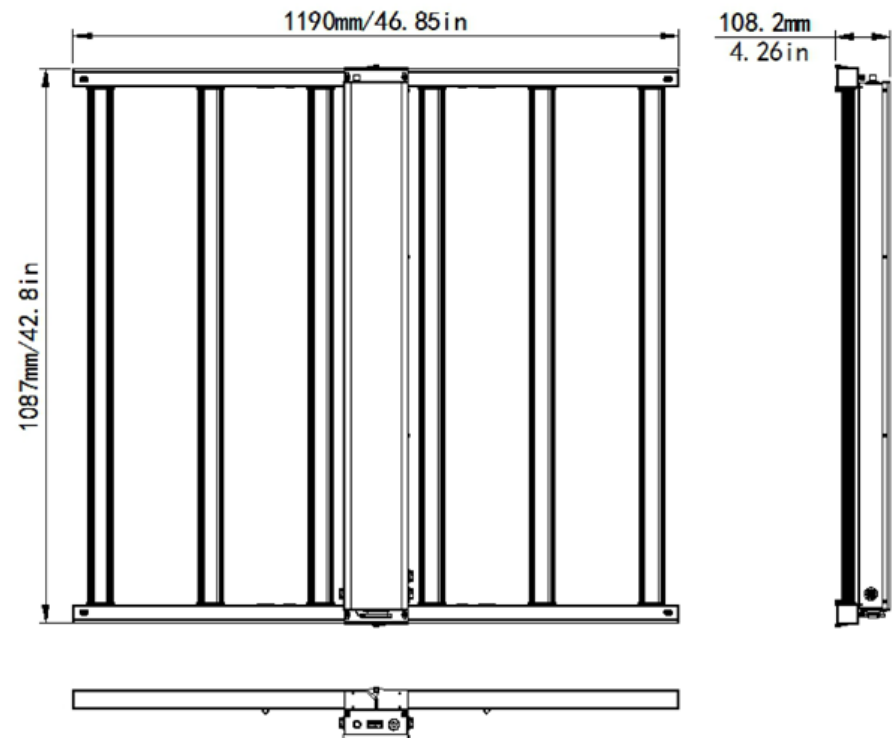
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Output constant current lever can be adjusted through output cable with 0-10V.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- When the input voltage is 120V, maximum 2 lights can be connected in parallel as needed.
- Green and eco-friendly without mercury.

### Applications

- Green House;
- Vertical Farming;
- Marijuana Cultivation;



### DIMENSIONS





## EAG-GLS2-660W

### Specifications 1

#### Optical

Input Power (Tolerance : $\pm 10\%$ )	660W(100%)	700W(BOOST/EXT)
Photosynthetic photon flux (Tolerance : $\pm 10\%$ )	1716 $\mu\text{mol/s}$	1820 $\mu\text{mol/s}$
Luminous Efficacy(Tolerance : -5%)	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$
Viewing Angle (Tolerance : $\pm 10\%$ )	120°	
Spectrum	Full Spectrum/Greenhouse Spectrum/Indoor Spectrum	
CRI	>80	

#### Electrical

Input Voltage	120-277VAC 50/60Hz	
PF (Tolerance : -3%)	$\geq 0.9$	
THD(Tolerance : +5%)	$\leq 20\%$	
Driver Surge protection	L/N-PE: 10kV, L-N: 5kV	
Dimming	0-10V Dimming standard	



EAG-GLS2-660W

## Specifications 2

Materials	
Housing	Aluminum Alloy
Housing Color	Silver or Customized
Waterproof Rating	DAMP
Others	
Operating Temperature	-40℃ TO 50℃
Operating Humidity	10%-90% RH
Storage Temperature	-40℃ TO 80℃
Storage Humidity	10%-95% RH
Warranty Time	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃.

