

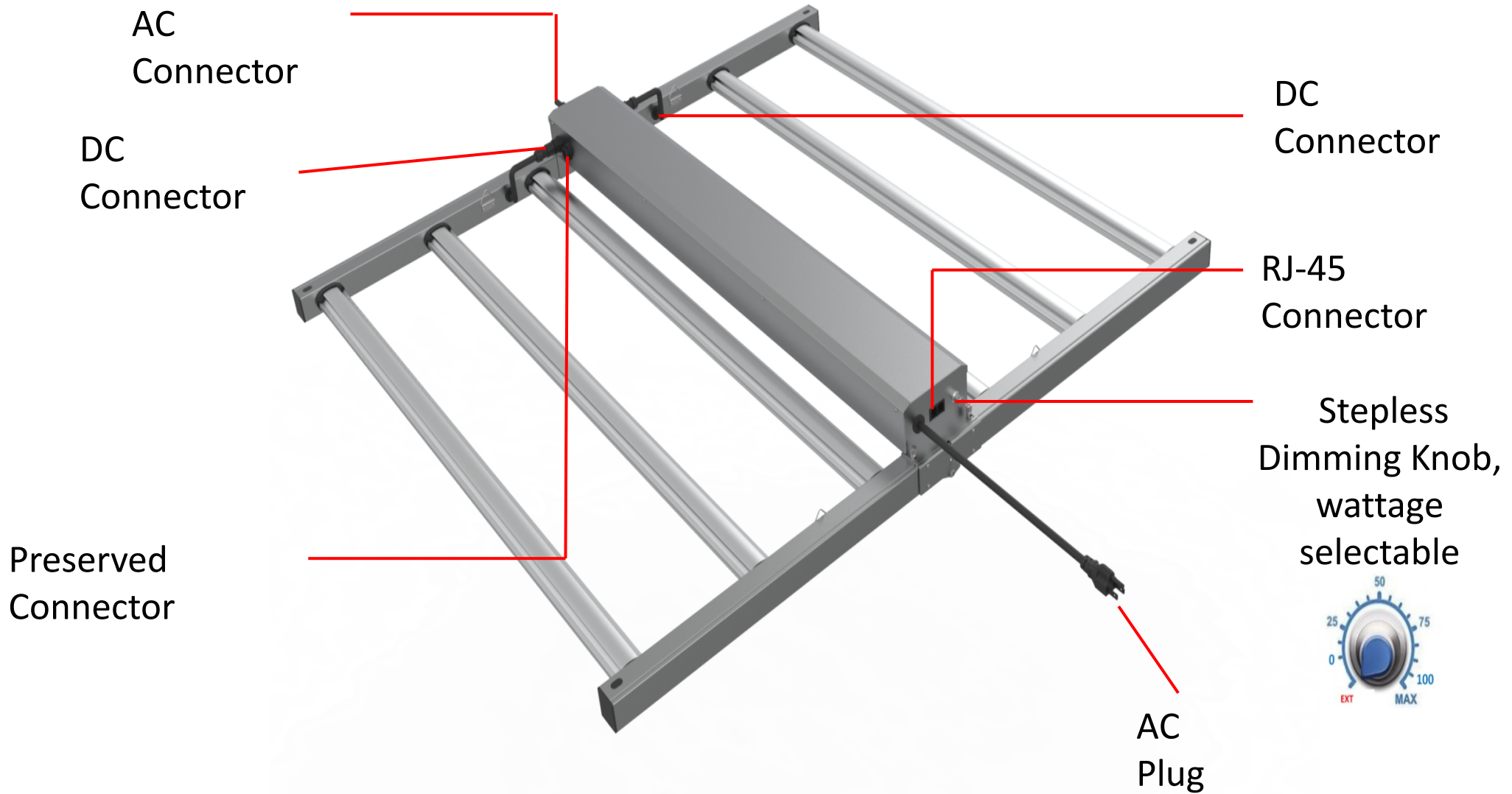
GLS2

480W

GROW LIGHTS



GLS2 Grow lights

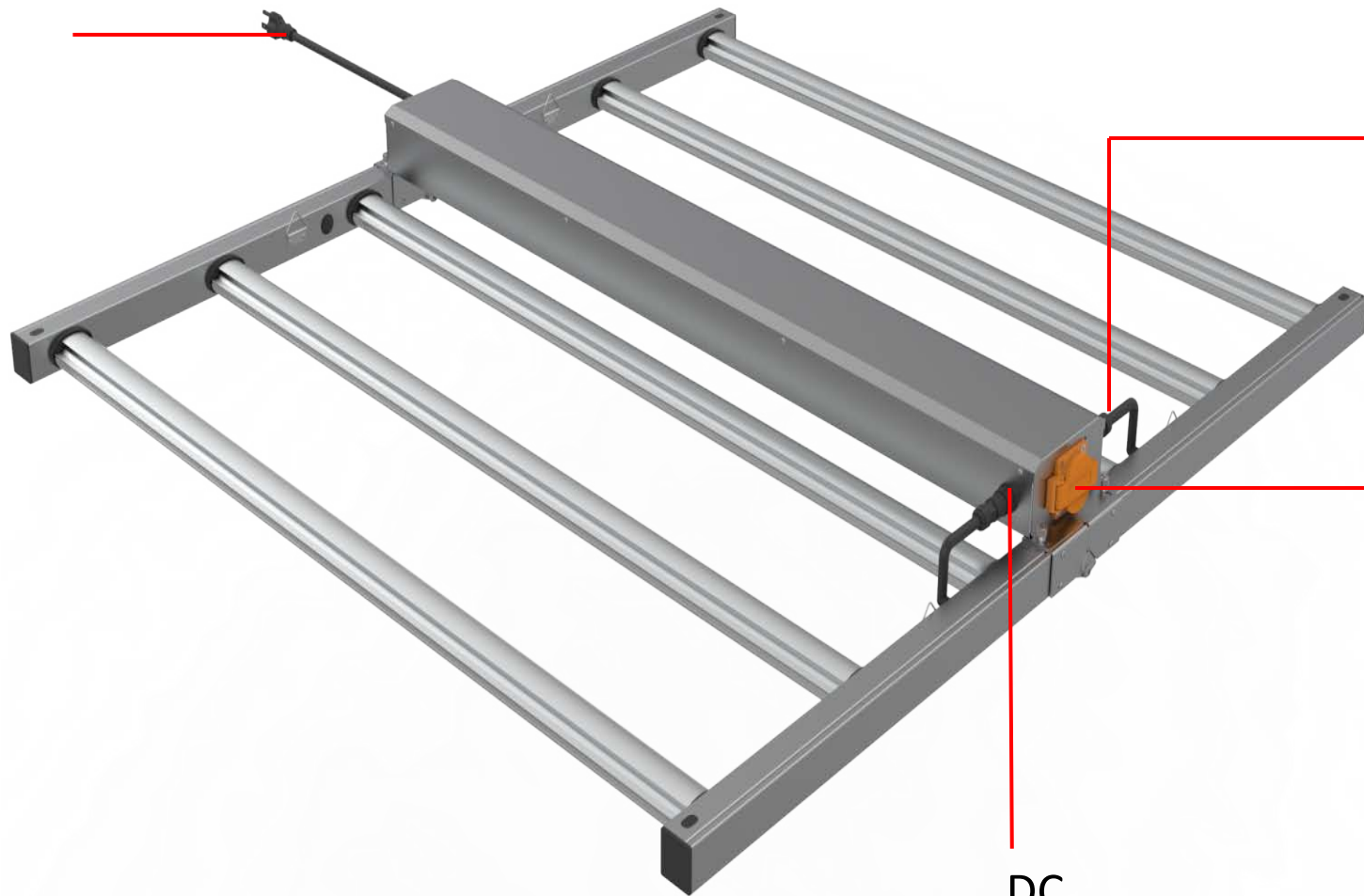




GLS2 Grow lights

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

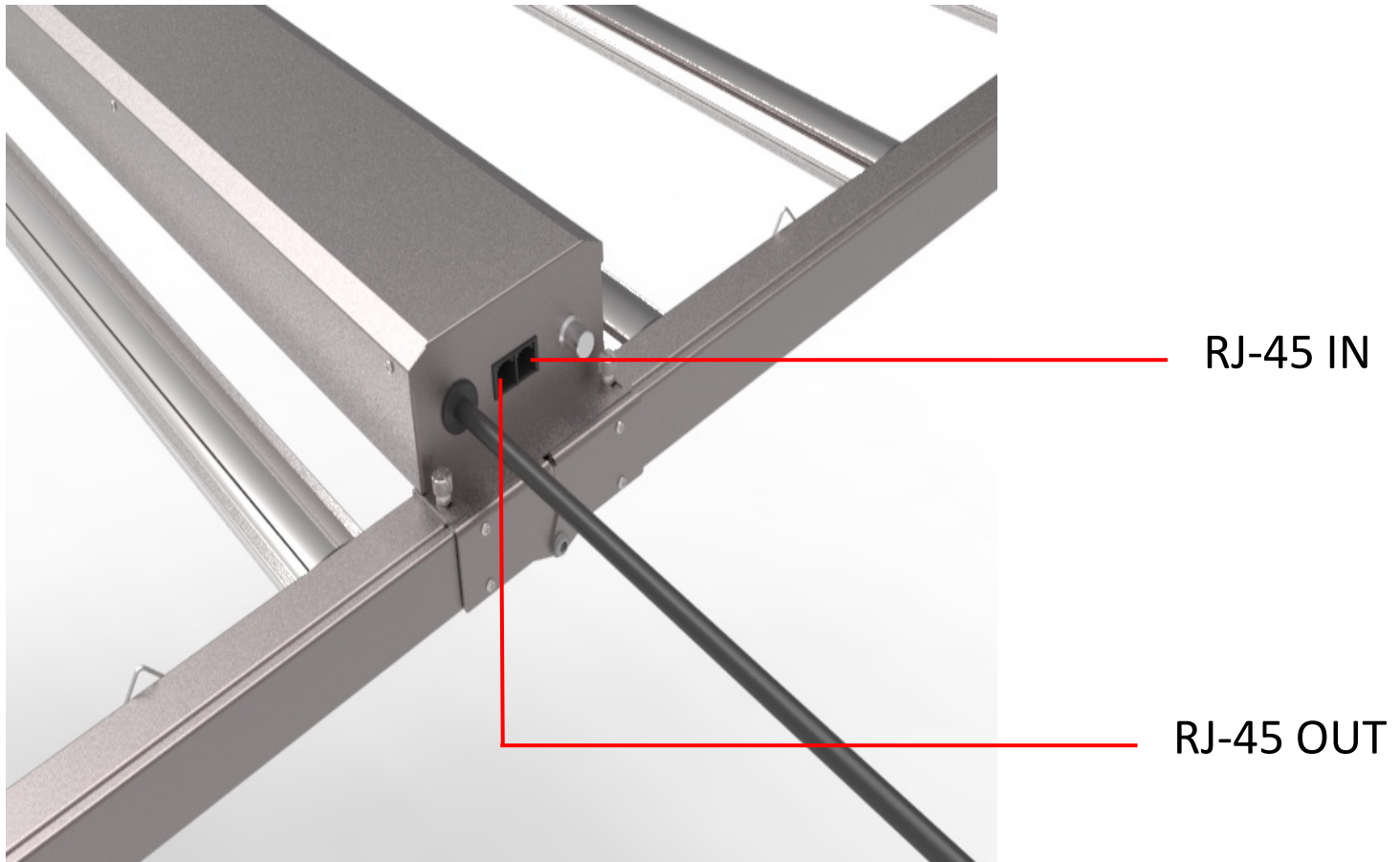
