

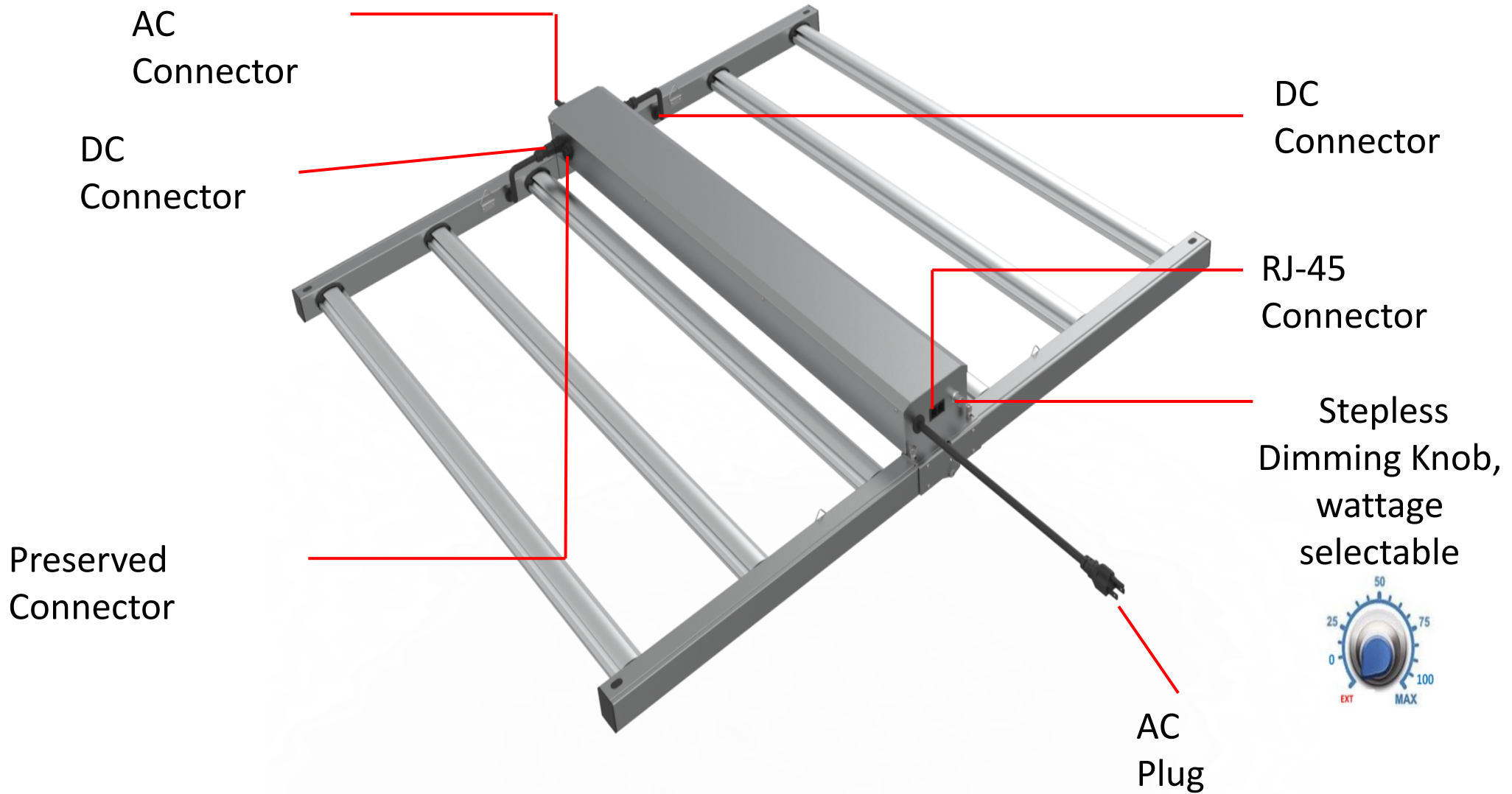
GLS2

240W

GROW LIGHTS



GLS2 Grow lights

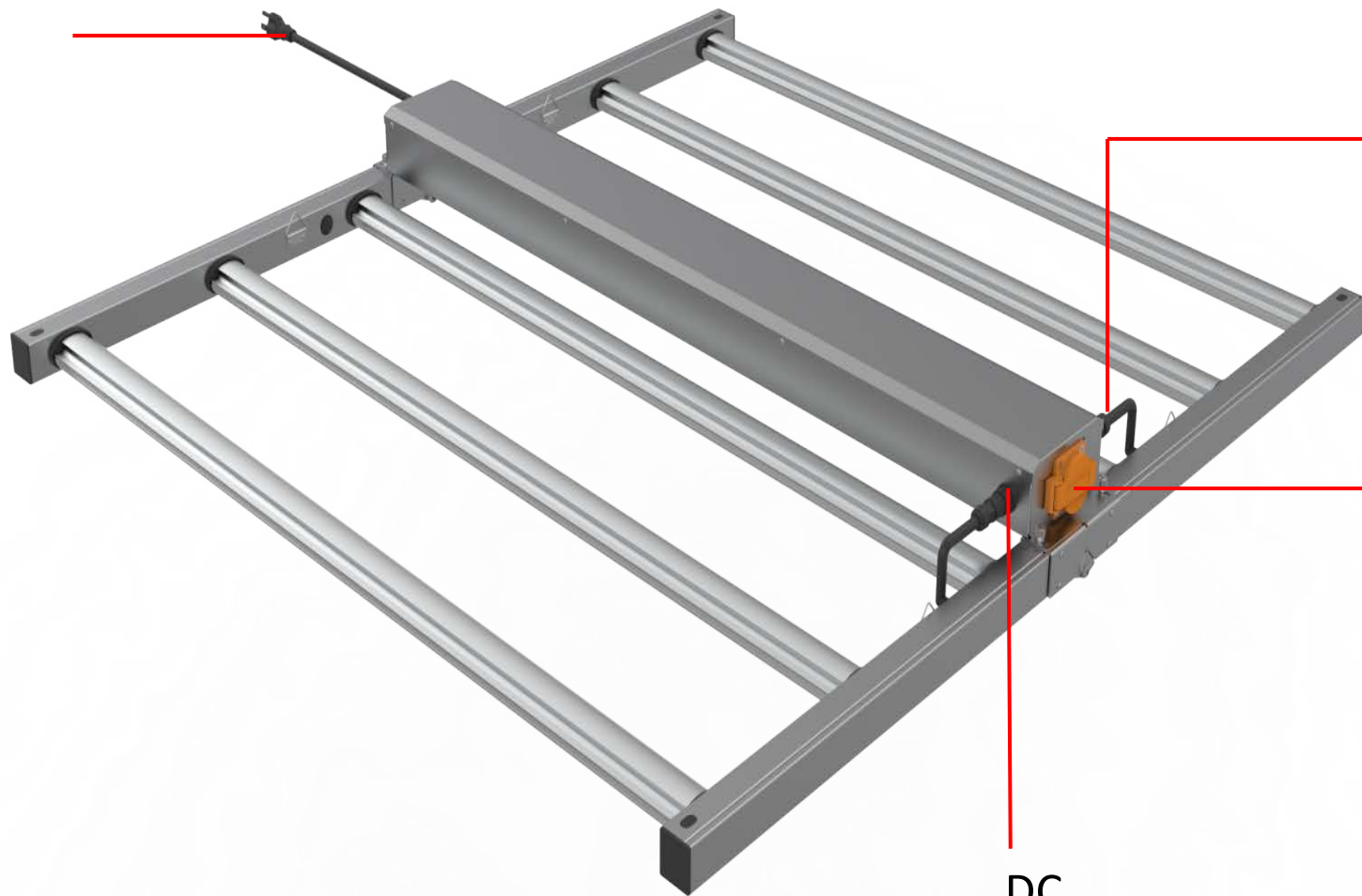




GLS2 Grow lights

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

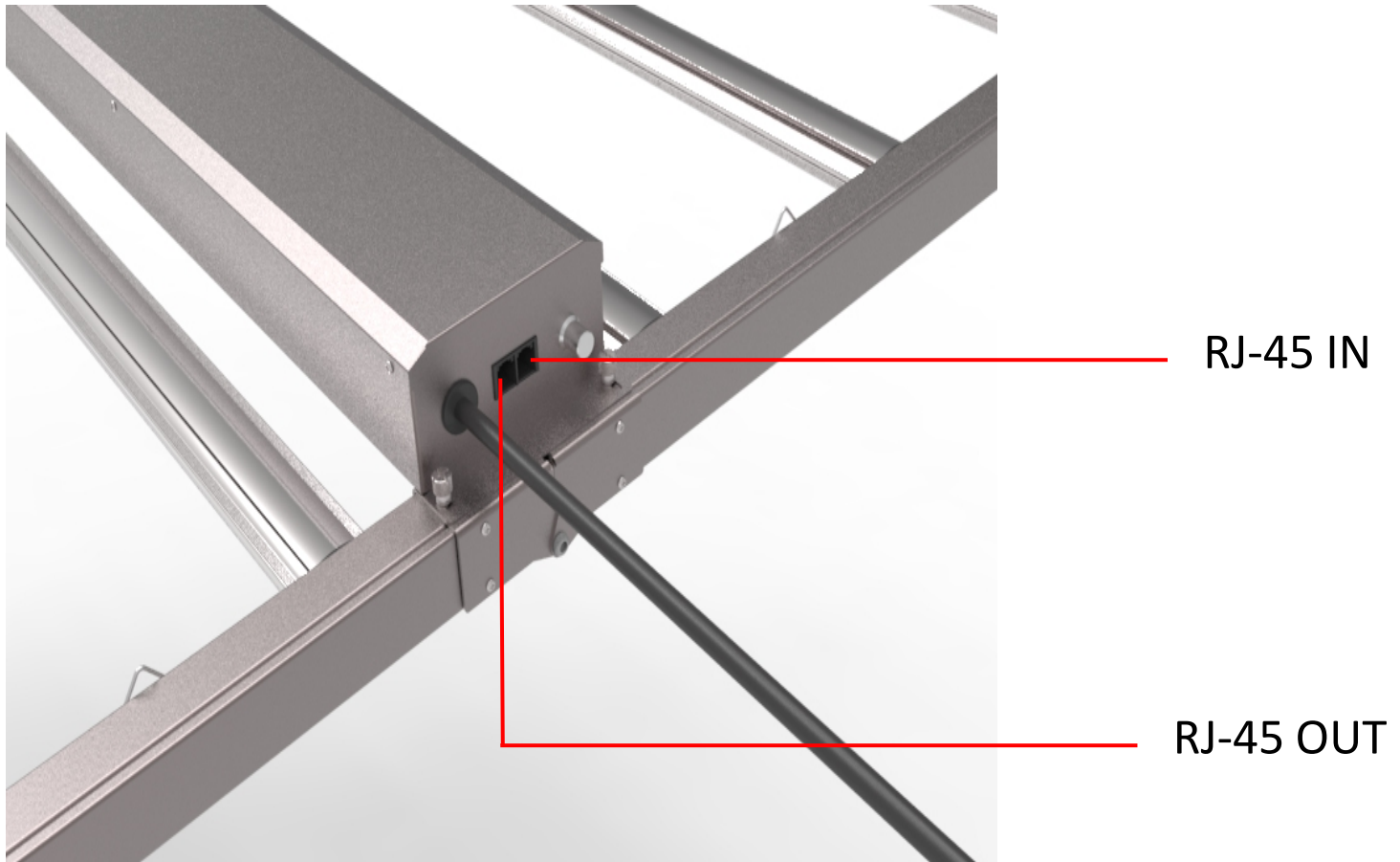
AC parallel
connector

DC
Connector



GLS2 Grow lights

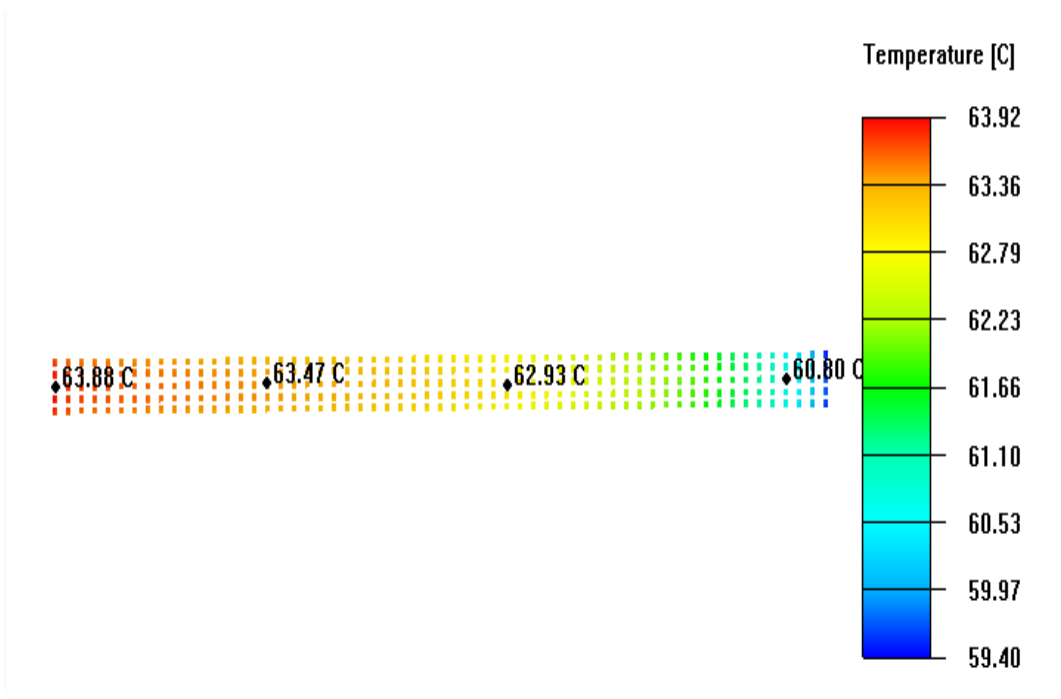
- 1 IN & 1 OUT RJ-45 interfaces on each light for connecting multiple lights in parallel with network cables
- MAX connections: +/- 50pcs



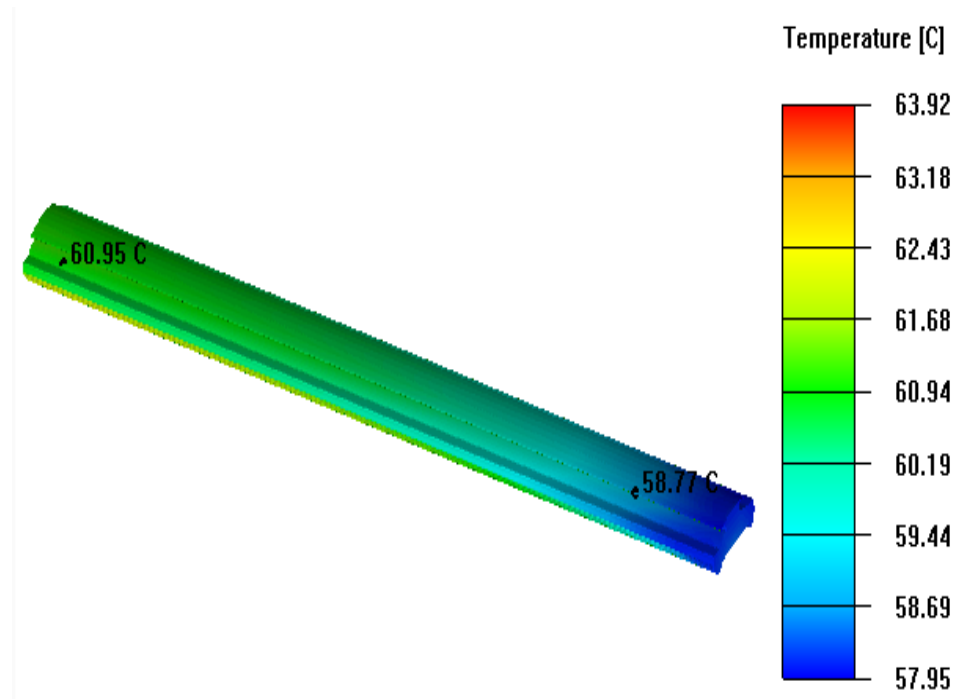


