



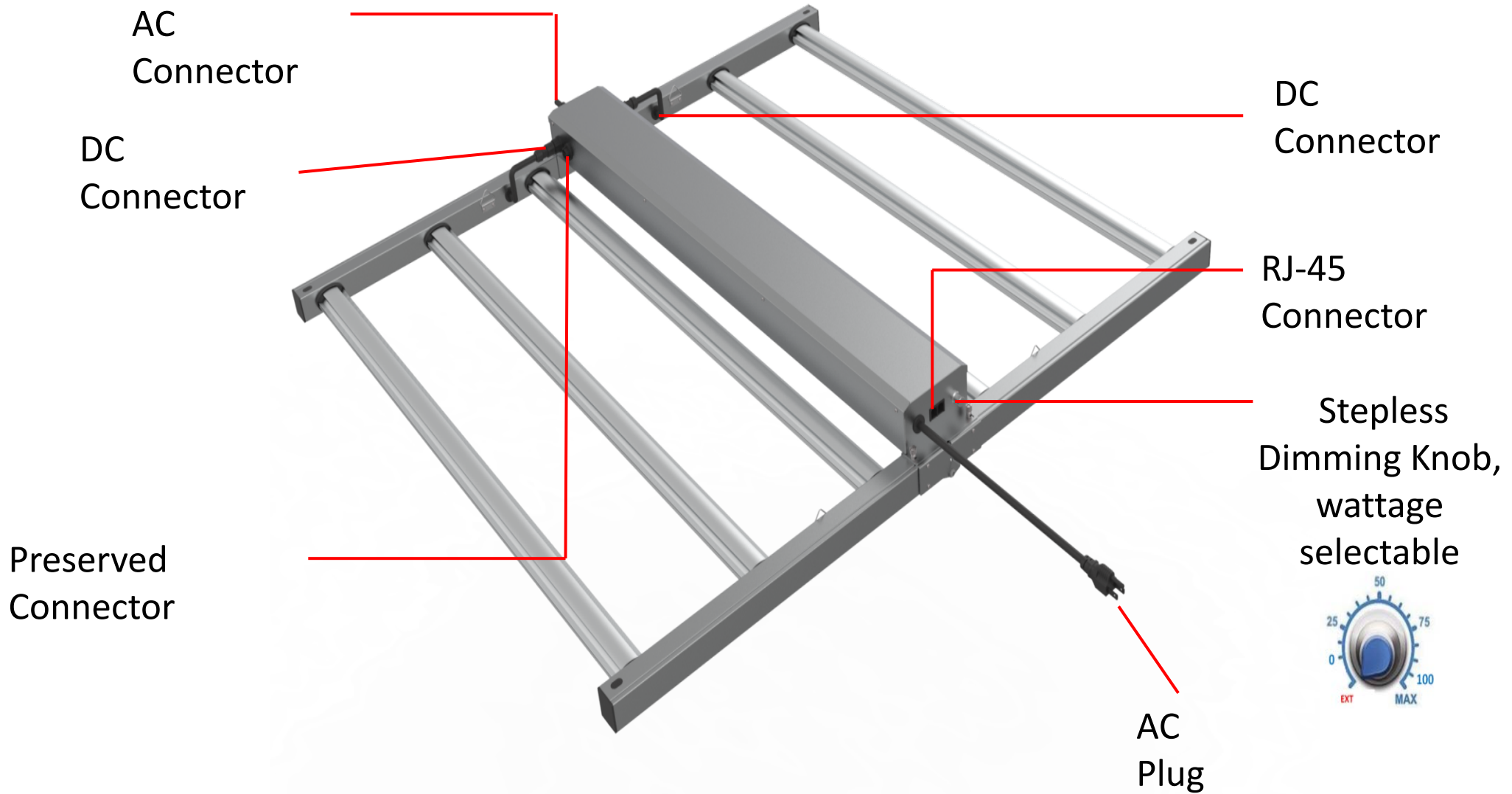
GLS2

960W

GROW LIGHTS



GLS2 Grow lights

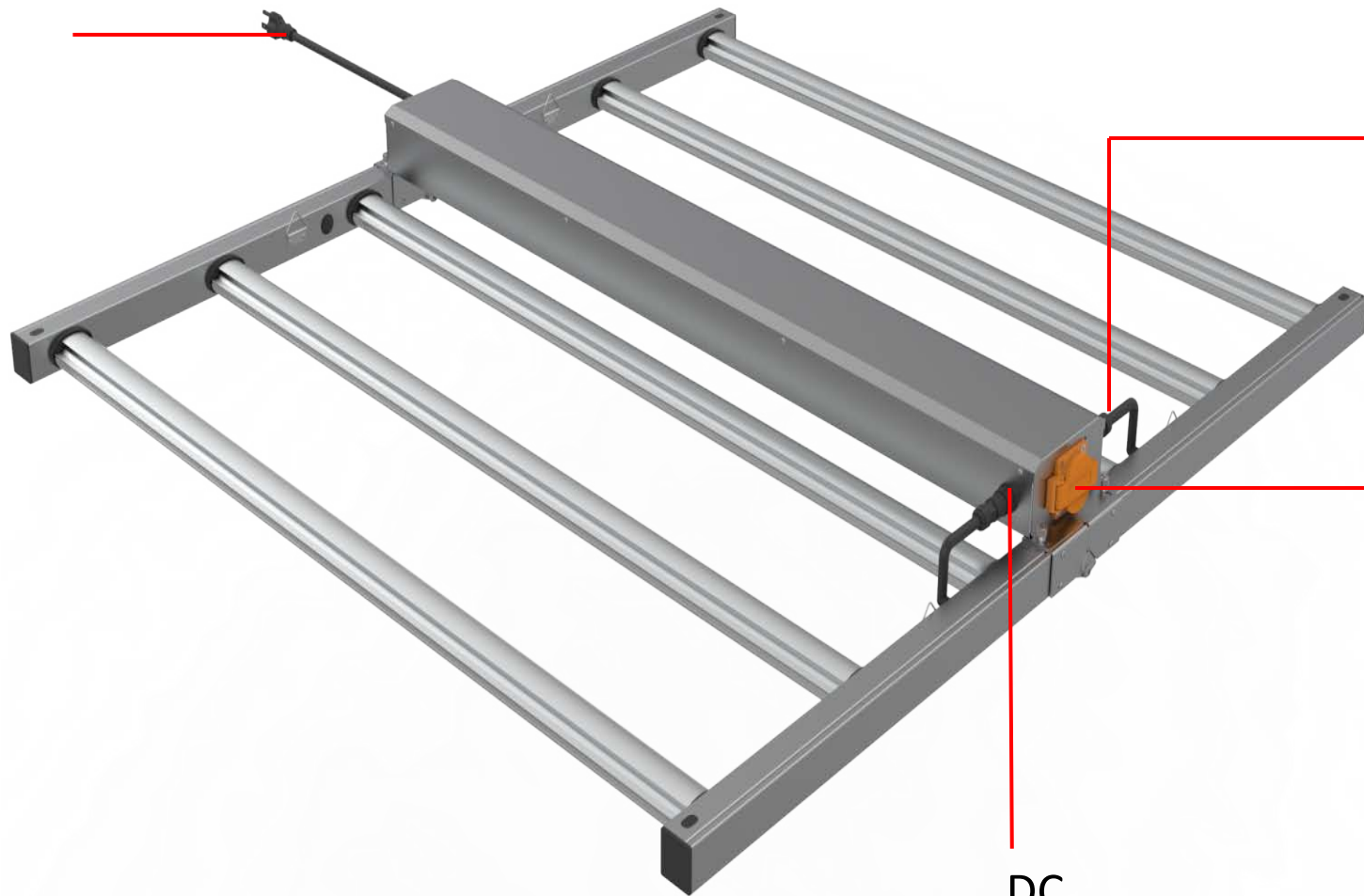




GLS2 Grow lights

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

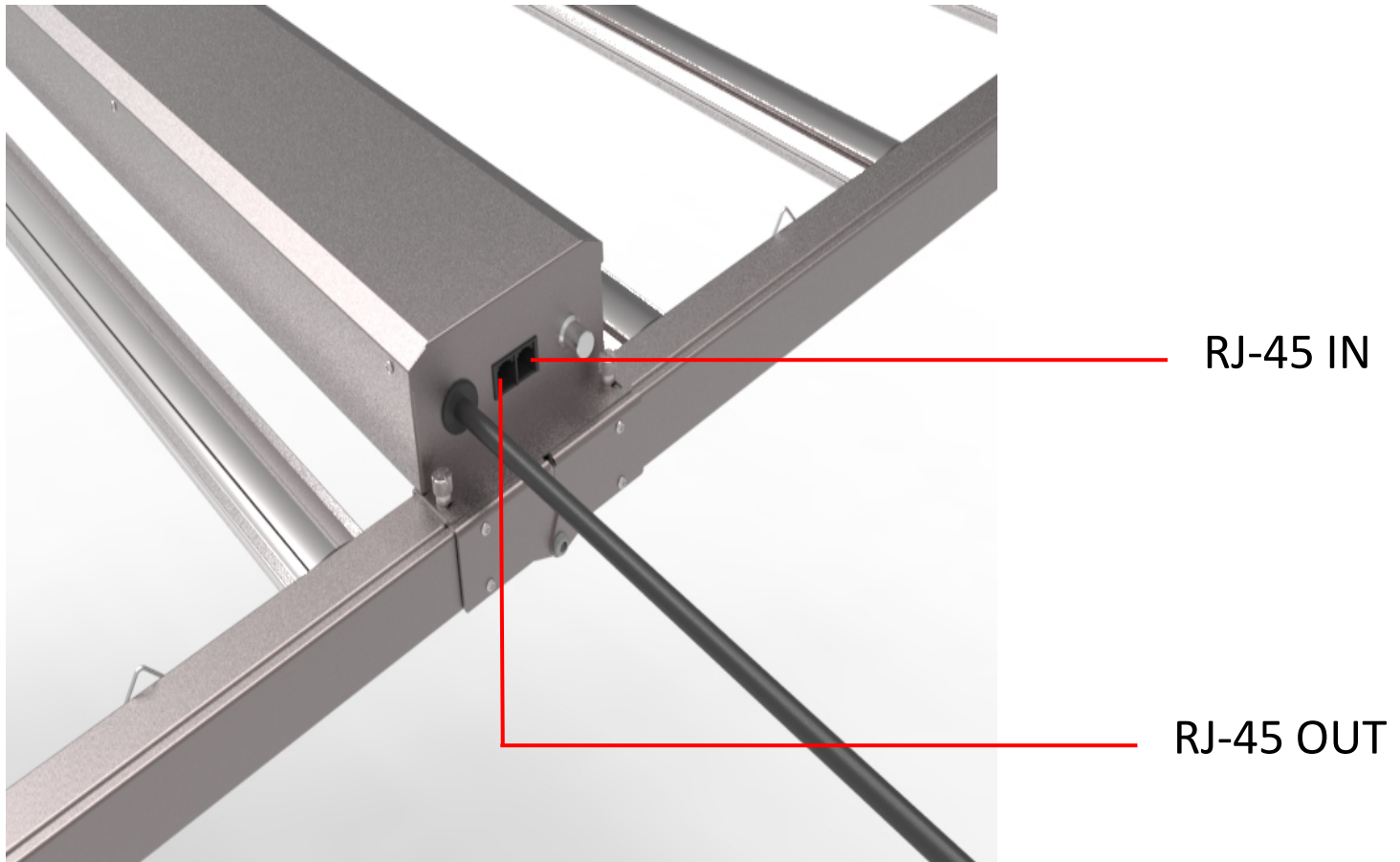