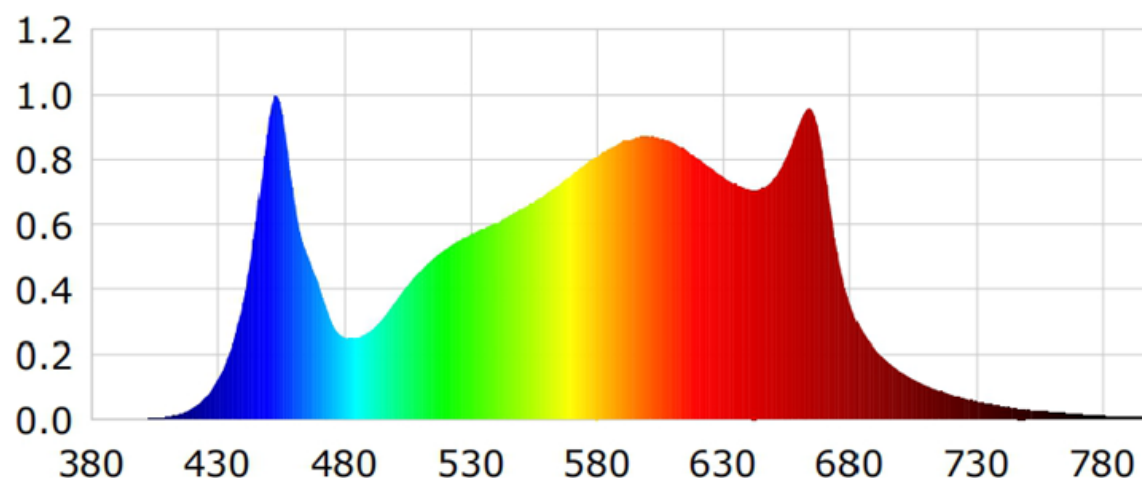




EAG-GLS2-660W

## Spectrum

### Full Spectrum



### Photometric Parameters

Luminous Flux: 111428.09 lm

EEI: 0.08

PAR: 372.093 W

PF1: 282.416 umol/s(400~500nm)

PF3: 802.492 umol/s(600~700nm)

Efficiency: 163.36 lm/W

Energy Efficiency Class: A++ (EU 874-2012)

PPF: 1779.648 umol/s

PF2: 694.732 umol/s(500~600nm)

PFfr: 58.820 umol/s(700~800nm)

Radiant Power: 381.443 W

R/B: 2.0

PPE: 2.609 umol/s/w PF: 1838.547 umol/s

### Electric Parameters

Voltage: 276.10V

Power Factor: 0.9270

Current: 2.6660A

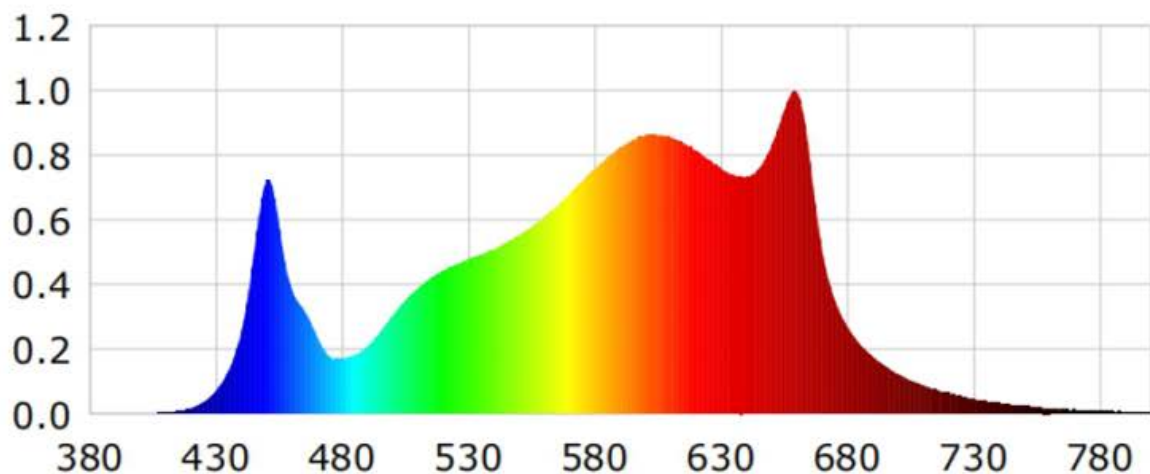
Frequency: 60.00Hz

Power: 682.10W



## EAG-GLS2-660W

### Indoor Spectrum



### Photometric Parameters

Luminous Flux: 108653.16 lm

EEI: 0.08

PAR: 352.457 W

PF1: 208.690  $\mu\text{mol/s}$ (400~500nm)

PF3: 831.573  $\mu\text{mol/s}$ (600~700nm)

Efficiency: 161.33 lm/W

Energy Efficiency Class: A++ (EU 874-2012)

PPF: 1707.403  $\mu\text{mol/s}$

PF2: 667.138  $\mu\text{mol/s}$ (500~600nm)

PFfr: 50.854  $\mu\text{mol/s}$ (700~800nm)