GLS2 Grow lights

Extreme limited heat, will not cause damage to plants



Heat Dissipation simulation diagram of LED Chips



Heat Dissipation simulation diagram of Light Strips



EAG-GLS2-240W



Advantages

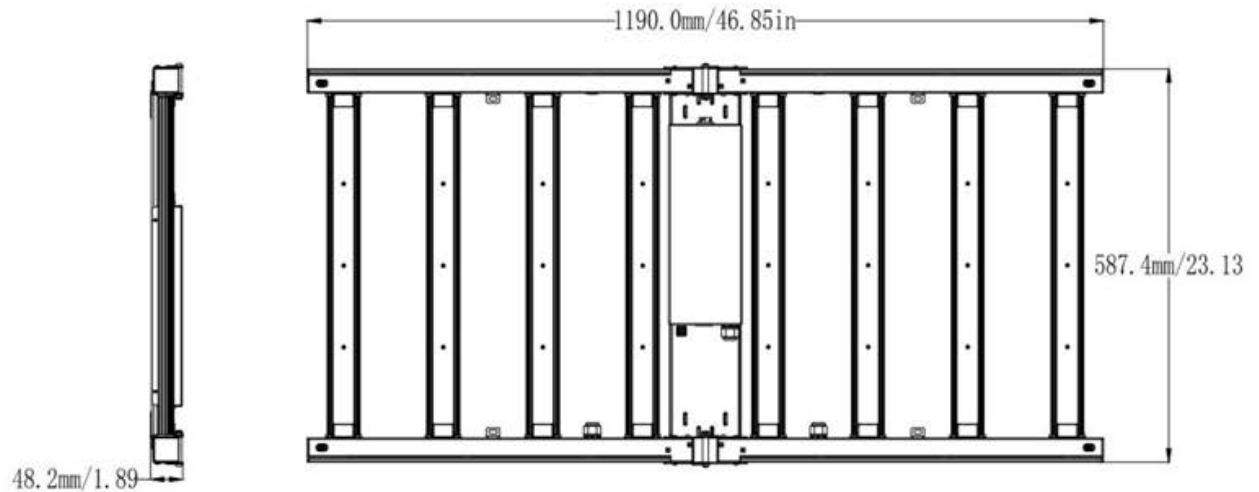
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Output constant current lever can be adjusted through output cable with 0-10V.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly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

Applications

- Green House
- Vertical Farming
- Marijuana Cultivation



DIMENSIONS





EAG-GLS2-240W

Specifications 1

| Optical | |
|---|---|
| Input Power (Tolerance : $\pm 10\%$) | 240W |
| Photosynthetic photon flux (Tolerance : $\pm 10\%$) | 624 $\mu\text{mol/s}$ |
| Luminous Efficacy(Tolerance : -5%) | 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%) | ≥ 0.9 |
| THD(Tolerance : +5%) | $\leq 20\%$ |
| Driver Surge protection | L/N-PE: 10kV, L-N: 5kV |
| Dimming | 0-10V Dimming standard |