AC parallel
connector

DC
Connector



GLS2 Grow lights

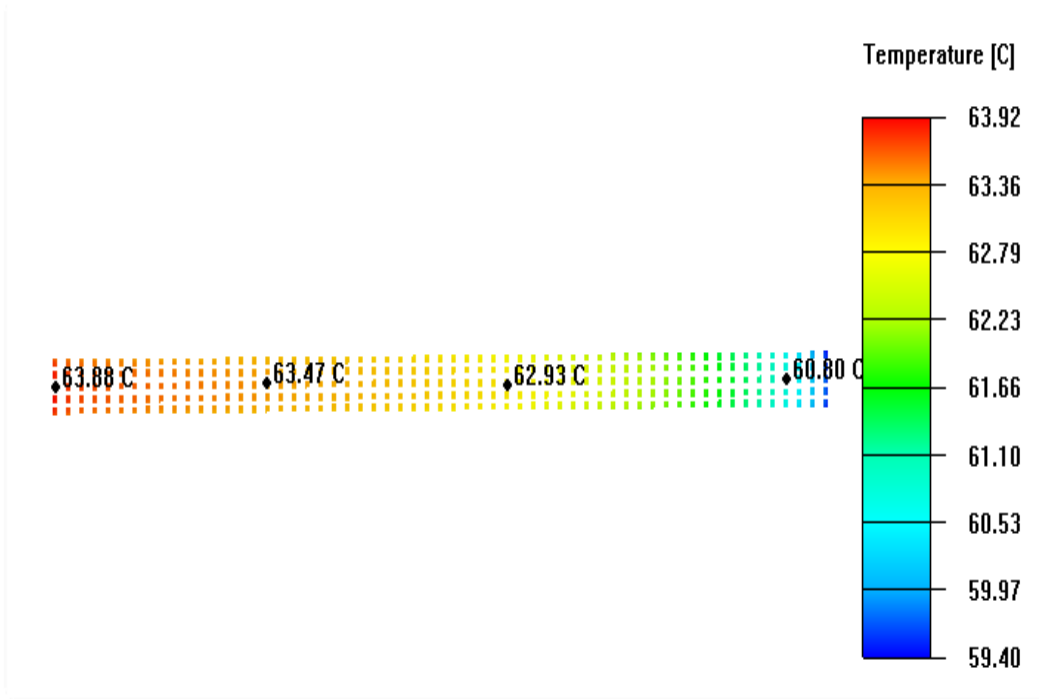
- 1 IN & 1 OUT RJ-45 interfaces on each light for connecting multiple lights in parallel with network cables
- MAX connections: +/- 50pcs