AC parallel
connector

DC
Connector



GLS2 Grow lights

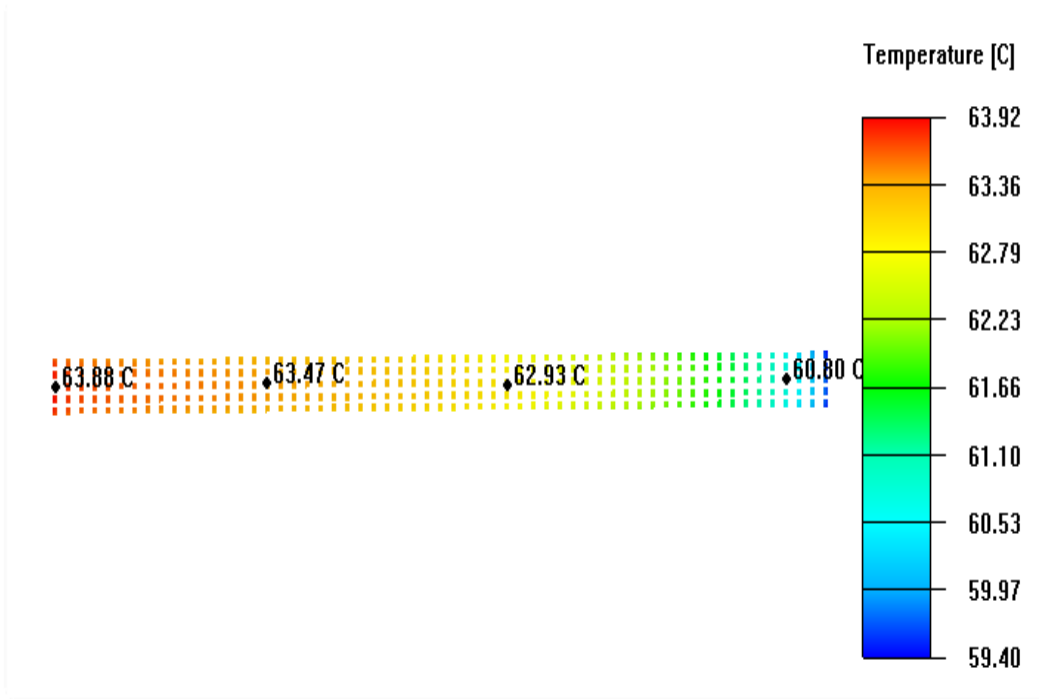
- 1 IN & 1 OUT RJ-45 interfaces on each light for connecting multiple lights in parallel with network cables
- MAX connections: +/- 50pcs