EAG-GLS2-240W

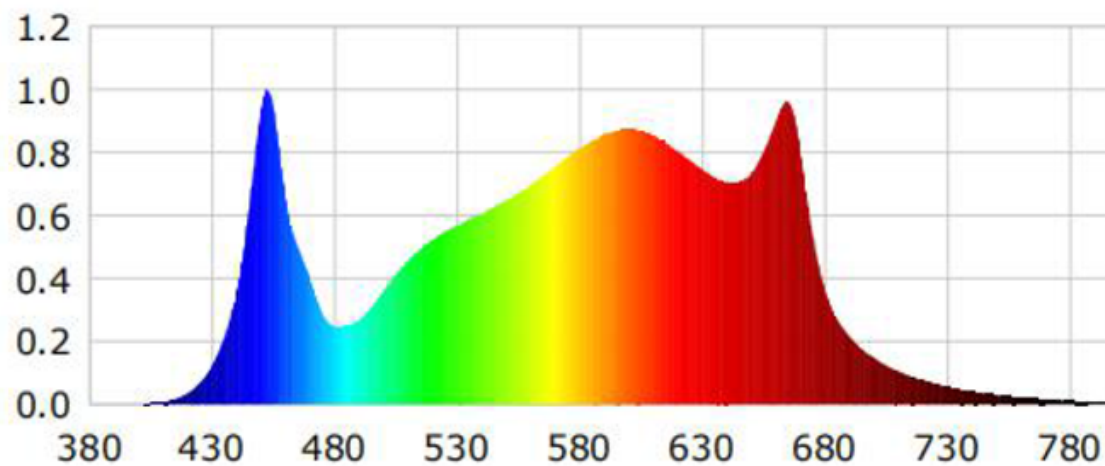
Specifications 2

| 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-GLS2-240W

Full Spectrum



Photometric Parameters

| | | |
|-------------------------------|--|--------------------------------------|
| Luminous Flux: 37799.17 lm | Efficiency: 169.66 lm/W | Radiant Power: 125.150 W |
| EEI: 0.08 | Energy Efficiency Class: A++ (EU 874-2012) | |
| PAR: 122.814 W | PPF: 588.831 umol/s | R/B: 2.2 |
| PF1:86.713 umol/s(400~500nm) | PF2:234.989 umol/s(500~600nm) | |
| PF3:267.129 umol/s(600~700nm) | PFfr:14.475 umol/s(700~800nm) | PPE:2.643 umol/s/w PF:603.322 umol/s |

Electric Parameters

| | | |
|----------------------|--------------------|----------------|
| Voltage: 277.90V | Current: 0.8720A | Power: 222.80W |
| Power Factor: 0.9200 | Frequency: 60.00Hz | |

Test Information

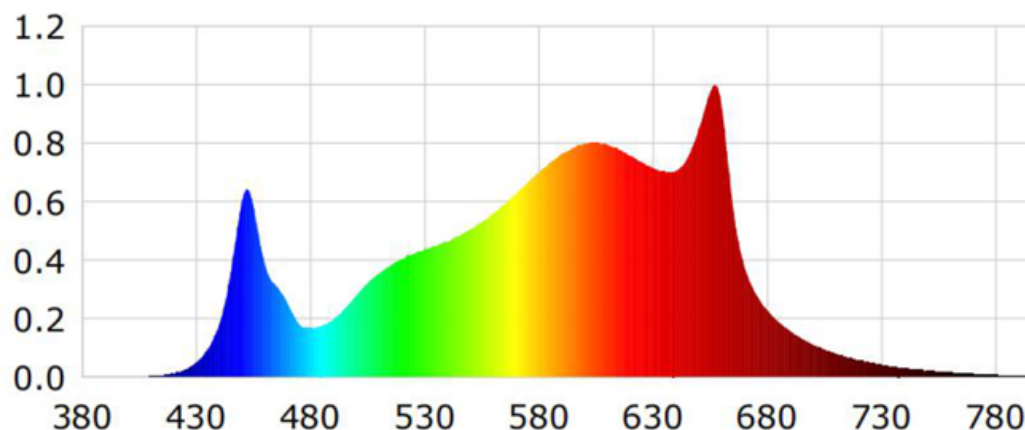
Scan Range: 380~800:1nm
Stabilization Time: 0 Min ALC.: 1.8530
Max of Signal: 45250 (3459)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4π
CCD Integration Time: 42.06 ms



EAG-GLS2-240W

Indoor Spectrum



Photometric Parameters

| | | |
|--------------------------------|--|--|
| Luminous Flux: 37200.25 lm | Efficiency: 166.82 lm/W | Radiant Power: 122.730 W |
| EEI: 0.08 | Energy Efficiency Class: A++ (EU 874-2012) | |
| PAR: 120.186 W | PPF: 580.107 umol/s | R/B: 2.6 |
| PF1: 75.030 umol/s(400~500nm) | PF2: 229.993 umol/s(500~600nm) | |
| PF3: 275.083 umol/s(600~700nm) | PFfr: 15.853 umol/s(700~800nm) | PPE: 2.601 umol/s/w PF: 595.981 umol/s |

Electric Parameters

| | | |
|----------------------|--------------------|----------------|
| Voltage: 278.20V | Current: 0.8740A | Power: 223.00W |
| Power Factor: 0.9180 | Frequency: 60.00Hz | |

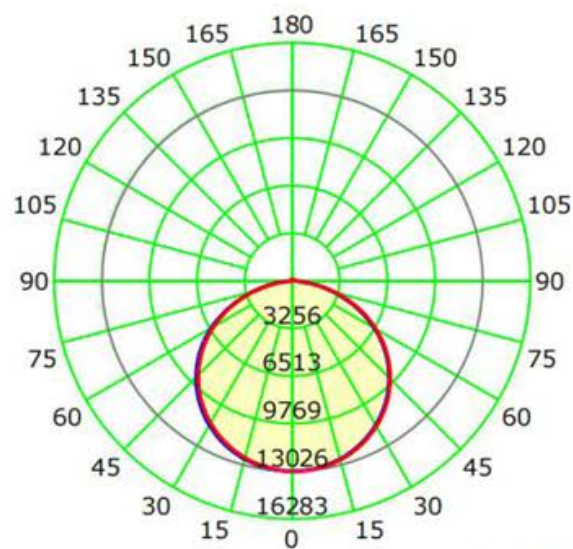
Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min ALC.: 1.8530
Max of Signal: 44627 (3460)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4π
CCD Integration Time: 46.00 ms