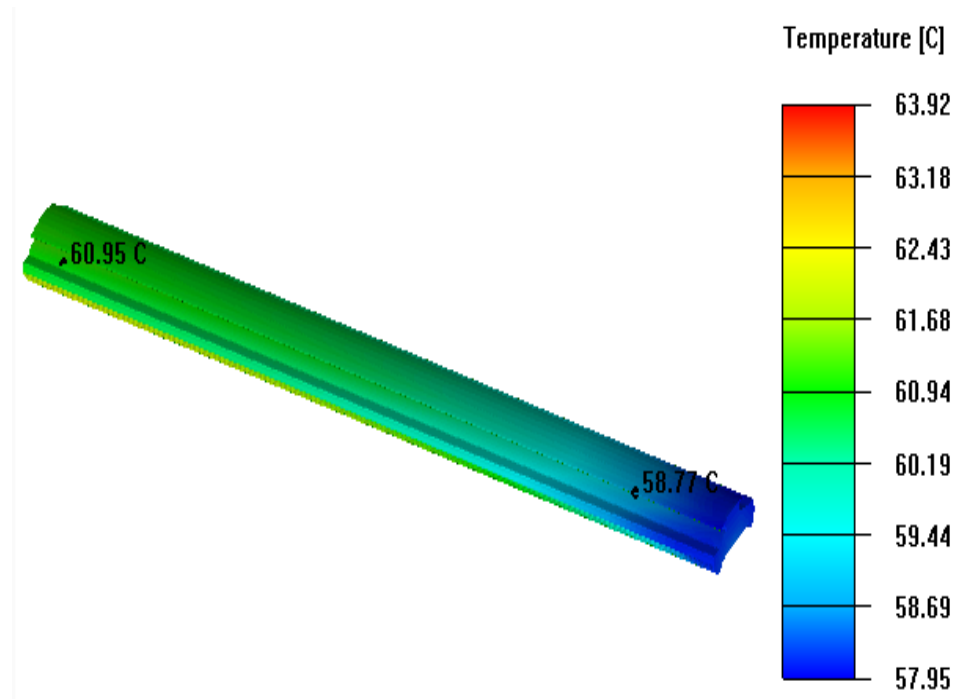


GLS2 Grow lights

Extreme limited heat, will not cause damage to plants



Heat Dissipation simulation diagram of LED Chips



Heat Dissipation simulation diagram of Light Strips



EAG-GLS2-960W



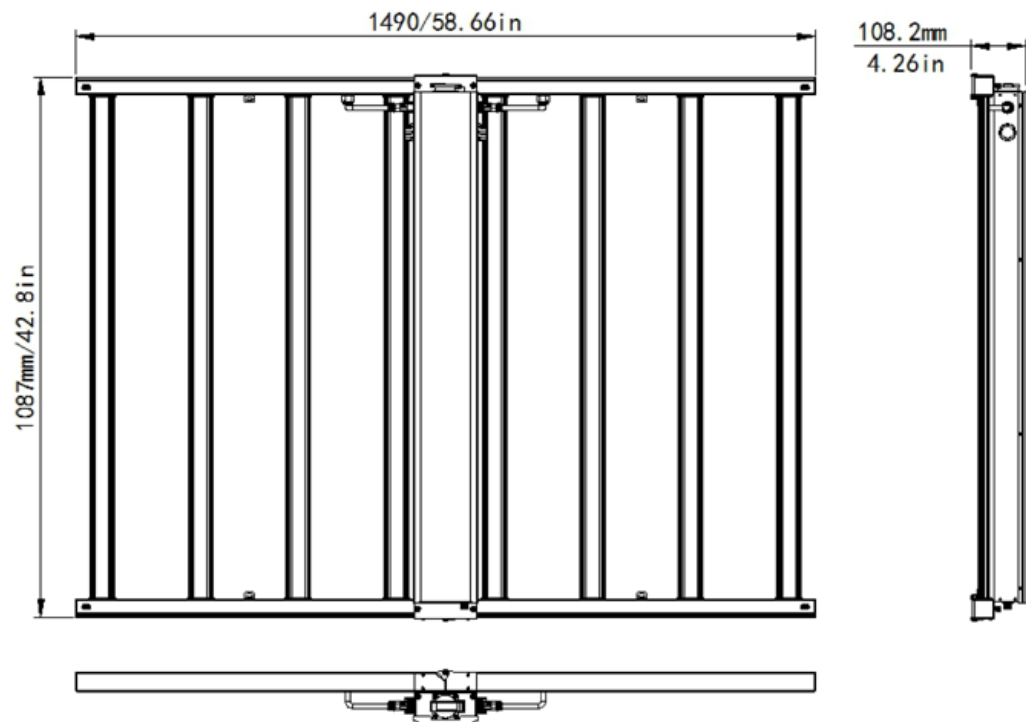
Advantages

- 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.
- Can be connected in parallel 2 according to customer requirements
- Green and eco-friendly without mercury.

Applications

- Green House
- Vertical Farming
- Marijuana Cultivation

DIMENSIONS





EAG-GLS2-960W

Specifications 1

Optical

Input Power (Tolerance : $\pm 10\%$)	960W(100%)
Photosynthetic photon flux (Tolerance : $\pm 10\%$)	2496 μmols
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-GLS2-960W

Specifications 2

Materials

Housing	Aluminum Alloy
Housing Color	Silver or Customized
Waterproof Rating	DAMP

Others

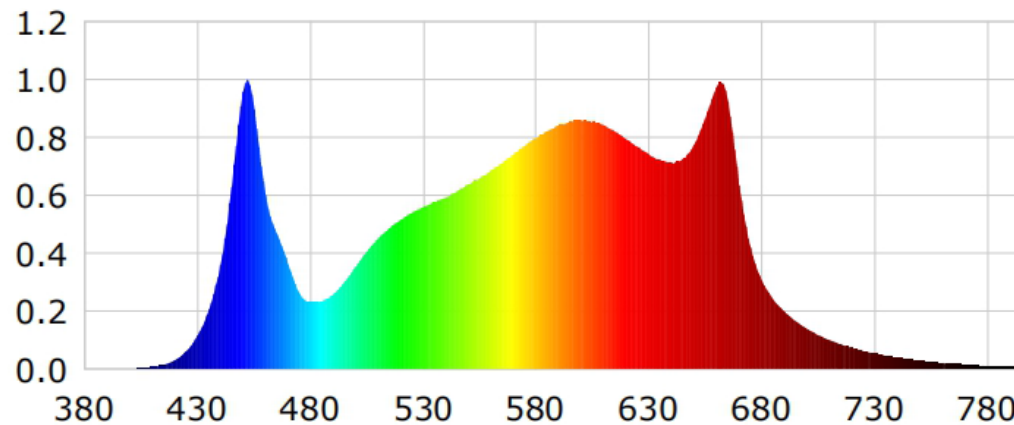
Operating Temperature	-40℃ TO 50℃
Operating Humidity	10%-90% RH
Storage Temperature	-40℃ TO 80℃
Storage Humidity	10%-95% RH
Warranty Time	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃.