Radiant Power: 360.588 W

R/B: 2.9

PPE: 2.535  $\mu\text{mol/s/w}$  PF: 1758.304  $\mu\text{mol/s}$

### Electric Parameters

Voltage: 276.10V

Power Factor: 0.9250

Current: 2.6370A

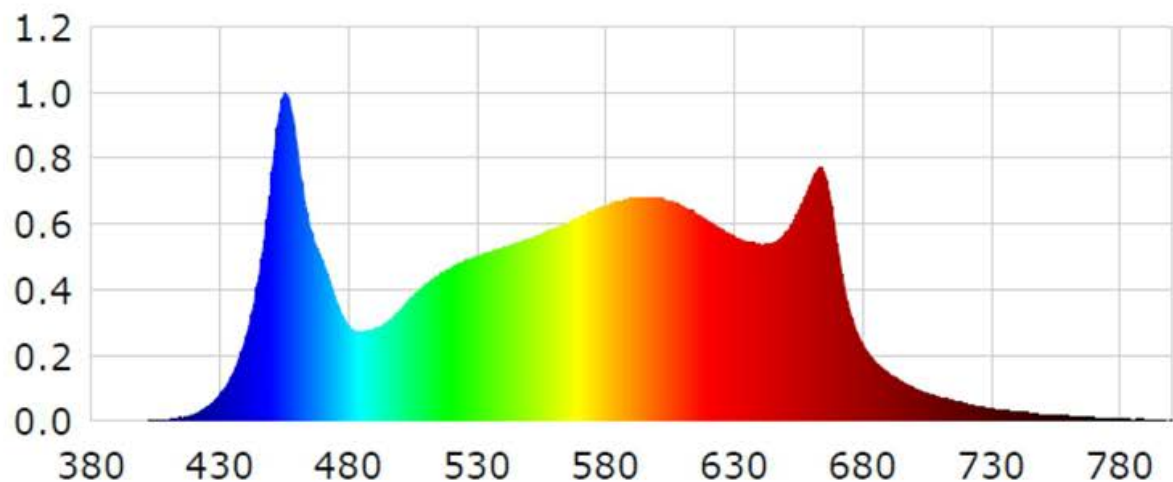
Frequency: 60.00Hz

Power: 673.50W



EAG-GLS2-660W

## Greenhouse Spectrum



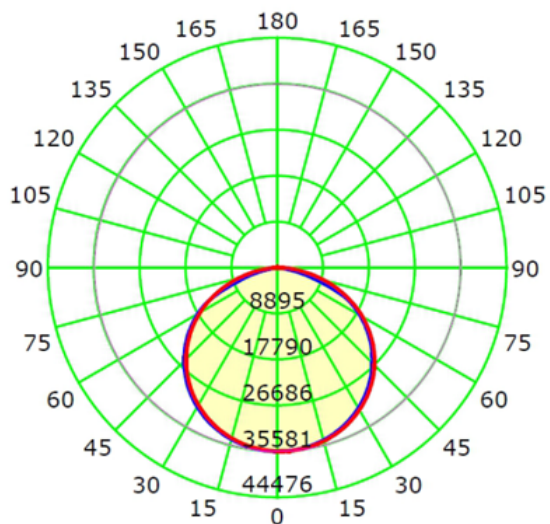
## Photometric Parameters

Luminous Flux: 108345.38 lm	Efficiency: 164.08 lm/W	Radiant Power: 371.574 W
EEI: 0.09	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 363.840 W	PPF: 1718.348 umol/s	R/B: 1.5
PF1: 329.617 umol/s(400~500nm)	PF2: 681.554 umol/s(500~600nm)	
PF3: 707.176 umol/s(600~700nm)	PFfr: 48.496 umol/s(700~800nm)	PPE: 2.602 umol/s/w PF: 1766.946 umol/s

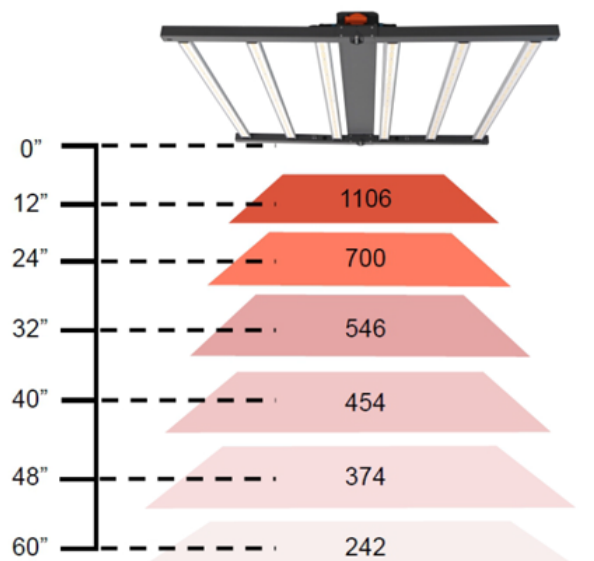
## Electric Parameters

Voltage: 275.80V	Current: 2.5950A	Power: 660.30W
Power Factor: 0.9230	Frequency: 59.99Hz	

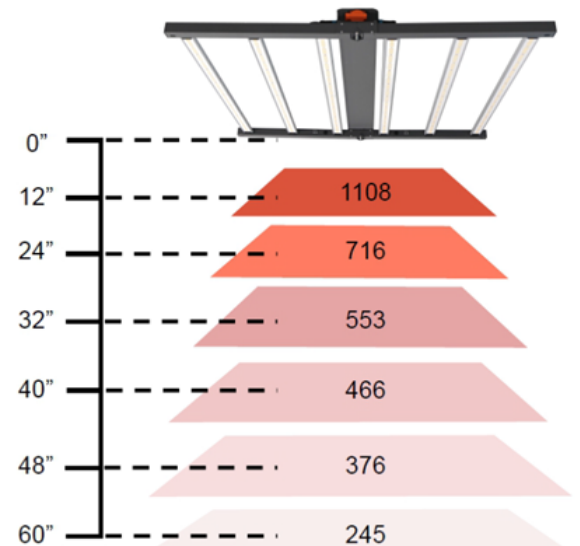
# LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