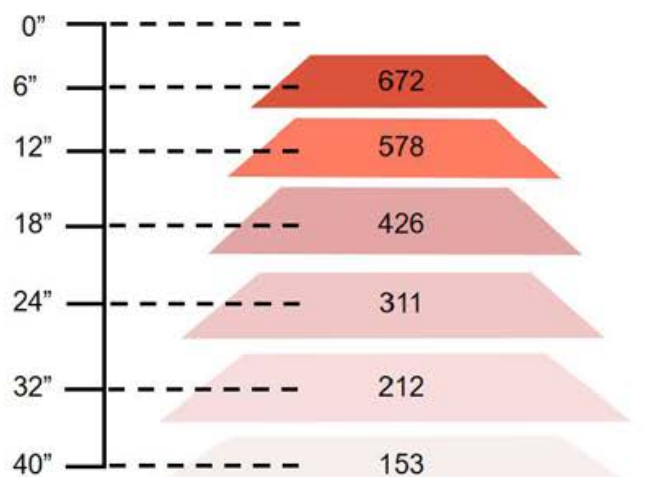
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Luminous Intensity Distribution Curve

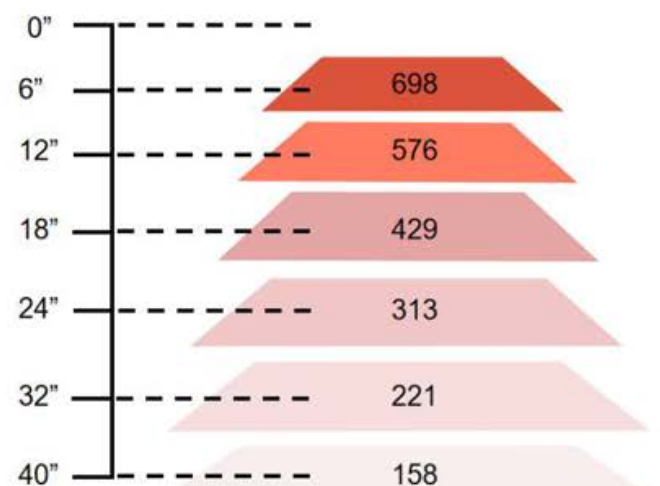


Average Diffuse Angle(50%): 119.1°

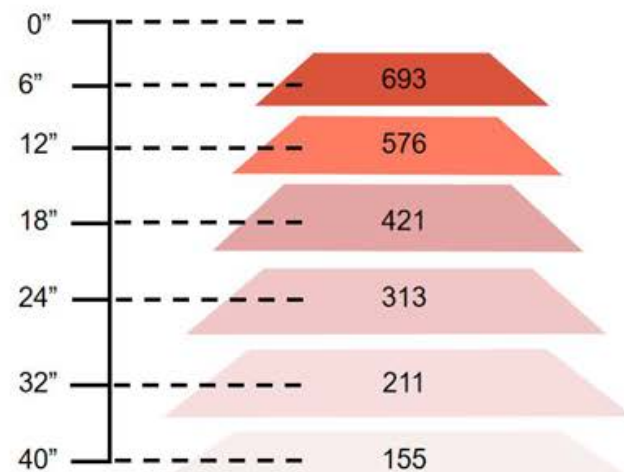
Unit: cd
 — C0-C180 — C90-C270 — G2



Indoor Spectrum 240W 2.6µmol/J



Full Spectrum 240W 2.6µmol/J

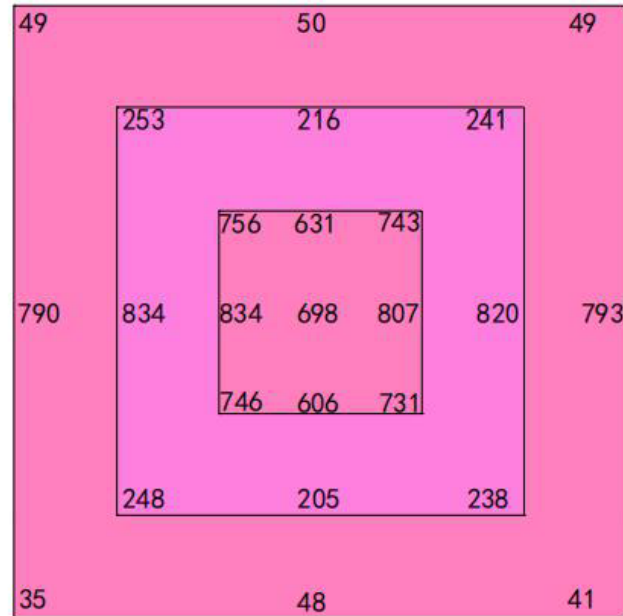


Greenhouse Spectrum 240W 2.6µmol/J