EAG-GLS2-960W

Spectrum

Full Spectrum



Photometric Parameters

Luminous Flux: 154580.11 lm

EEI: 0.09

PAR: 513.255 W

PF1: 382.858 umol/s(400~500nm)

PF3: 1109.115 umol/s(600~700nm)

Efficiency: 160.17 lm/W

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

PPF: 2455.160 umol/s

PF2: 963.177 umol/s(500~600nm)

PFfr: 79.338 umol/s(700~800nm)

Radiant Power: 525.877 W

R/B: 2.1

PPE: 2.544 umol/s/w PF: 2534.612 umol/s

Electric Parameters

Voltage: 276.80V

Power Factor: 0.9340

Current: 3.7330A

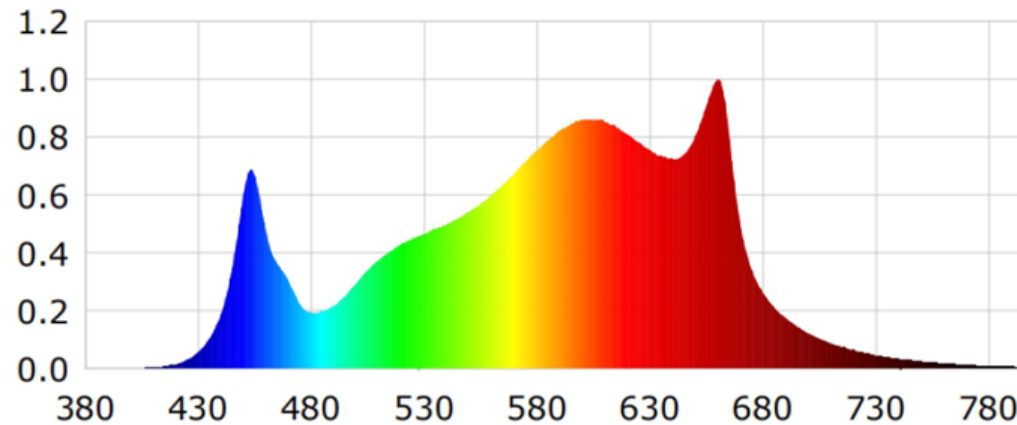
Frequency: 59.99Hz

Power: 965.10W



EAG-GLS2-960W

Indoor Spectrum



Photometric Parameters

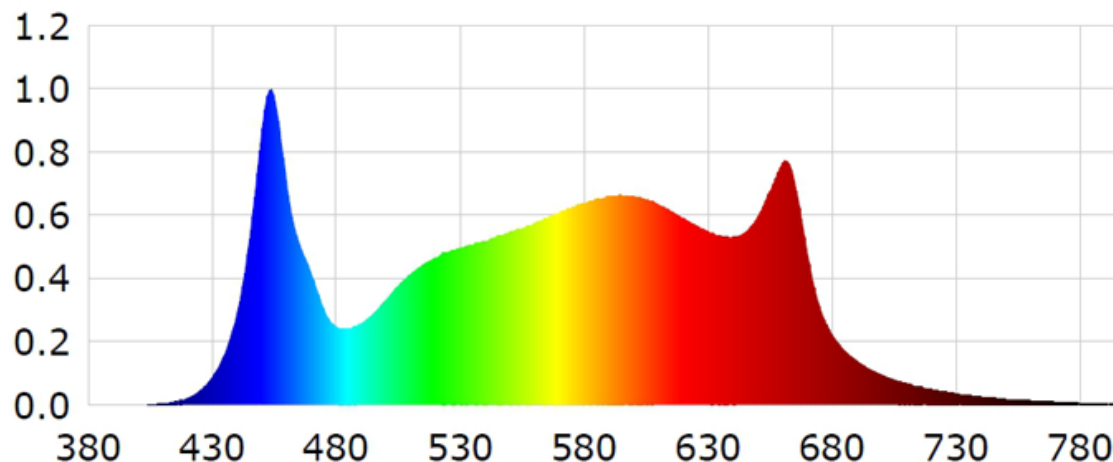
Luminous Flux: 150687.55 lm	Efficiency: 159.66 lm/W	Radiant Power: 500.214 W
EEI: 0.09	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 488.641 W	PPF: 2368.534 umol/s	R/B: 2.9
PF1: 292.111 umol/s(400~500nm)	PF2: 922.123 umol/s(500~600nm)	
PF3: 1154.291 umol/s(600~700nm)	PFfr: 72.693 umol/s(700~800nm)	PPE: 2.510 umol/s/w PF: 2441.319 umol/s

Electric Parameters

Voltage: 275.50V	Current: 3.6700A	Power: 943.80W
Power Factor: 0.9340	Frequency: 60.00Hz	



Greenhouse Spectrum



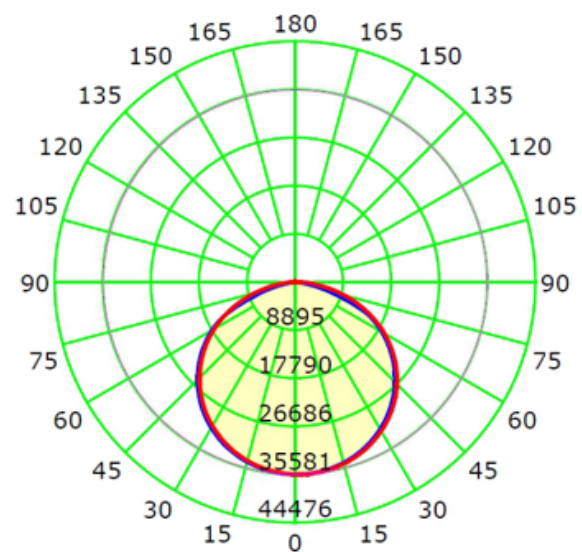
Photometric Parameters

Luminous Flux: 157374.25 lm	Efficiency: 161.48 lm/W	Radiant Power: 538.852 W
EEI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 528.133 W	PPF: 2493.986 umol/s	R/B: 1.6
PF1:471.471 umol/s(400~500nm)	PF2:993.305 umol/s(500~600nm)	
PF3:1029.203 umol/s(600~700nm)	PFfr:67.228 umol/s(700~800nm)	PPE:2.559 umol/s/w PF:2561.343 umol/s

