



## NAME:LED GROW LIGHTS

**P/N: GT-SR-660WL1CA1-ab**

Note:

“a” = color of luminaire, BH stands for black,SH stands for silver

“b”=spectrum, which can be any two letters, FS is full spectrum, is is indoor spectrum, Di is customized indoor spectrum and GS is greenhouse spectrum;

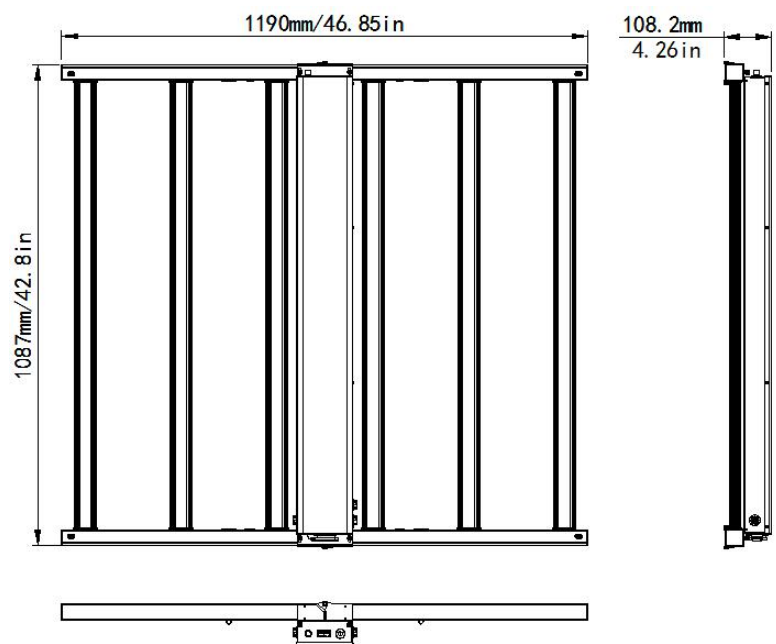
### Advantage

- 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 3 according to customer requirements
- Green and eco-friendly without mercury.

### Application

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

### DIMENSIONS

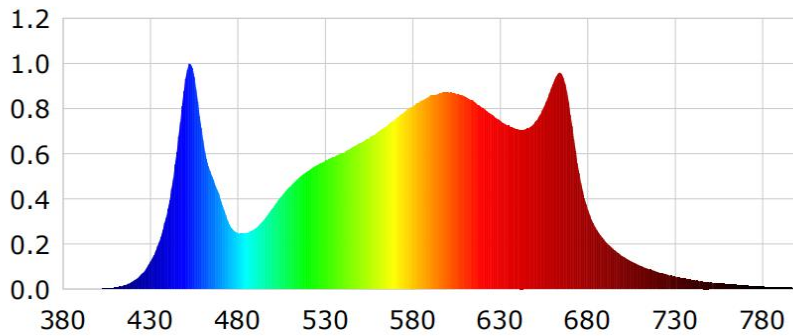


## Specifications

Optical		
Input Power (Tolerance : ±10%)	660W(100%)	700W(BOOST/EXT)
Photosynthetic photon flux (Tolerance : ±10%)	1716 μmols	1820 μmols
Luminous Efficacy(Tolerance : -5%)	2.6μmol/J	2.6μmol/J
Viewing Angle (Tolerance : ±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%)	≤20%	
Driver Brand	X6-240M062P x 3	
Driver Surge protection	L/N-PE: 10kV, L-N: 5kV	
Dimming	0-10V Dimming standard	
Materials		
LED Brand	China brand leds(white)+China brand leds(red)	
Housing	Aluminum Alloy	
Housing Color	Silver or Customized	
Waterproof Rating	DAMP	
Others		
Operating Temperature	-40°C TO 50°C	
Operating Humidity	10%-90% RH	
Storage Temperature	-40°C TO 80°C	
Storage Humidity	10%-95% RH	
Warranty Time	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.	