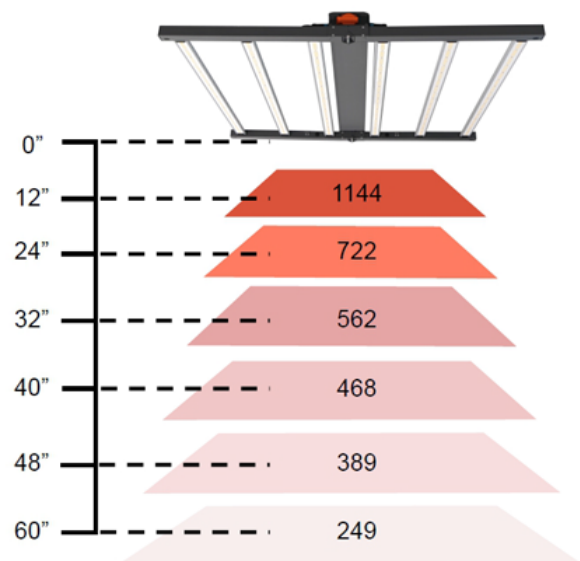
— C0-C180 — C90-C270 — G2



Indoor Spectrum 660W 2.6µmol/J



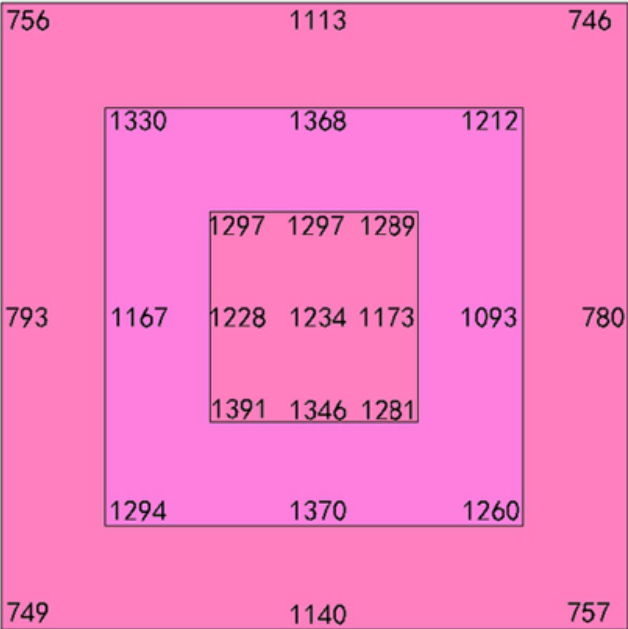
Full Spectrum 660W 2.6µmol/J



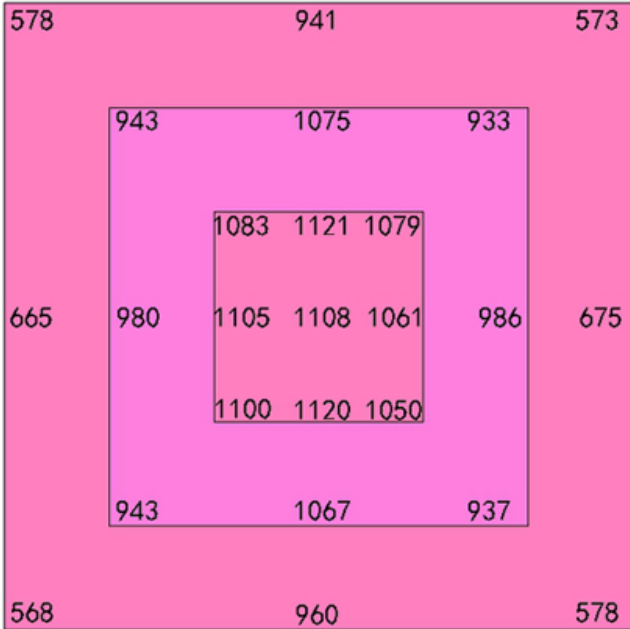
Greenhouse Spectrum 660W 2.6µmol/J

PPFD

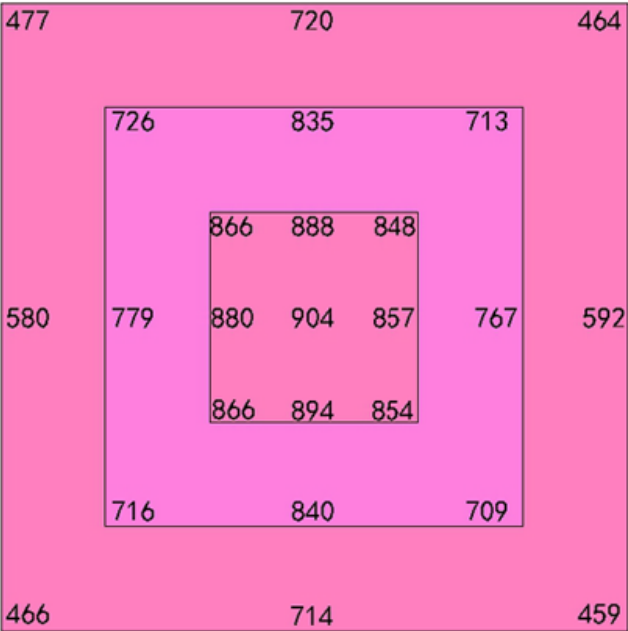