Electric Parameters

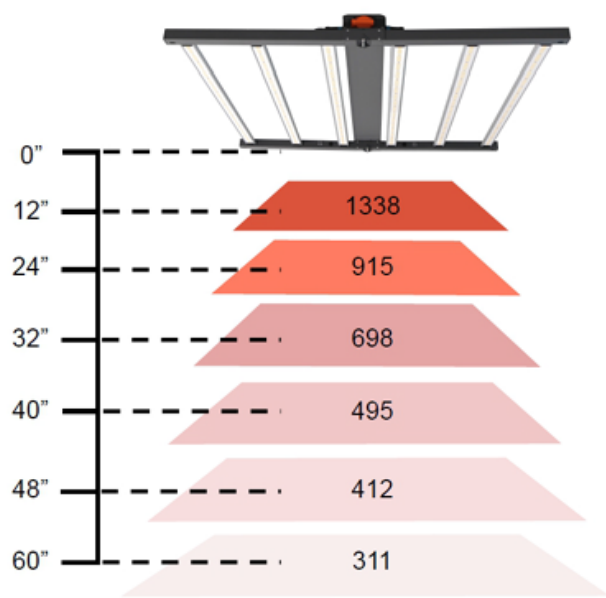
Voltage: 275.10V	Current: 3.6890A	Power: 974.60W
Power Factor: 0.9600	Frequency: 60.00Hz	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