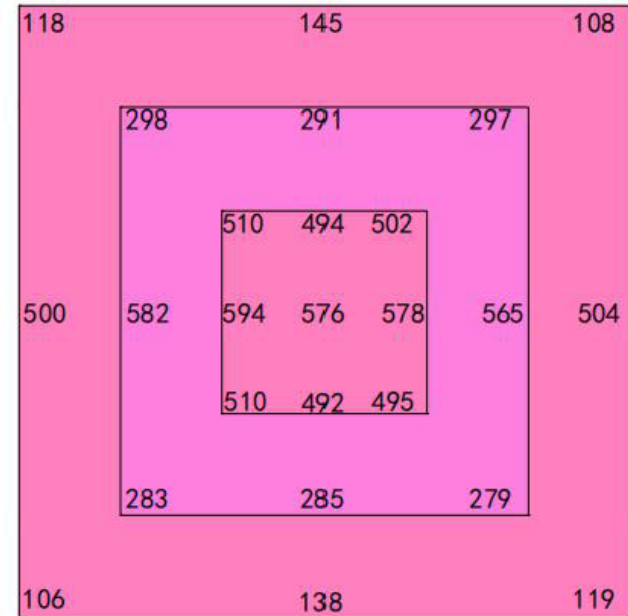


PPFD

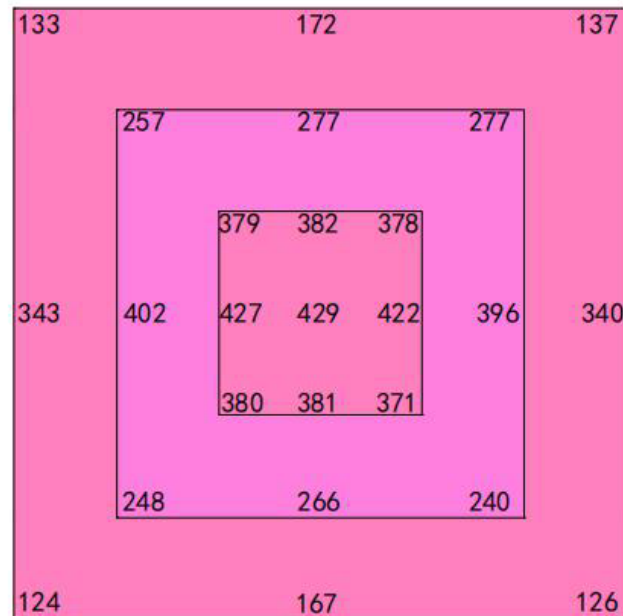
Full Spectrum



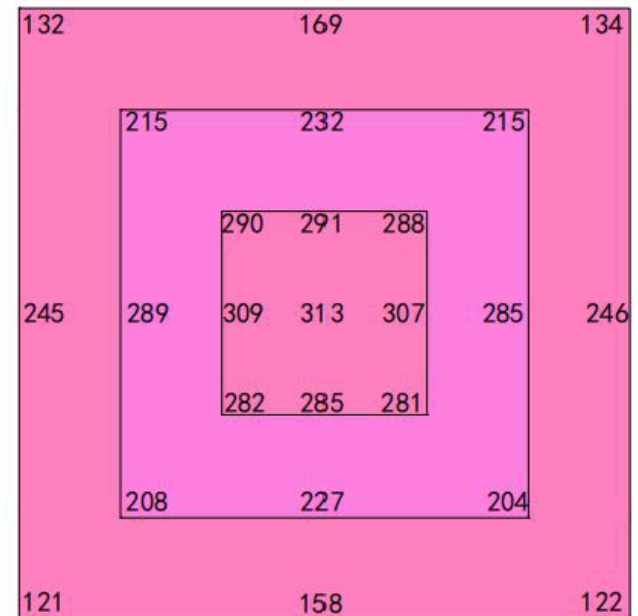
240W 6"/152mm Height



240W 12"/305mm Height



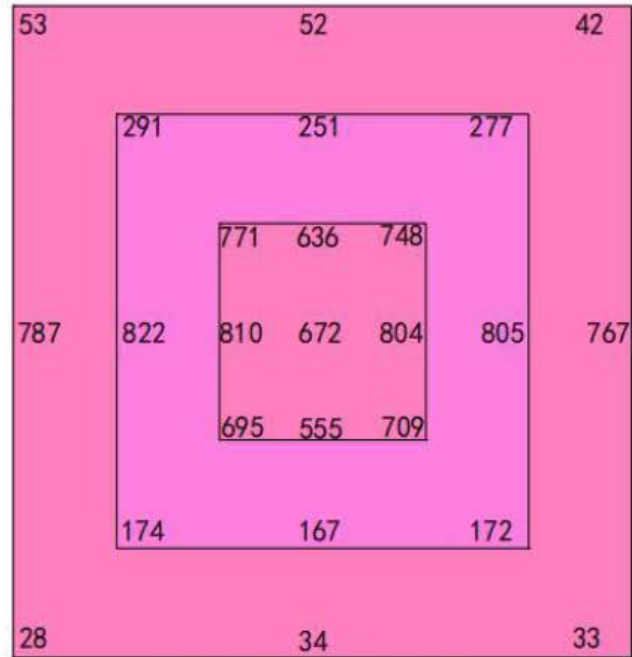
240W 18"/457mm Height



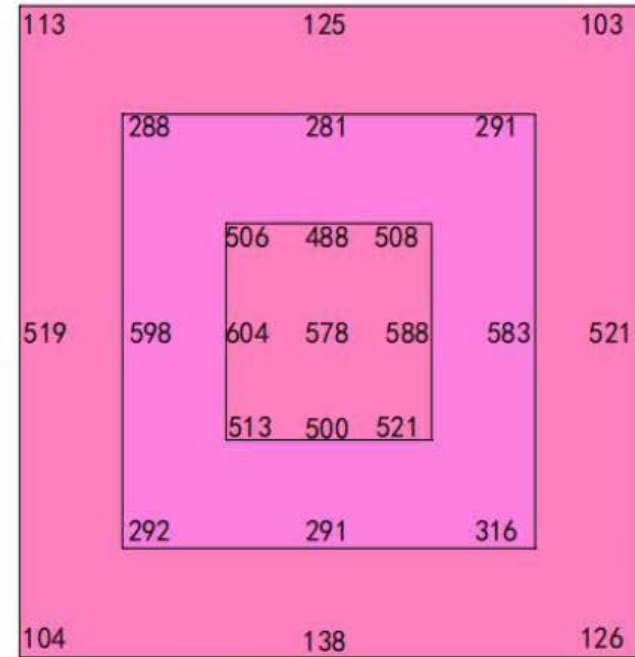
240W 24"/610mm Height



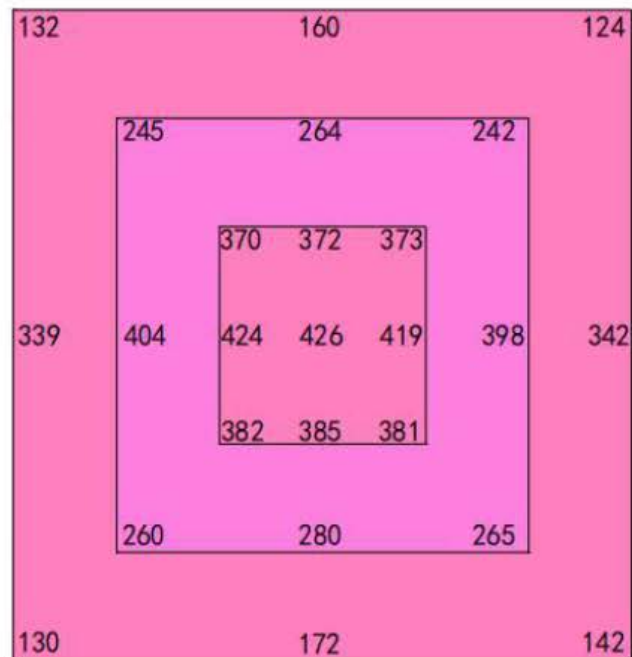
Indoor Spectrum