## Spectrum

### Full Spectrum



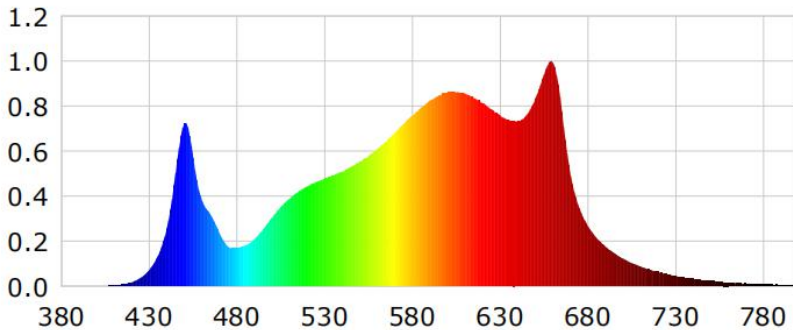
### Photometric Parameters

Luminous Flux: 111428.09 lm	Efficiency: 163.36 lm/W	Radiant Power: 381.443 W
EEI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 372.093 W	PPF: 1779.648 umol/s	R/B: 2.0
PF1:282.416 umol/s(400~500nm)	PF2:694.732 umol/s(500~600nm)	
PF3:802.492 umol/s(600~700nm)	PFfr:58.820 umol/s(700~800nm)	PPE:2.609 umol/s/w PF:1838.547 umol/s

### Electric Parameters

Voltage: 276.10V	Current: 2.6660A	Power: 682.10W
Power Factor: 0.9270	Frequency: 60.00Hz	

### Indoor Spectrum



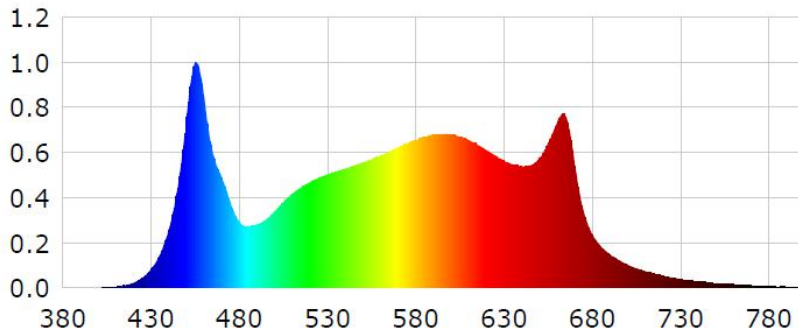
### Photometric Parameters

Luminous Flux: 108653.16 lm	Efficiency: 161.33 lm/W	Radiant Power: 360.588 W
EEI: 0.08	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 352.457 W	PPF: 1707.403 umol/s	R/B: 2.9
PF1:208.690 umol/s(400~500nm)	PF2:667.138 umol/s(500~600nm)	
PF3:831.573 umol/s(600~700nm)	PFfr:50.854 umol/s(700~800nm)	PPE:2.535 umol/s/w PF:1758.304 umol/s

### Electric Parameters

Voltage: 276.10V	Current: 2.6370A	Power: 673.50W
Power Factor: 0.9250	Frequency: 60.00Hz	

## Greenhouse Spectrum



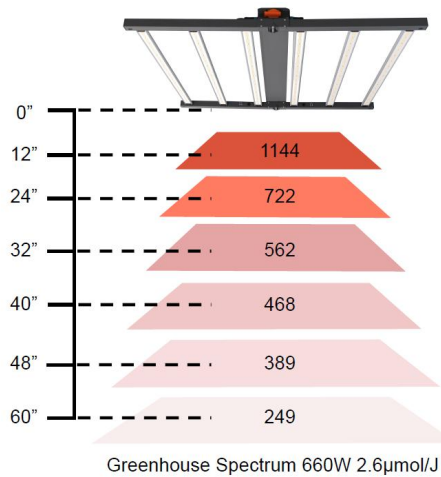
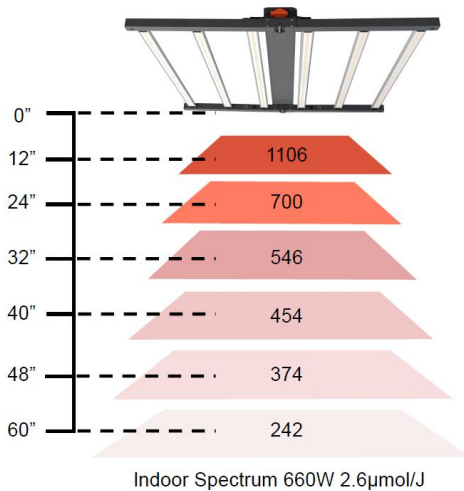
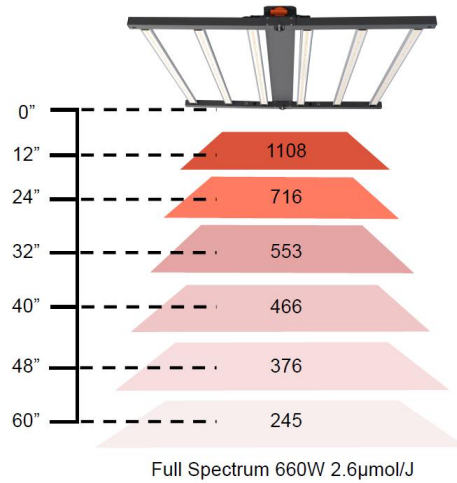
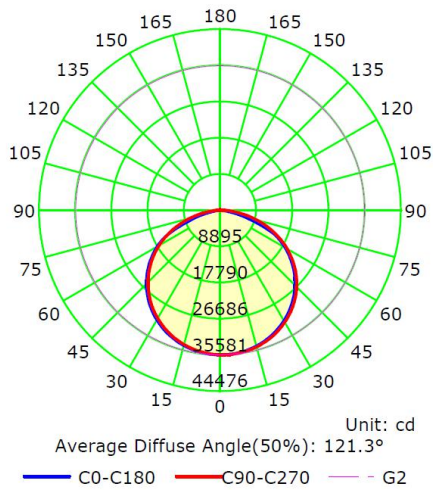
## Photometric Parameters