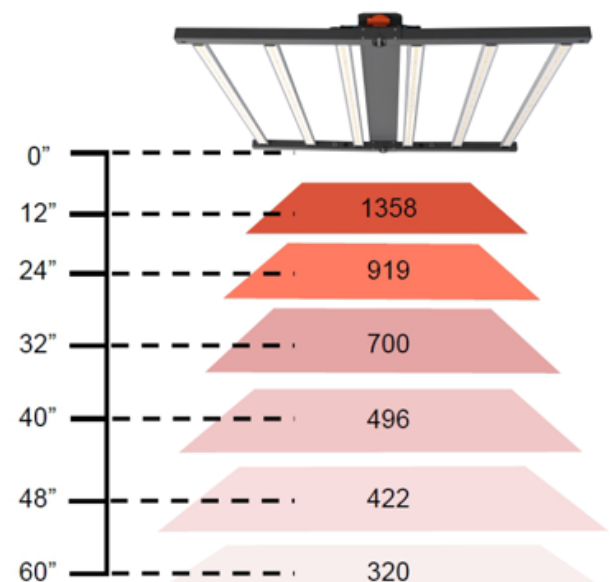


Unit: cd
Average Diffuse Angle(50%): 121.3°

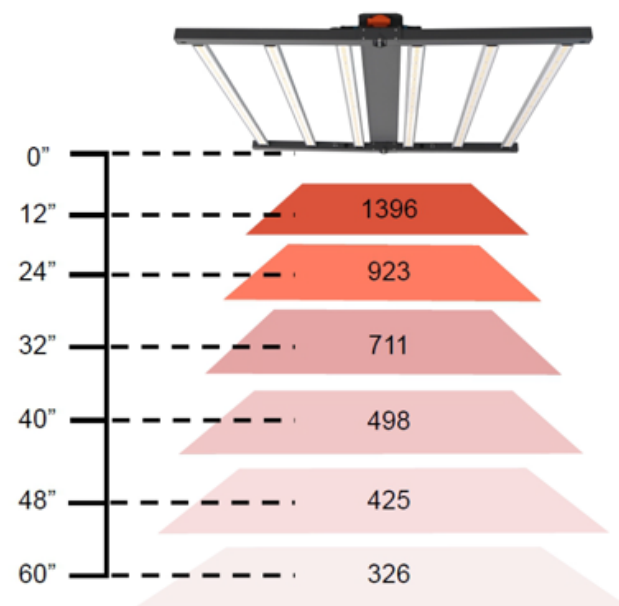
— C0-C180 — C90-C270 — G2



Indoor Spectrum 960W 2.6µmol/J



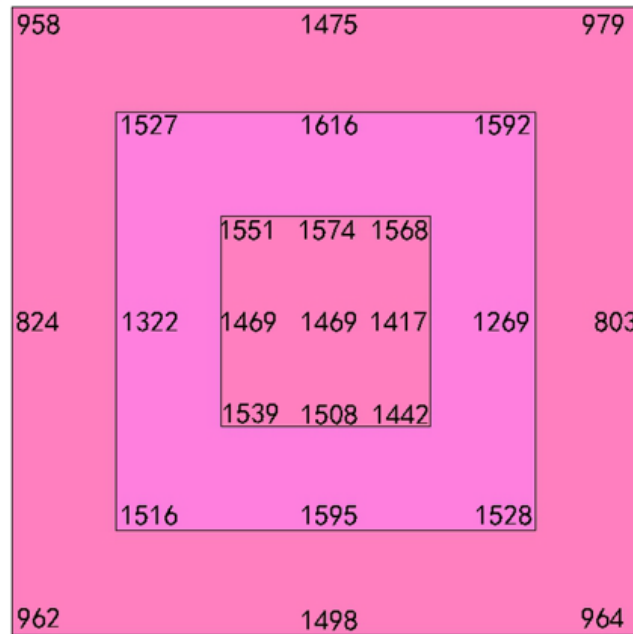
Full Spectrum 960W 2.6µmol/J



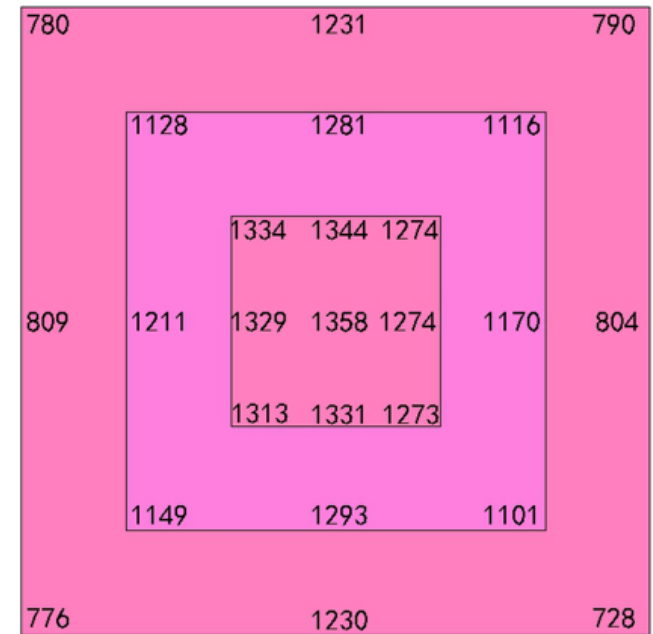
Greenhouse Spectrum 960W 2.6µmol/J



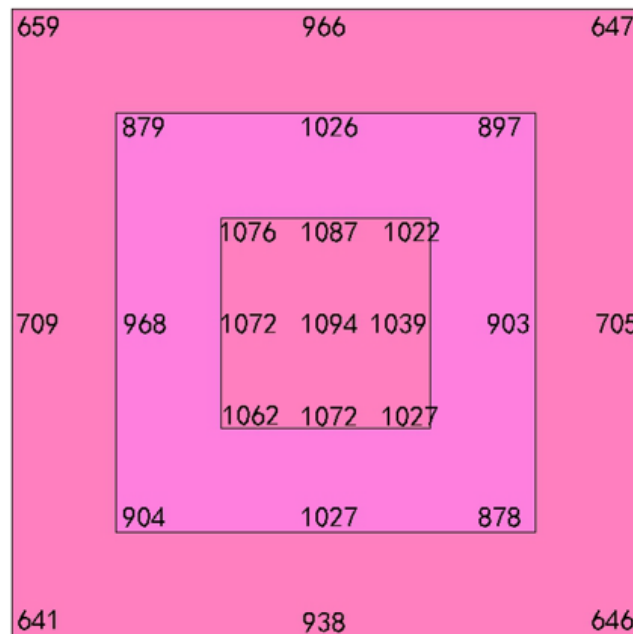
Full Spectrum



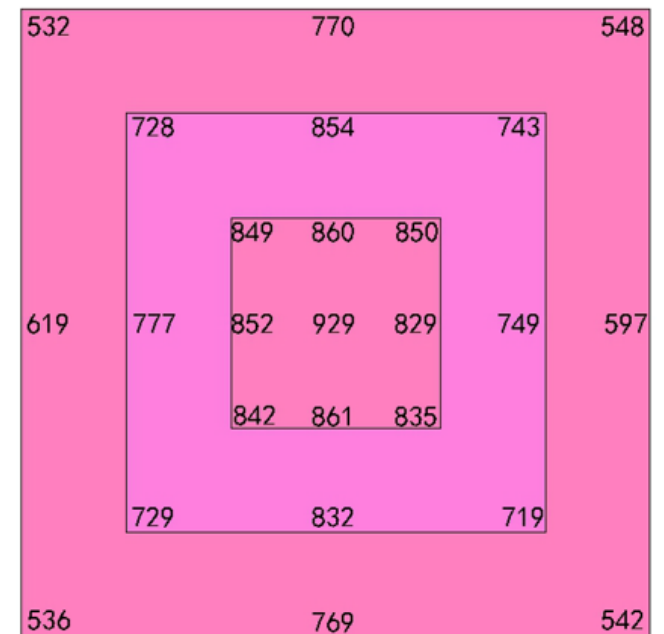
960W 6"/152mm Height



960W 12"/305mm Height



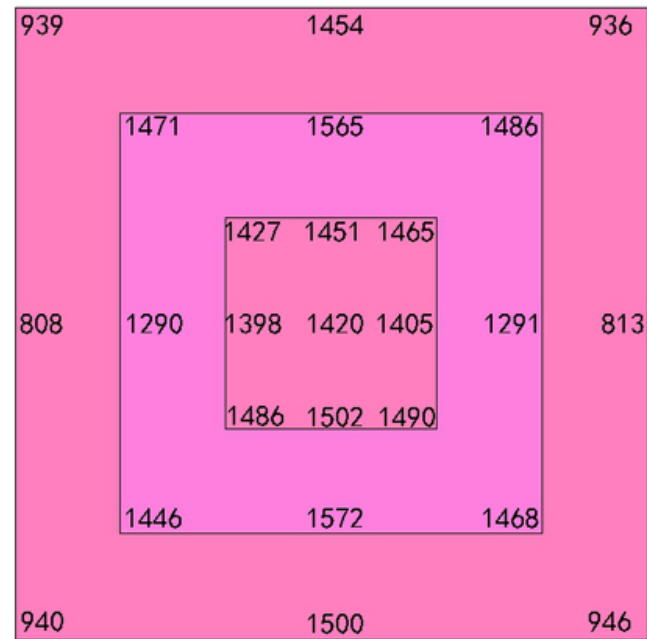