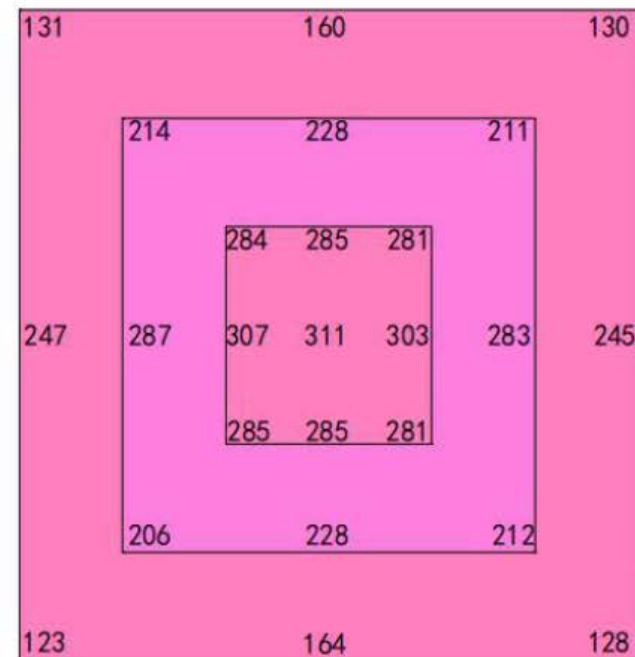
240W 6"/152mm Height



240W 12"/305mm Height



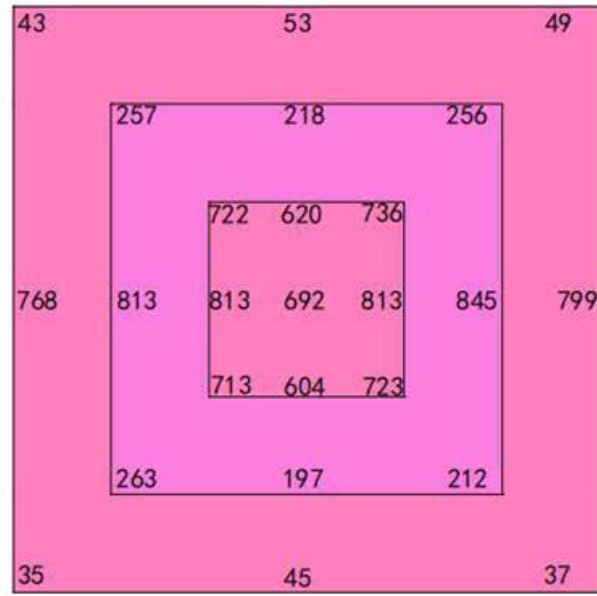
240W 18"/457mm Height



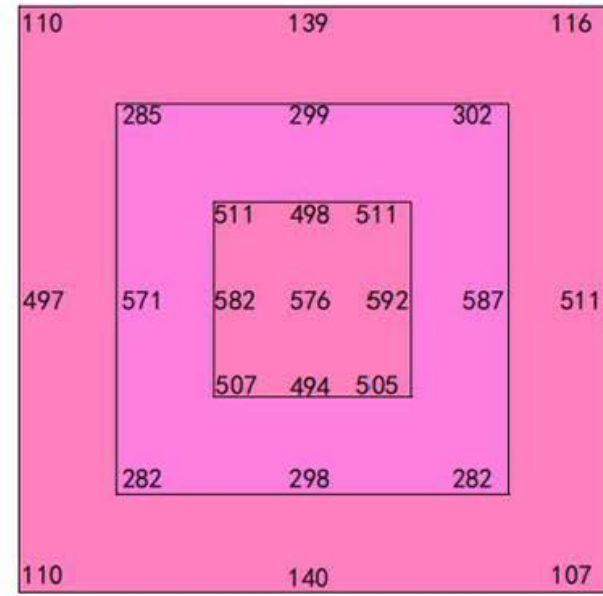
240W 24"/610mm Height



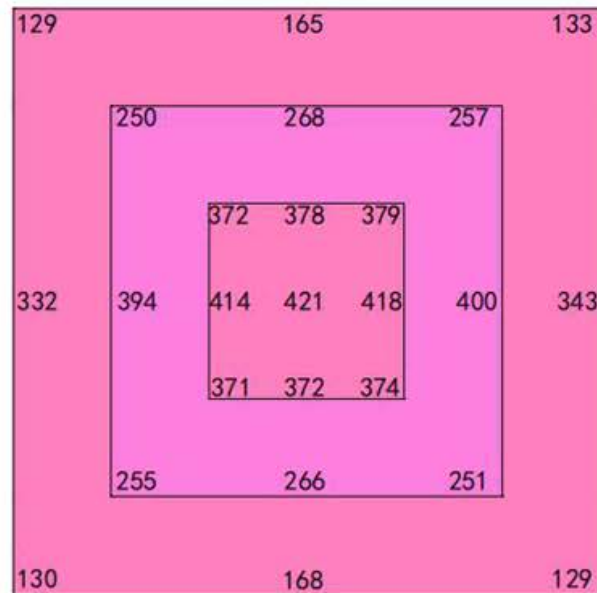
Greenhouse Spectrum



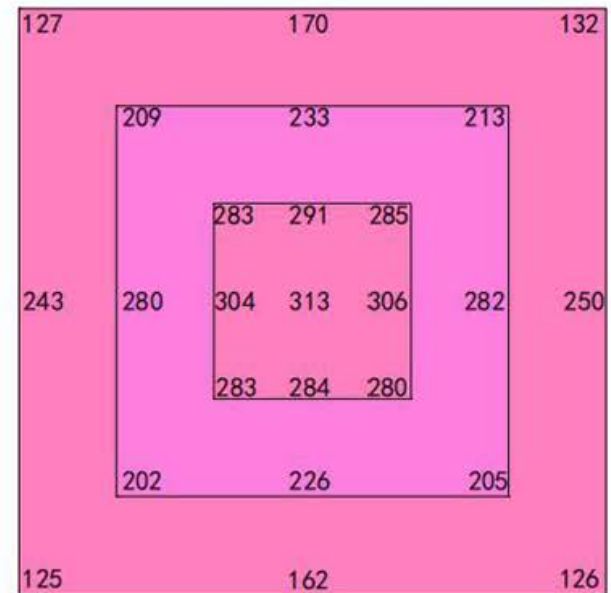
240W 6"/152mm Height



240W 12"/305mm Height



240W 18"/457mm Height

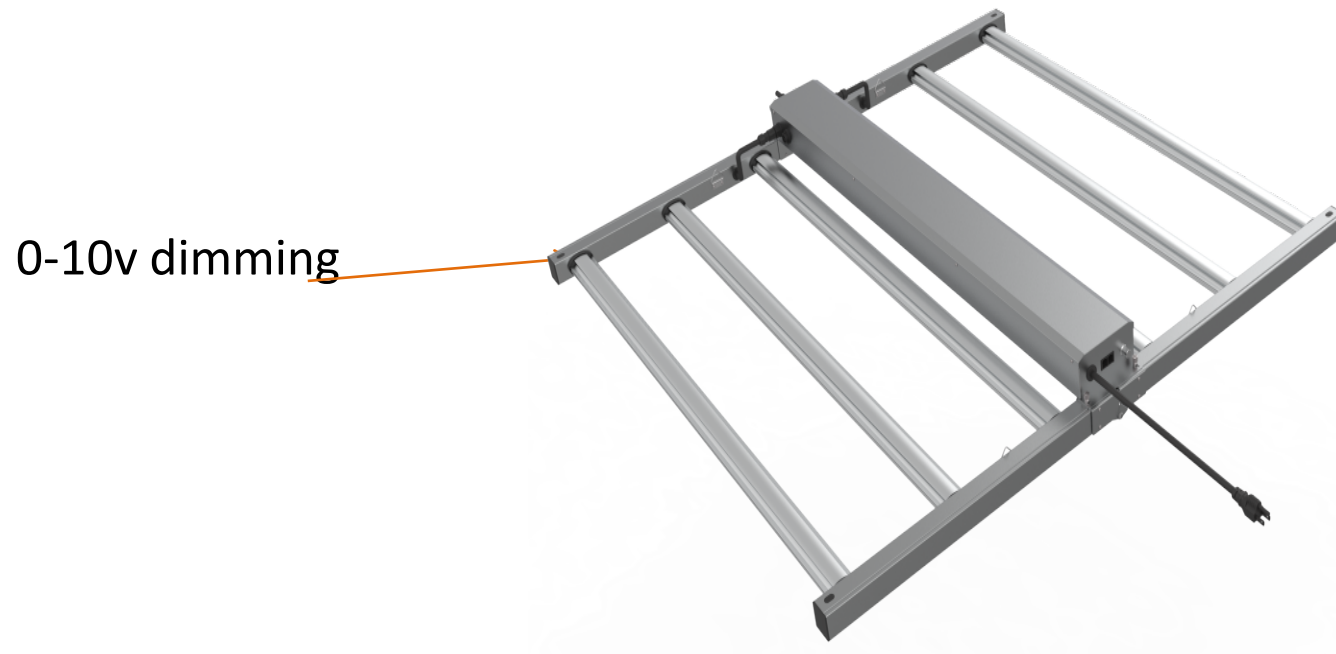