Full Spectrum



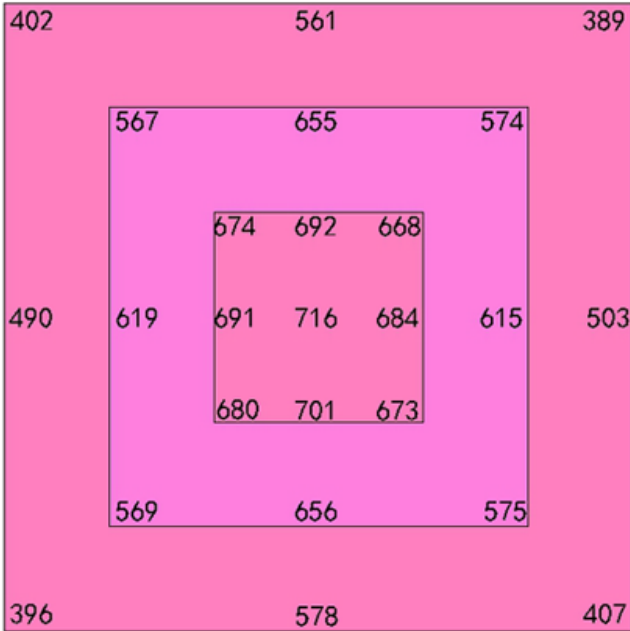
660W 6"/152mm Height



660W 12"/305mm Height



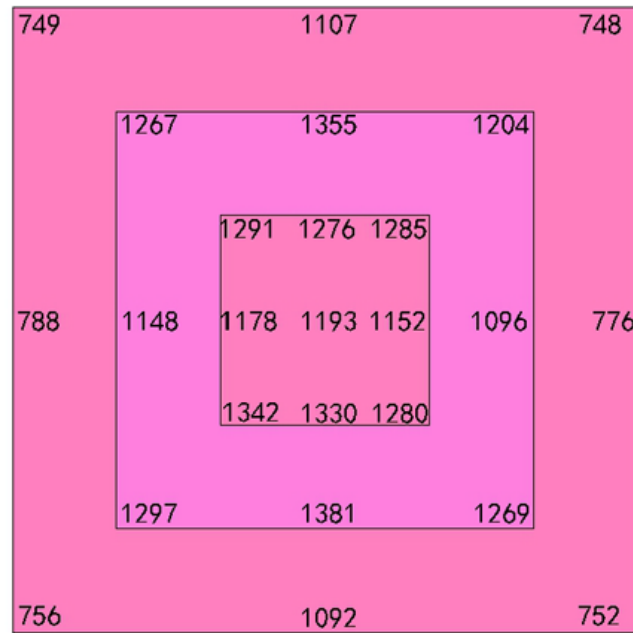
660W 18"/457mm Height



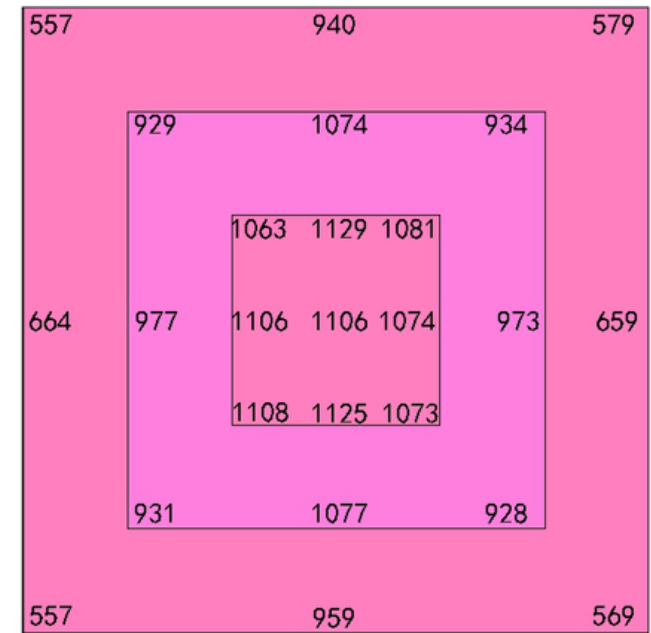
660W 24"/609mm Height



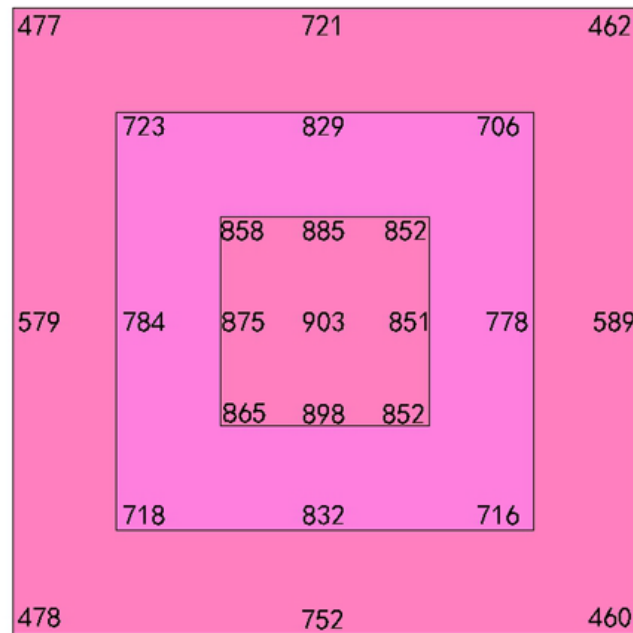