960W 18"/457mm Height



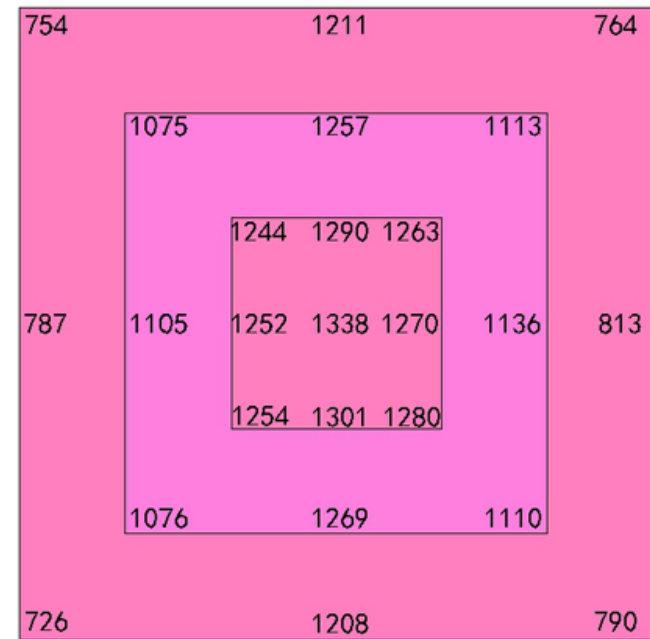
960W 24"/609mm Height



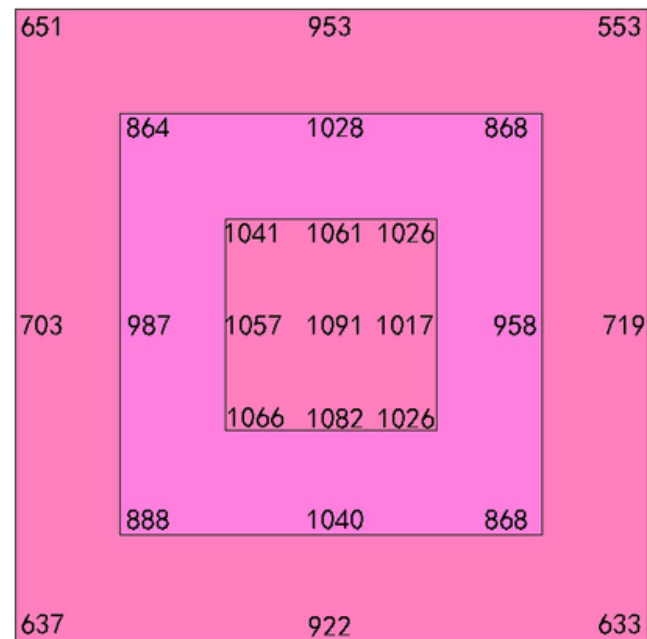
Indoor Spectrum



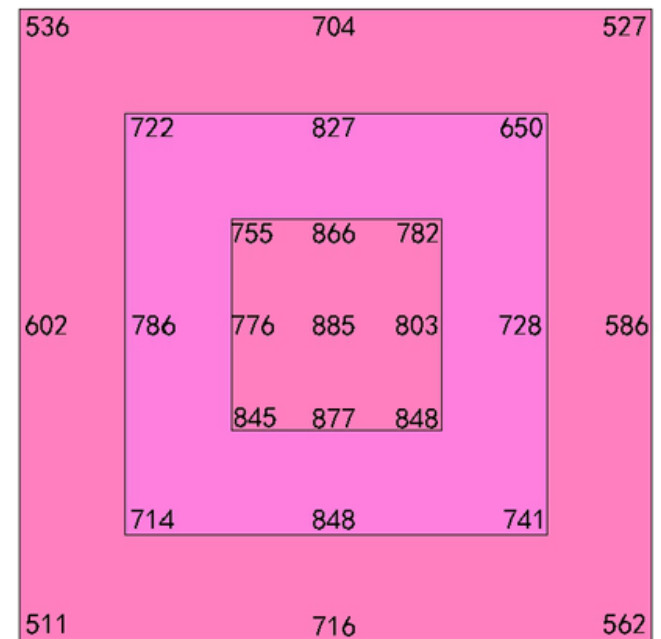
960W 6"/152mm Height



960W 12"/305mm Height



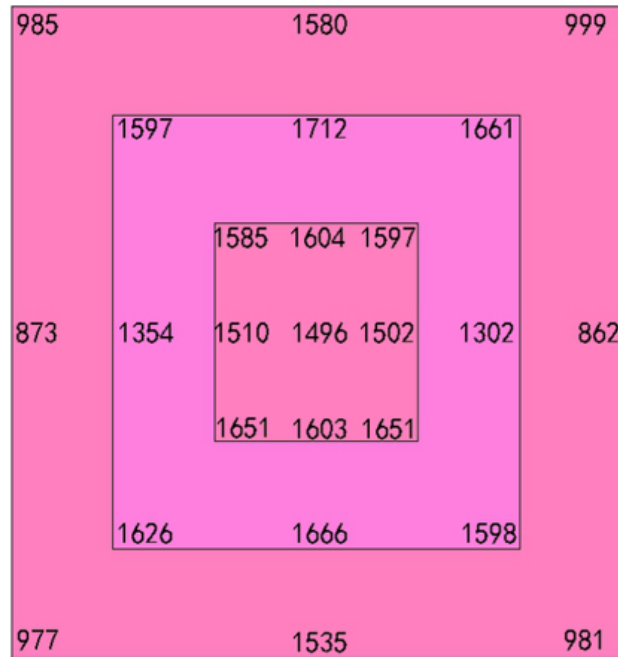
960W 18"/457mm Height



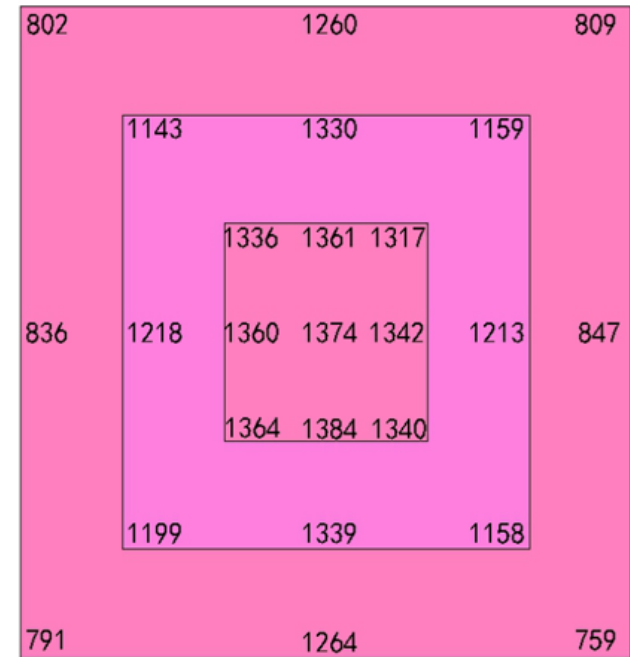
960W 24"/609mm Height



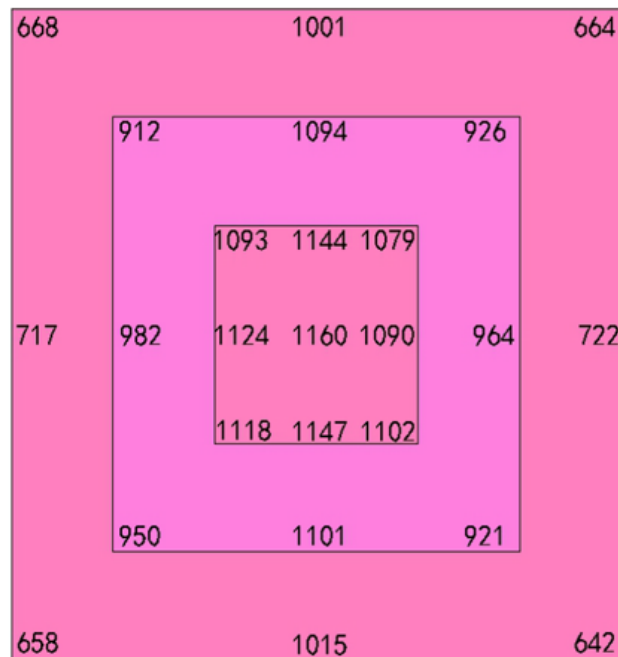
Greenhouse Spectrum



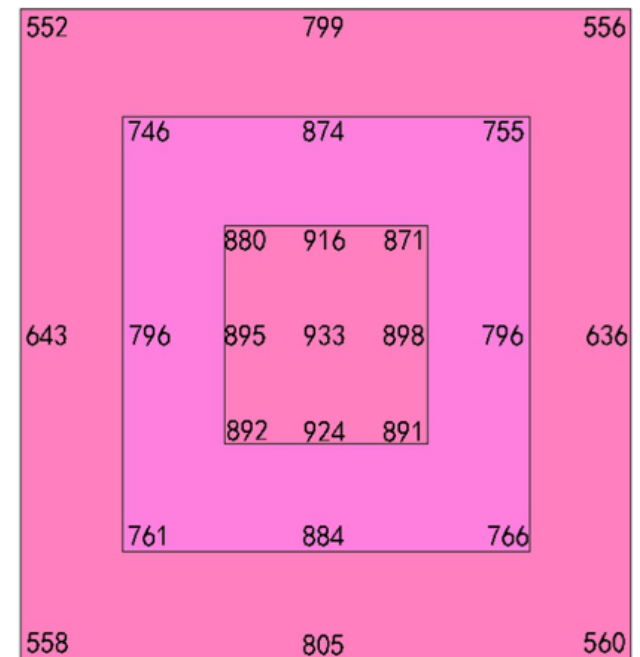
960W 6"/152mm Height



960W 12"/305mm Height