240W 24"/610mm Height



GLS2 Advantages

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

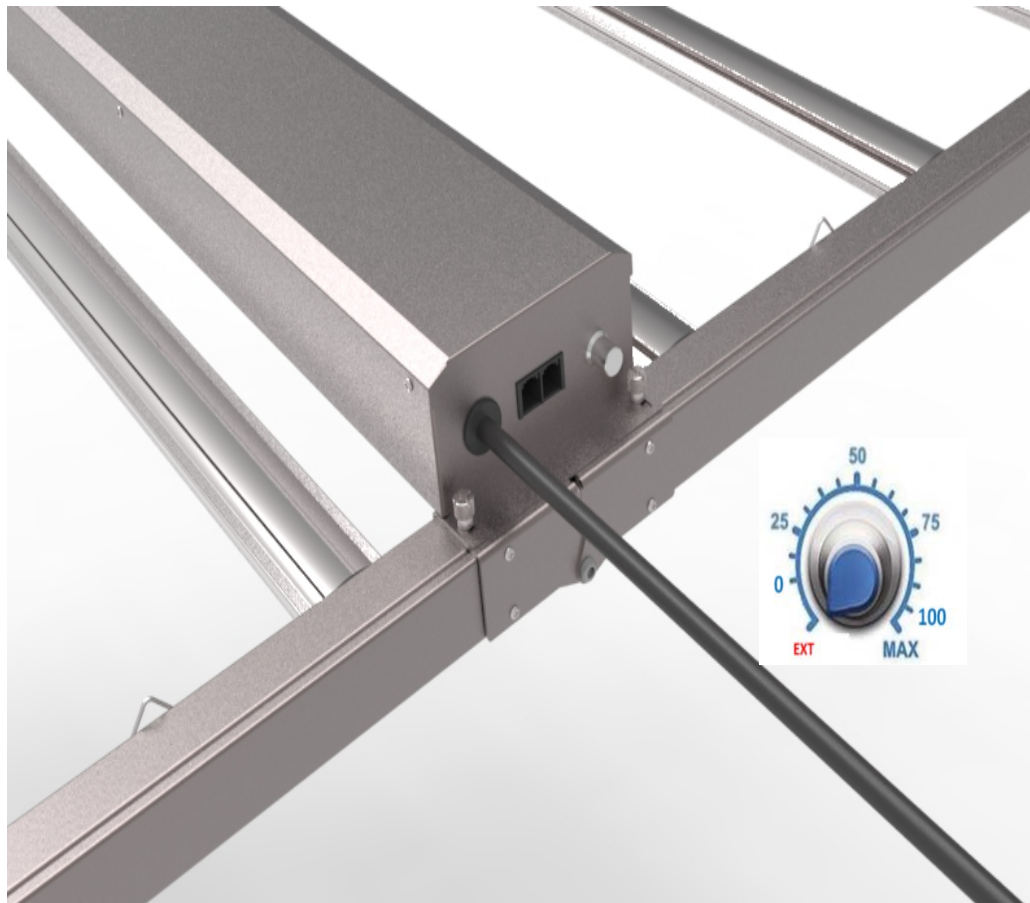


The height can be easily adjusted



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

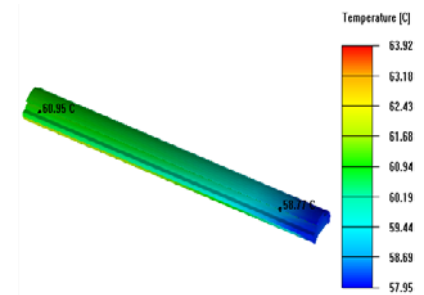
Other Advantages



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

EAG-LED GLOBAL

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