## Indoor Spectrum



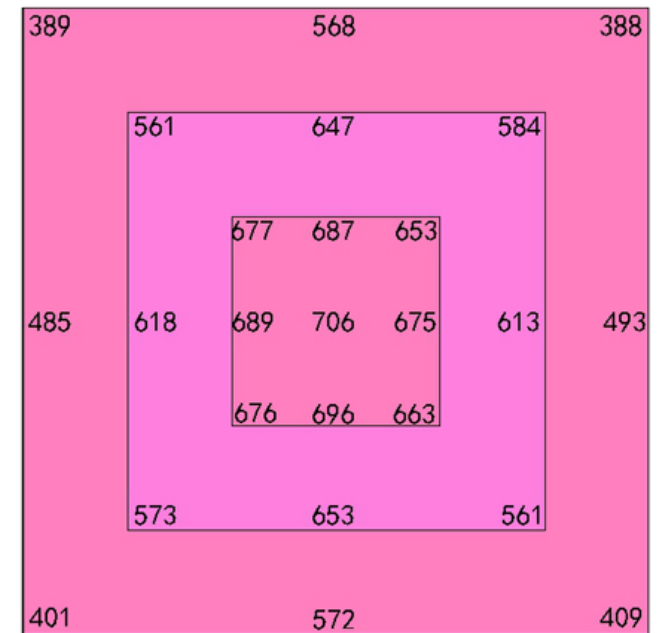
660W 6"/152mm Height



660W 12"/305mm Height

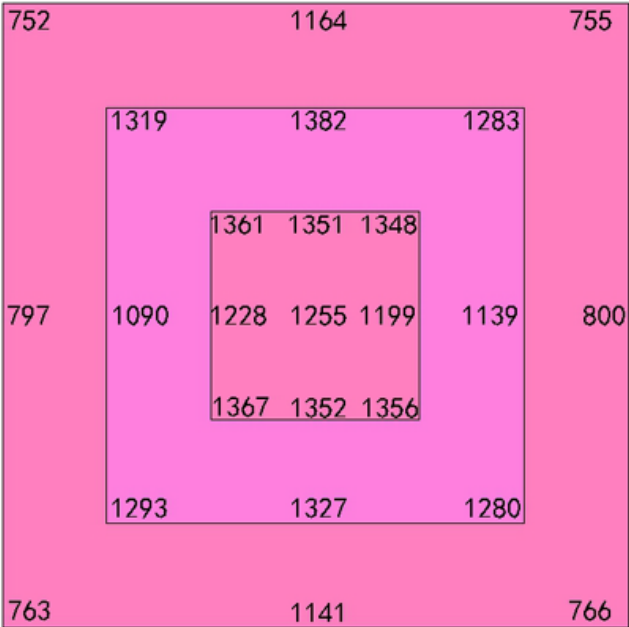


660W 18"/457mm Height

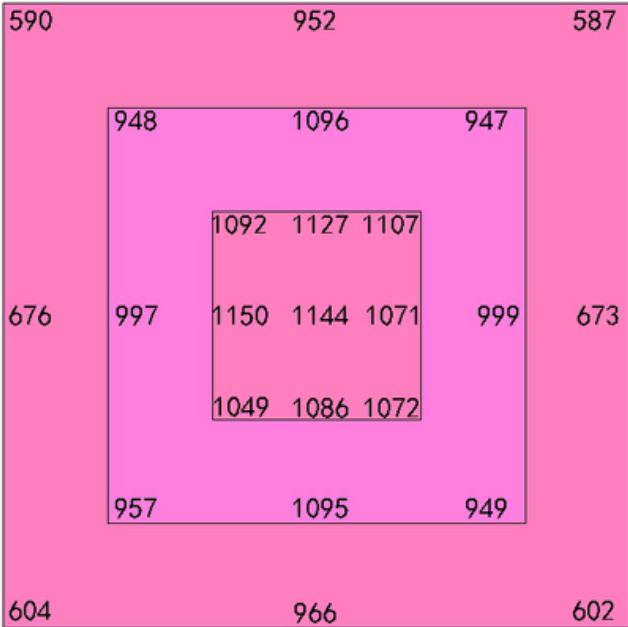


660W 24"/609mm Height

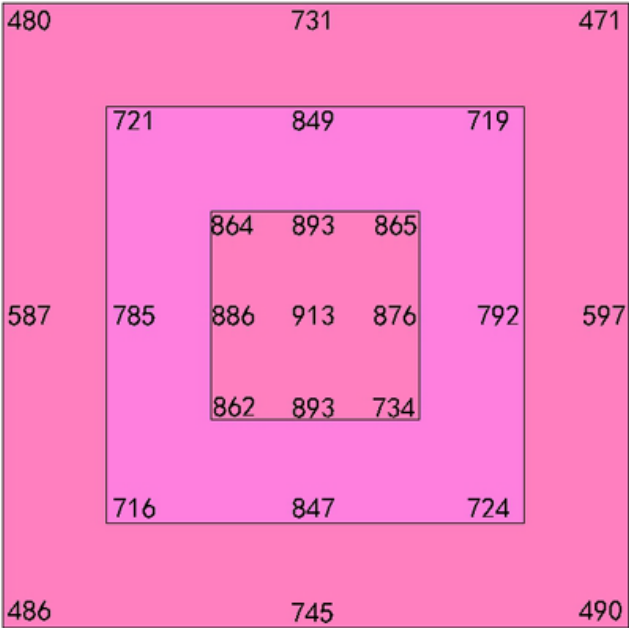
Greenhouse Spectrum