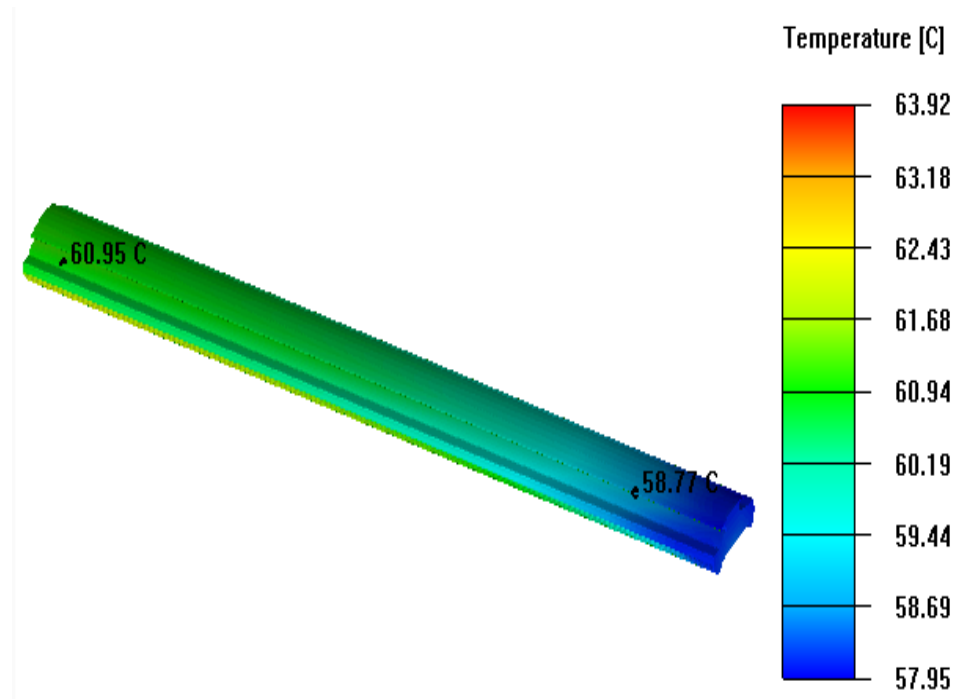


GLS2 Grow lights

Extreme limited heat, will not cause damage to plants



Heat Dissipation simulation diagram of LED Chips



Heat Dissipation simulation diagram of Light Strips



EAG-GLS2-480W



Advantages

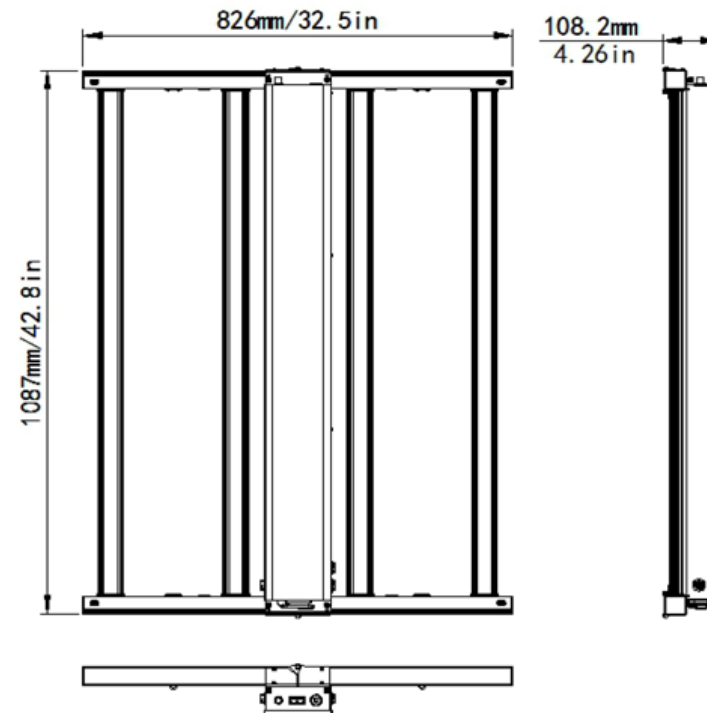
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Output constant current lever can be adjusted through output cable with 0-10V.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- When the input 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-GLS2-480W

Specifications 1

Optical	
Input Power (Tolerance : $\pm 10\%$)	480W(100%)
Photosynthetic photon flux (Tolerance : $\pm 10\%$)	1248 $\mu\text{mol/s}$
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-GLS2-480W

Specifications 2

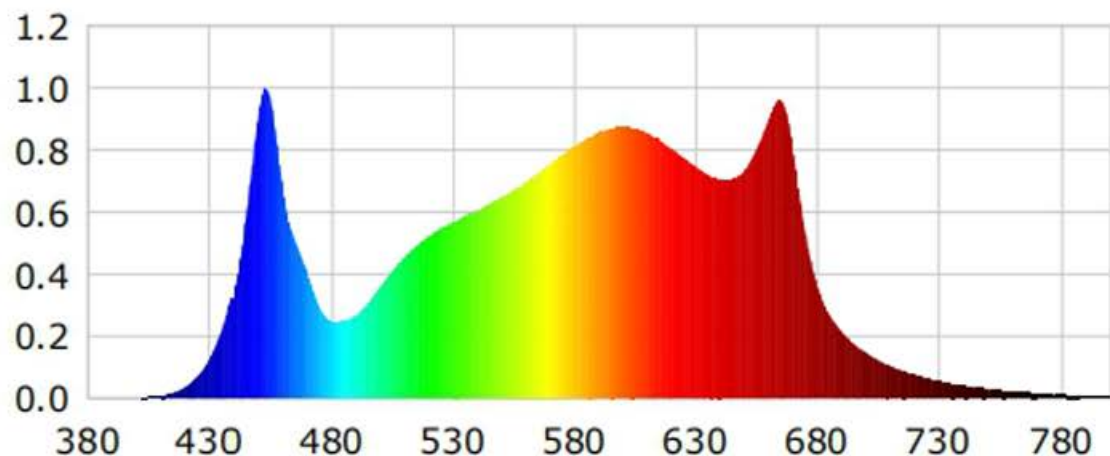
Materials	
Housing	Aluminum Alloy
Housing Color	Silver or Customized
Waterproof Rating	DAMP
Others	
Operating Temperature	-40℃ TO 50℃
Operating Humidity	10%-90% RH
Storage Temperature	-40℃ TO 80℃
Storage Humidity	10%-95% RH
Warranty Time	5 years warranty with 24/7 operating hours Luminaire lifetime at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