960W 18"/457mm Height

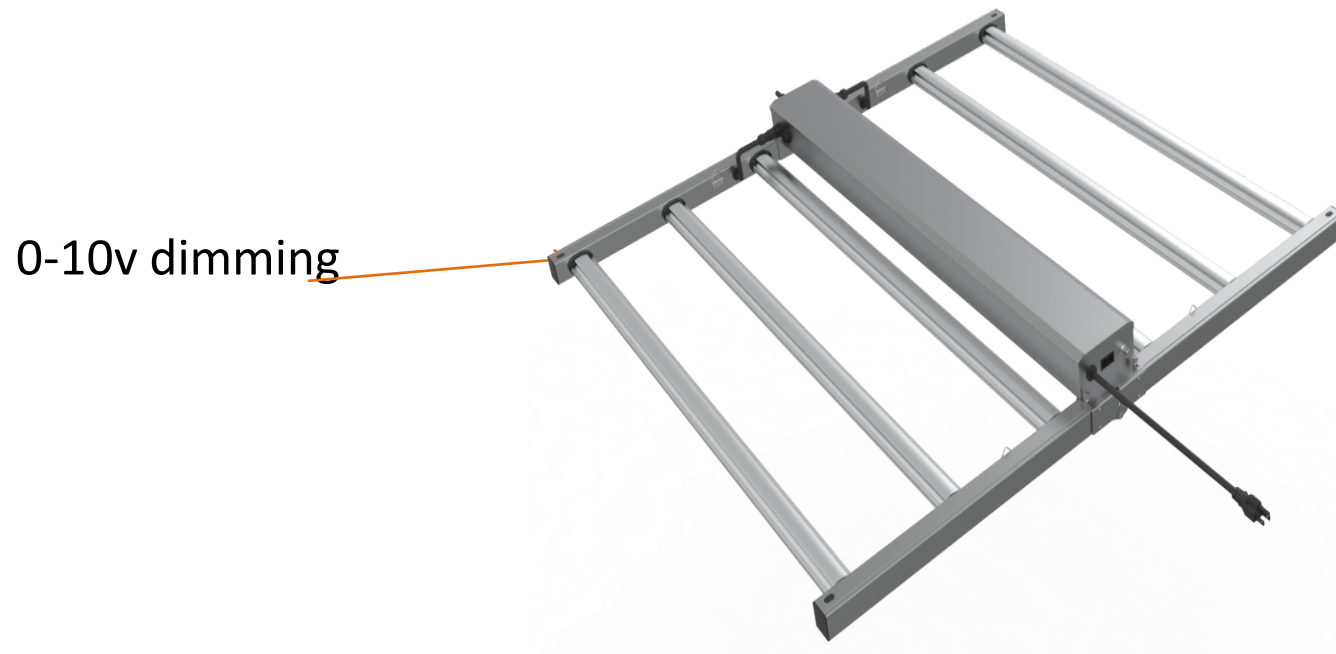


960W 24"/609mm Height



GLS2 Advantages

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

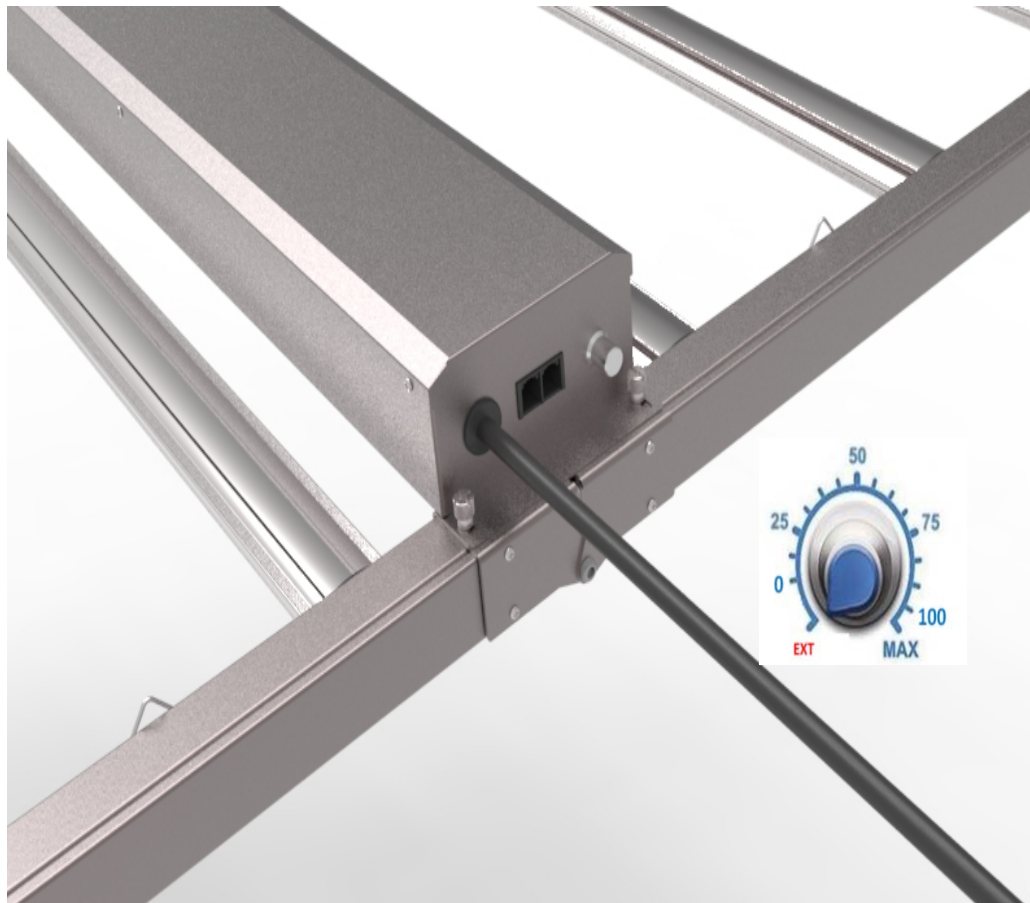


The height can be easily adjusted



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

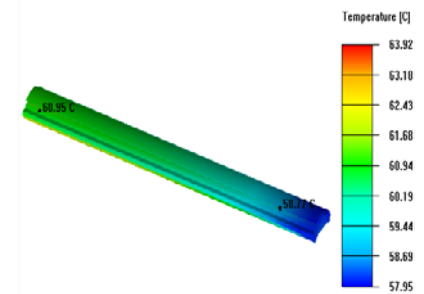
Other Advantages



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

EAG-LED GLOBAL

13046 Racetrack Rd • Tampa, FL 33626
813.463.2420 • savings@eag-led.com



www.eag-led.com