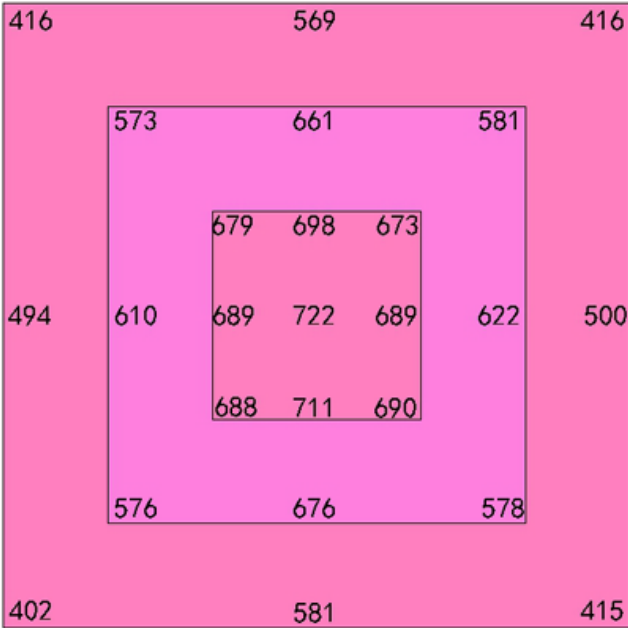
660W 6"/152mm Height



660W 12"/305mm Height



660W 18"/457mm Height

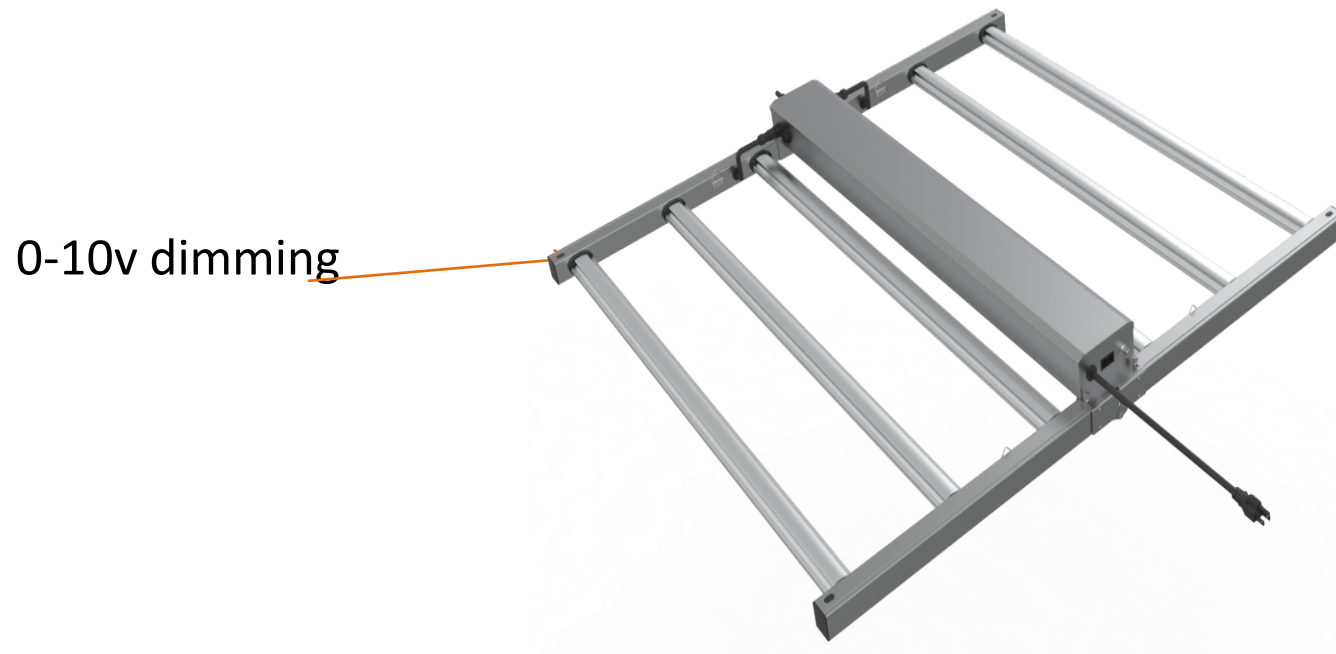


660W 24"/609mm Height



## GLS2 Advantages

Easy height adjustment to accommodate plant growth-with 17.7inch height recommended