EAG-GLS2-480W

Spectrum

Full Spectrum



Photometric Parameters

Luminous Flux: 77021.70 lm

EEI: 0.08

PAR: 256.992 W

PF1:194.273 umol/s(400~500nm)

PF3:554.511 umol/s(600~700nm)

Efficiency: 160.73 lm/W

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

PPF: 1229.348 umol/s

PF2:480.557 umol/s(500~600nm)

PFfr:40.556 umol/s(700~800nm)

Radiant Power: 263.441 W

R/B: 2.0

PPE:2.565 umol/s/w PF:1269.964 umol/s

Electric Parameters

Voltage: 276.60V

Power Factor: 0.9320

Current: 1.8600A

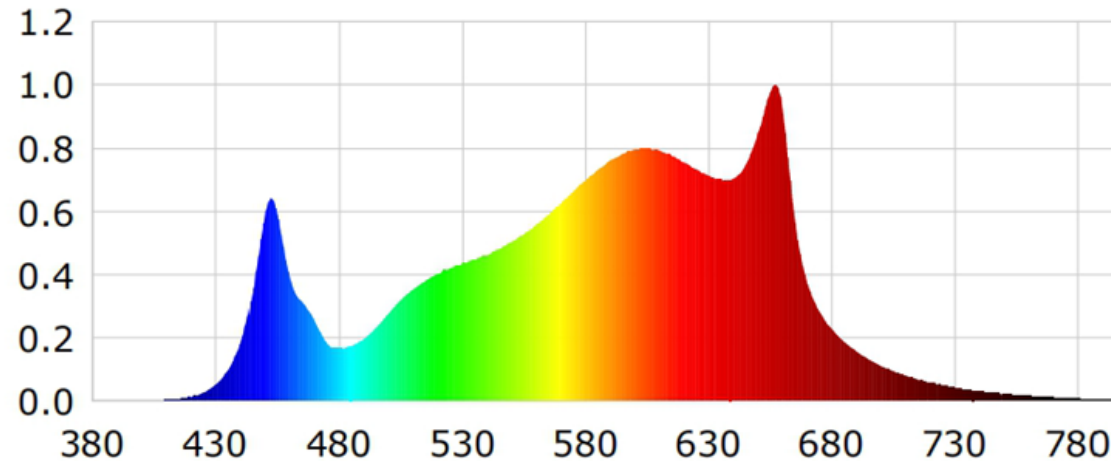
Frequency: 60.00Hz

Power: 479.20W



EAG-GLS2-480W

Indoor Spectrum



Photometric Parameters

Luminous Flux: 77172.24 lm	Efficiency: 162.33 lm/W	Radiant Power: 254.575 W
EEI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 248.847 W	PPF: 1206.811 umol/s	R/B: 3.0
PF1:144.287 umol/s(400~500nm)	PF2:471.626 umol/s(500~600nm)	
PF3:590.896 umol/s(600~700nm)	PFfr:35.782 umol/s(700~800nm)	PPE:2.539 umol/s/w PF:1242.624 umol/s

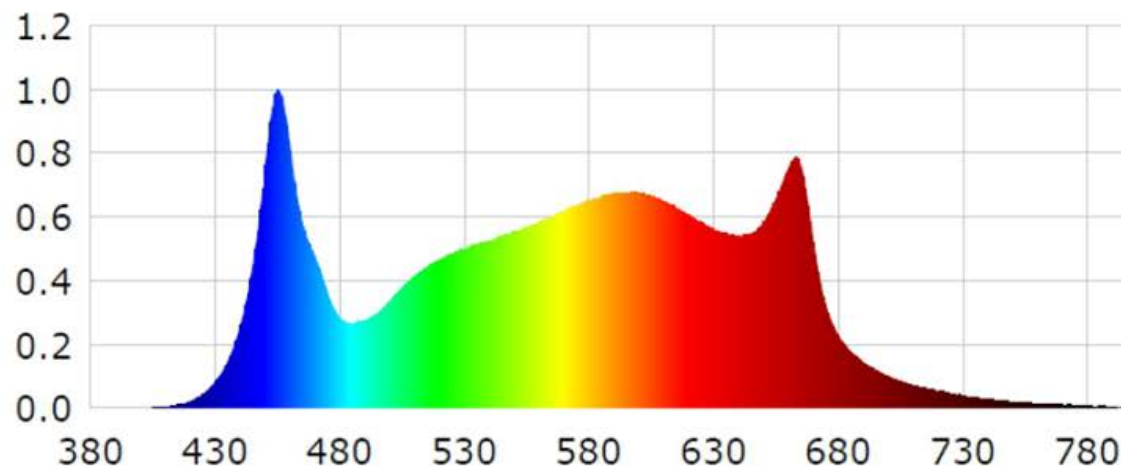
Electric Parameters

Voltage: 278.00V	Current: 1.8350A	Power: 475.40W
Power Factor: 0.9320	Frequency: 60.00Hz	



EAG-GLS2-480W

Greenhouse Spectrum



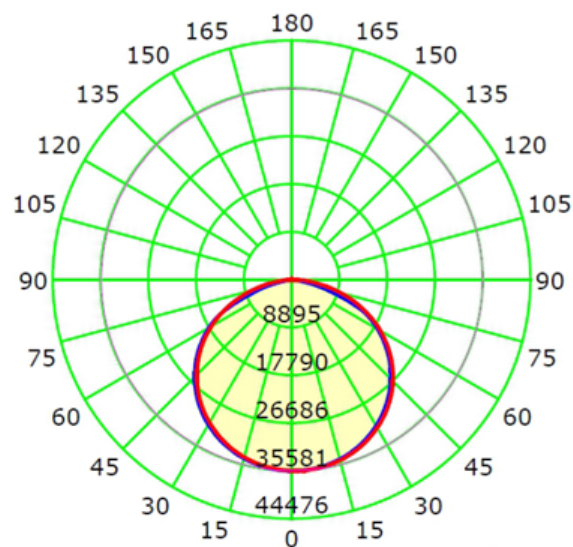
Photometric Parameters

Luminous Flux: 75182.77 lm	Efficiency: 161.06 lm/W	Radiant Power: 257.813 W
EEI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 252.487 W	PPF: 1192.847 umol/s	R/B: 1.6
PF1:227.401 umol/s(400~500nm)	PF2:472.914 umol/s(500~600nm)	
PF3:492.530 umol/s(600~700nm)	PFfr:33.429 umol/s(700~800nm)	PPE:2.555 umol/s/w PF:1226.327 umol/s

Electric Parameters

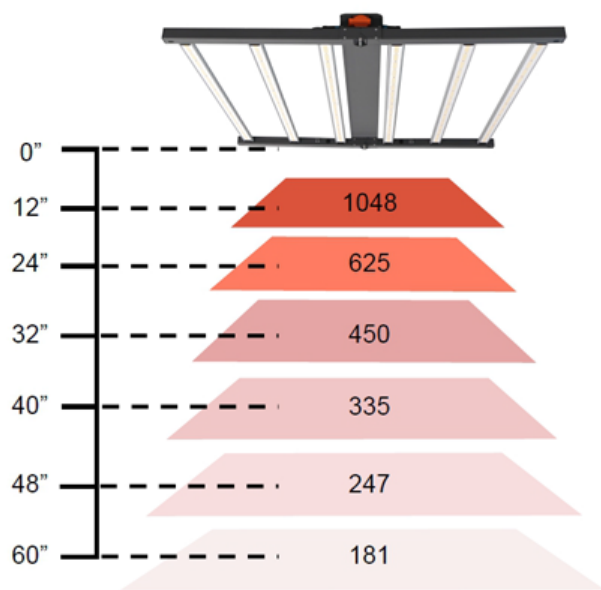
Voltage: 276.10V	Current: 1.8170A	Power: 466.80W
Power Factor: 0.9310	Frequency: 59.99Hz	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