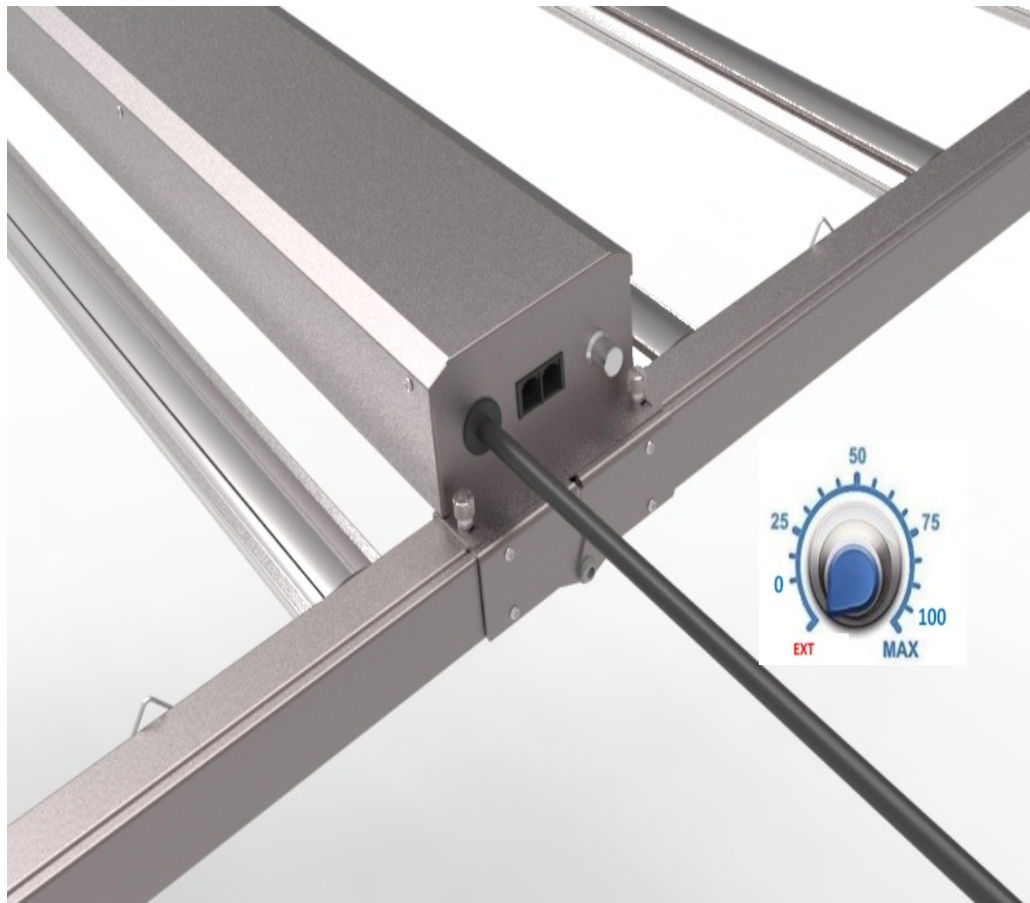


The height can be easily adjusted



## GLS2 Advantages

Customer Wattage is selectable allowing brightness adjustment for all lights in tandem with the selector on the first light





## GLS2 Advantages

Multiple products can easily be connected in parallel



Reduce the number of electrical plugs and wire routing on site, creating a safer and cleaner wiring environment.

Up to 50 fixtures can be connected





## GLS2 Advantages

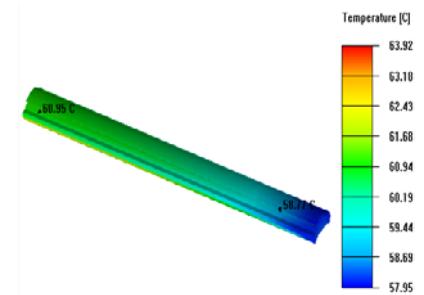
### Other Advantages



0-10V Auto Dimming, saves power consumption



Aircraft Aluminum, better cooling



Low Power Consumption  
480W: 0.5 kw/h  
700W: 0.7 kw/h  
960W: 0.96 kw/h



5 years warranty



ETL



DLC5.1  
Premium



# GLS2 Applications

Green House, Indoor Planting, Vertical Farming, Marijuana Cultivation







BETTER  
**LIGHTS**  
FOR A BETTER  
**WORLD**

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