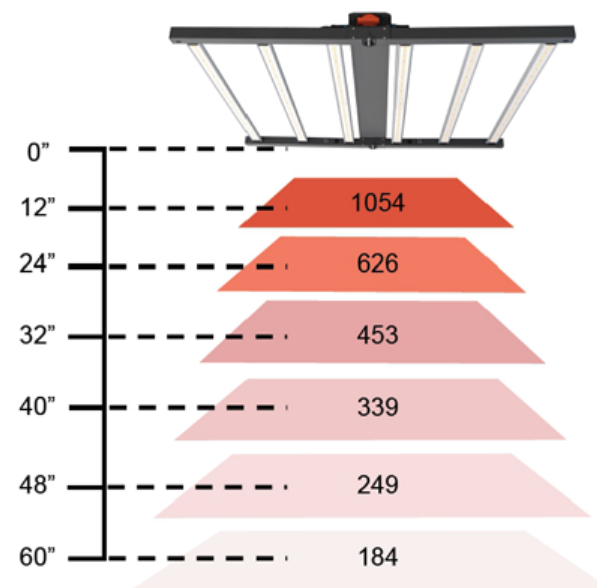


Unit: cd
Average Diffuse Angle(50%): 121.3°

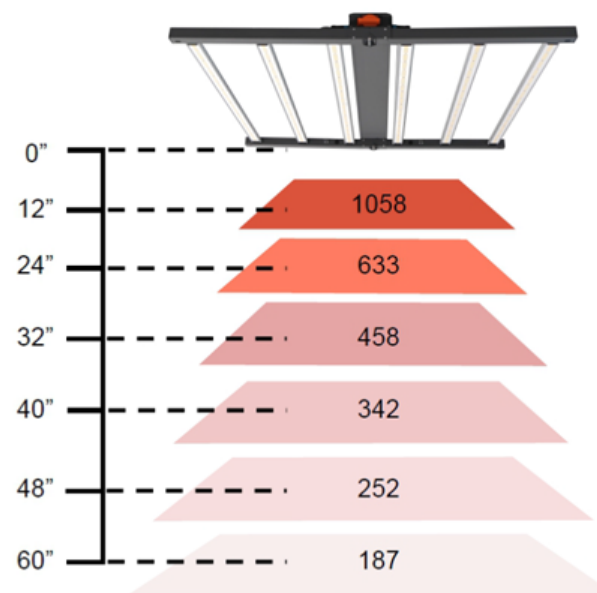
— C0-C180 — C90-C270 — G2



Indoor Spectrum 480W 2.6μmol/J



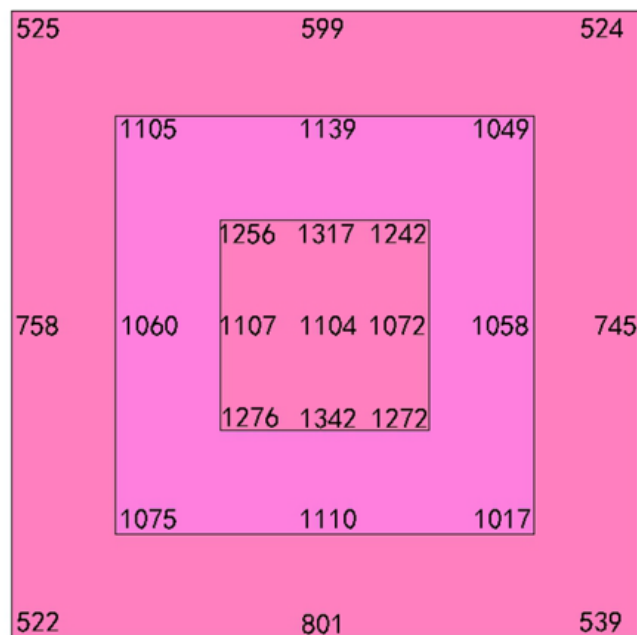
Full Spectrum 480W 2.6μmol/J



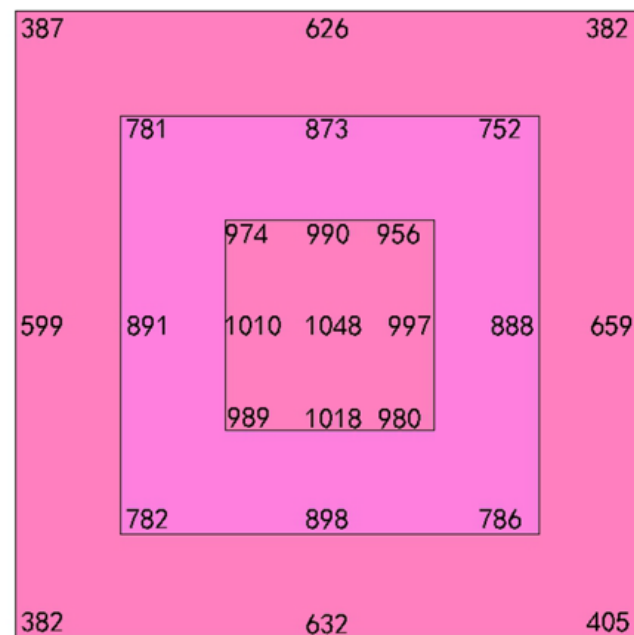
Greenhouse Spectrum 480W 2.6μmol/J

PPFD

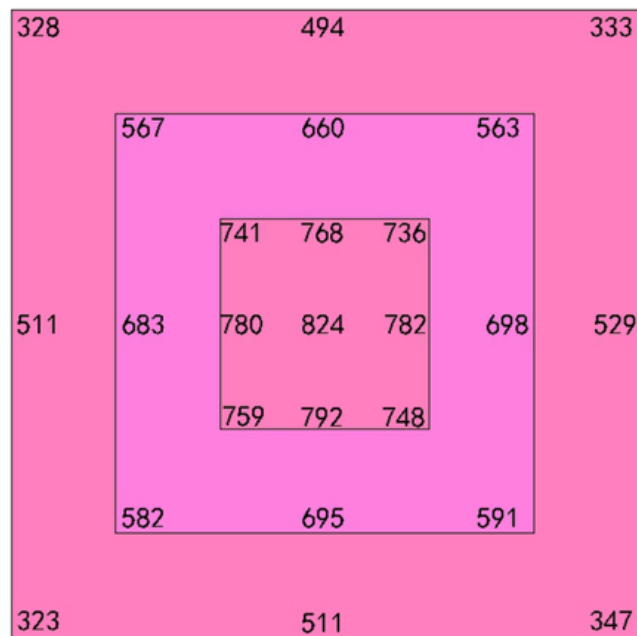
Full Spectrum



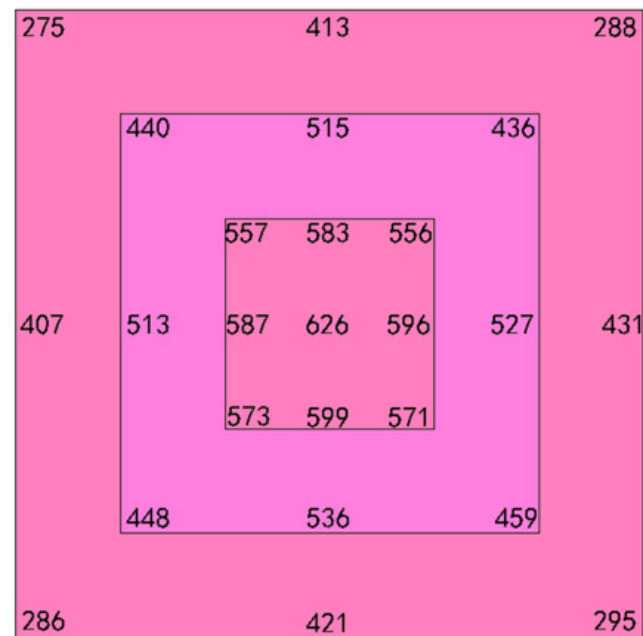
480W 6"/152mm Height



480W 12"/305mm Height

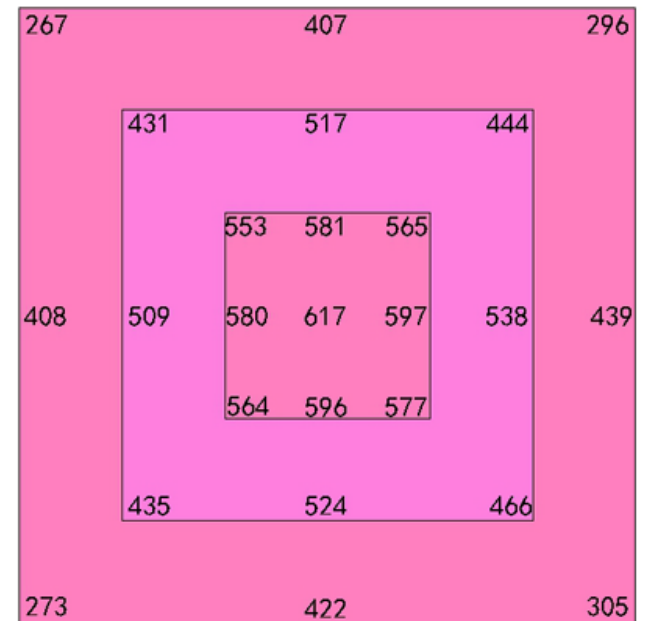
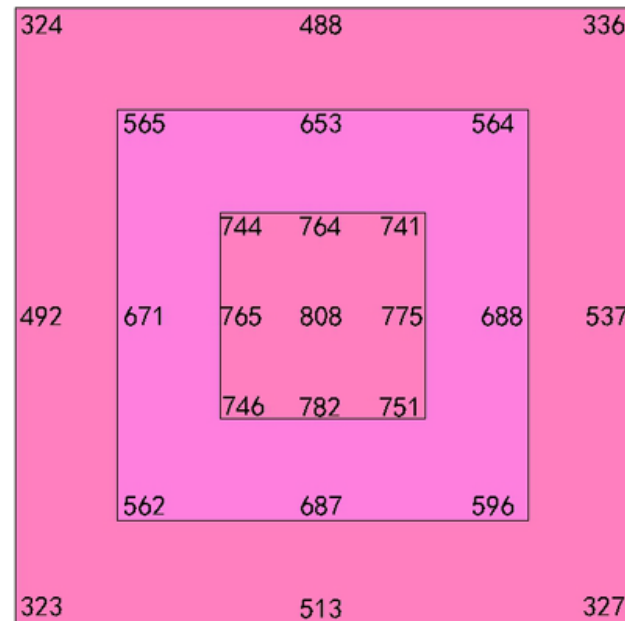
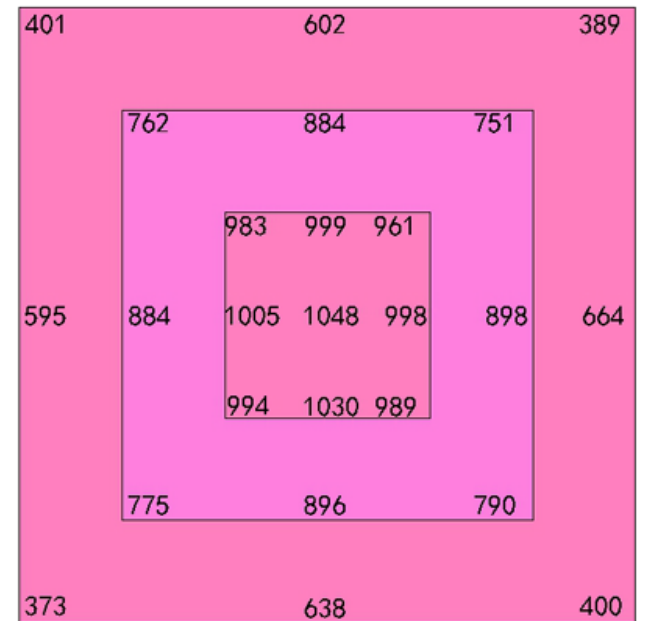
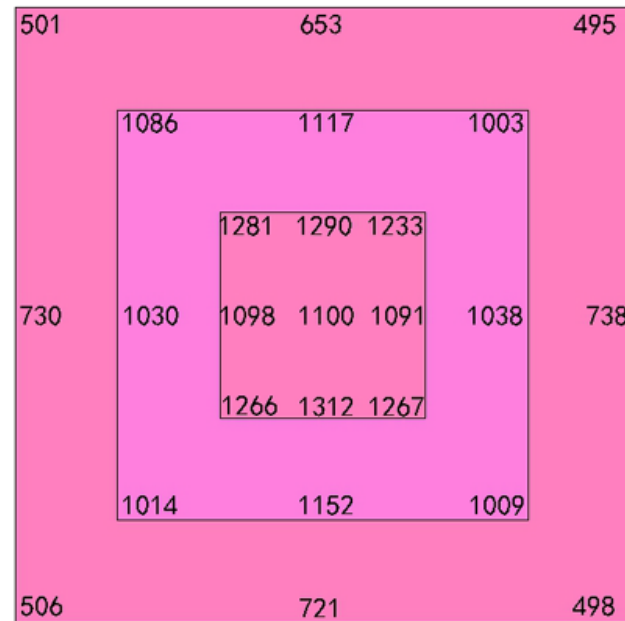


480W 18"/457mm Height

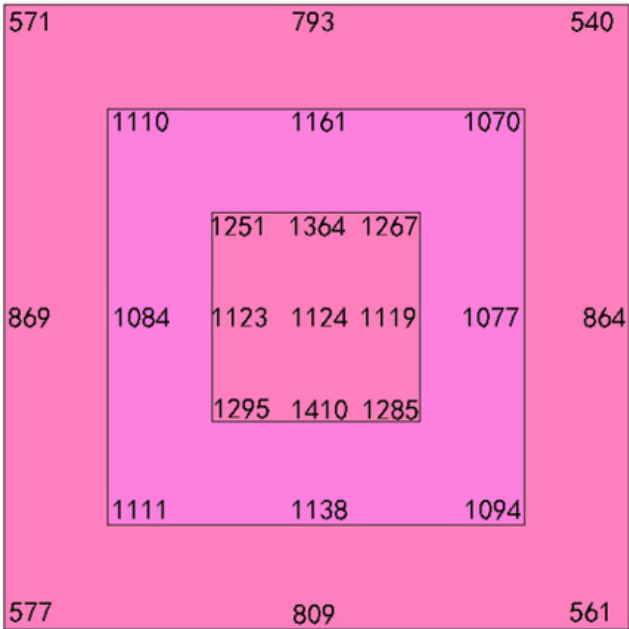


480W 24"/609mm Height

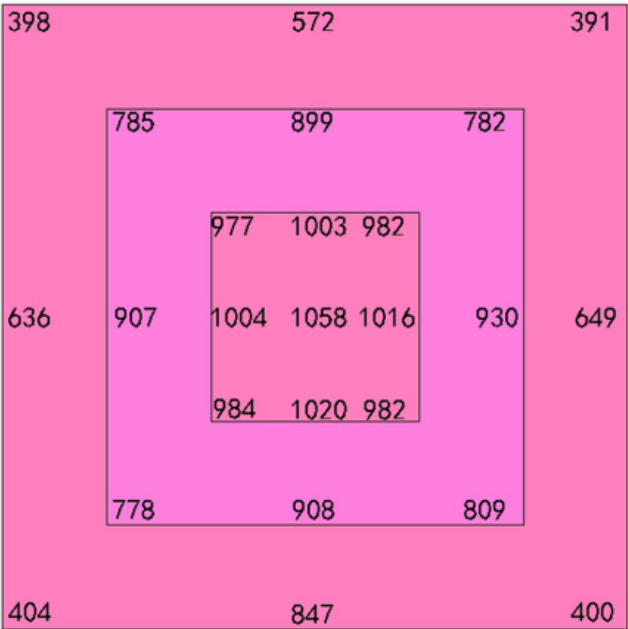
Indoor Spectrum



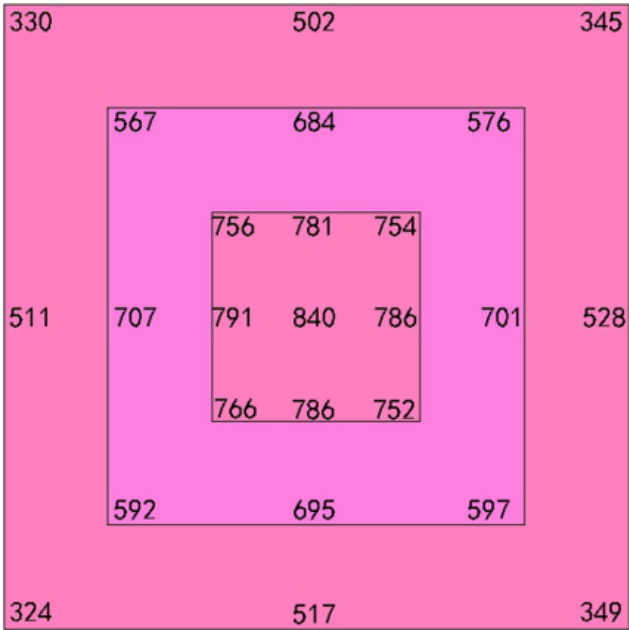
Greenhouse Spectrum



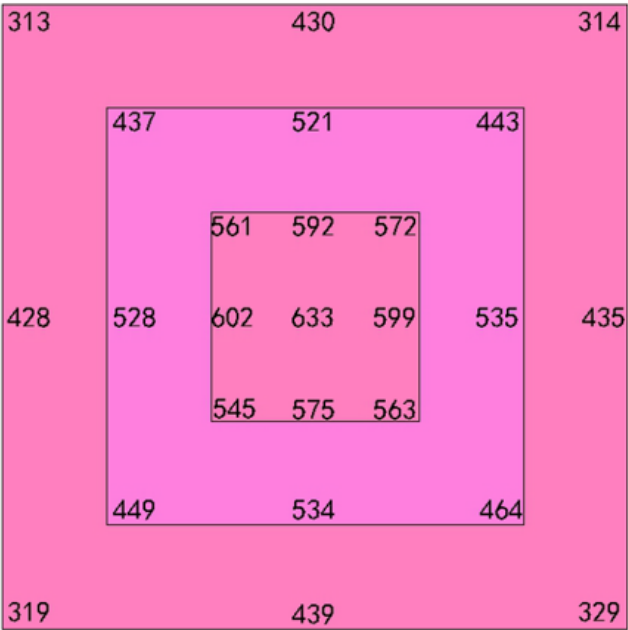
480W 6"/152mm Height



480W 12"/305mm Height



480W 18"/457mm Height

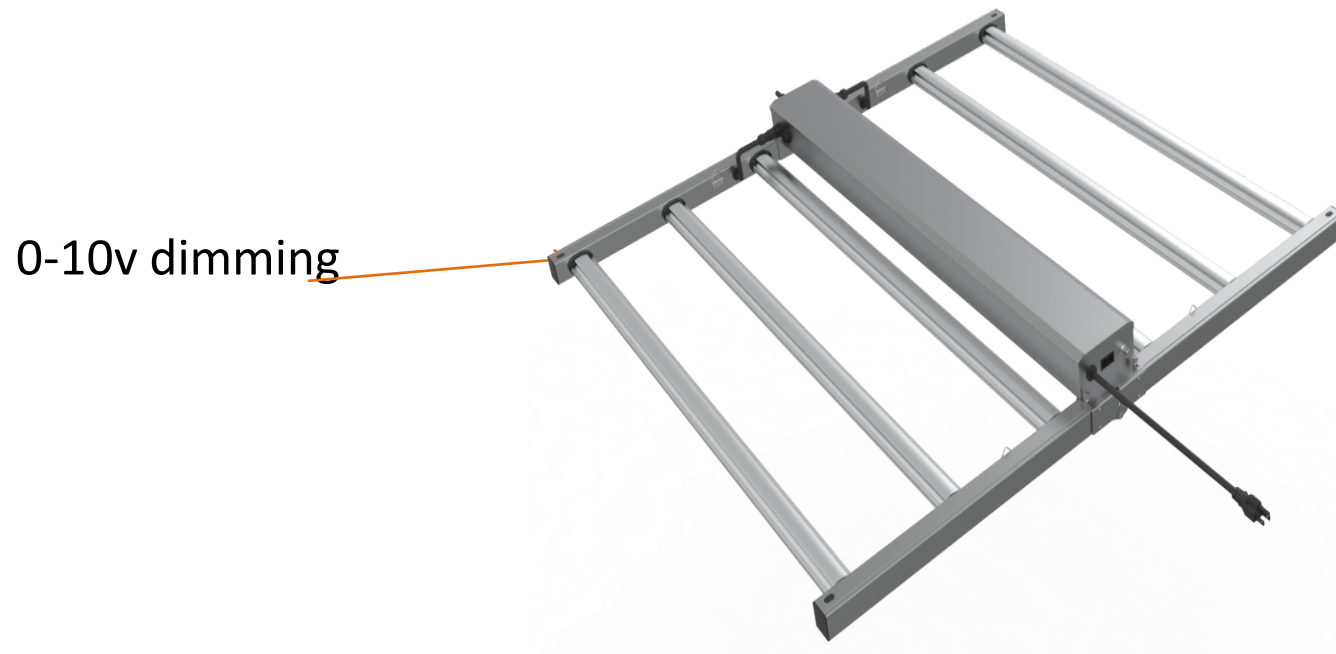


480W 24"/609mm Height



GLS2 Advantages

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

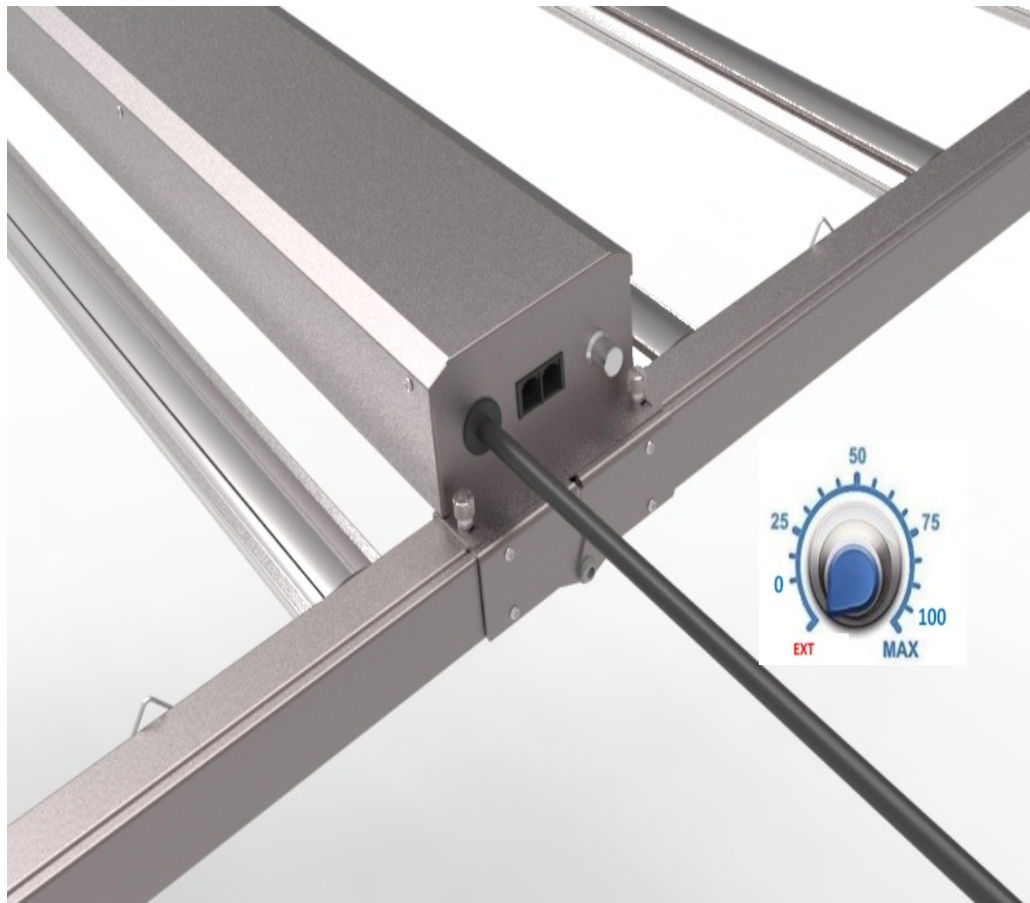


The height can be easily adjusted



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

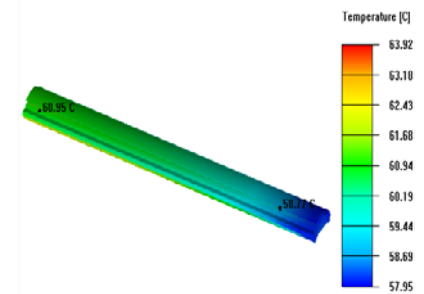
Other Advantages



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



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