Luminous Flux: 108345.38 lm	Efficiency: 164.08 lm/W	Radiant Power: 371.574 W
EEL: 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

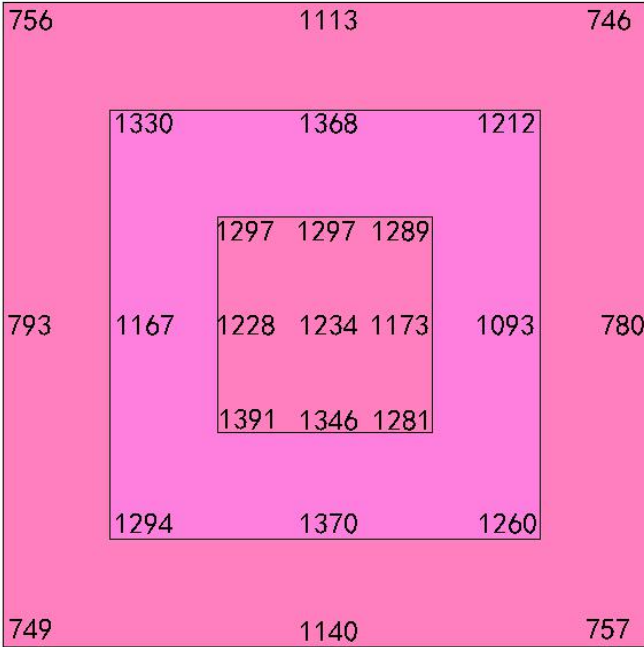
Voltage: 275.80V	Current: 2.5950A	Power: 660.30W
Power Factor: 0.9230	Frequency: 59.99Hz	

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

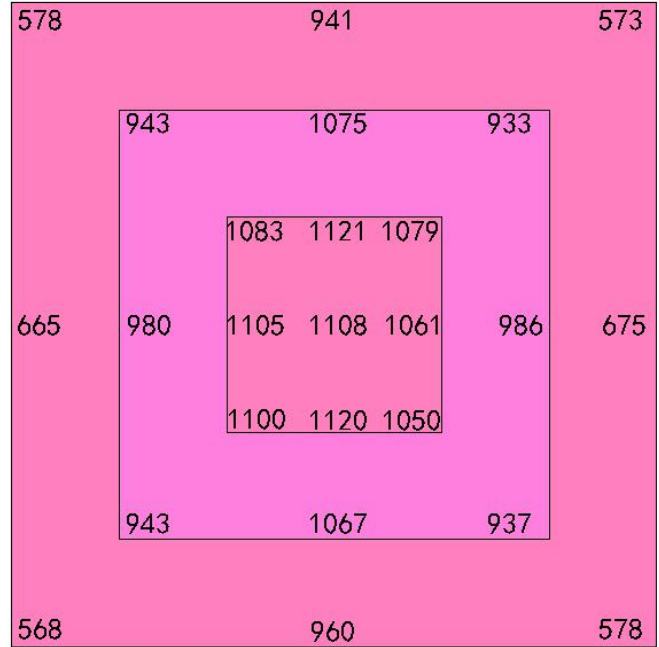


**PPFD**

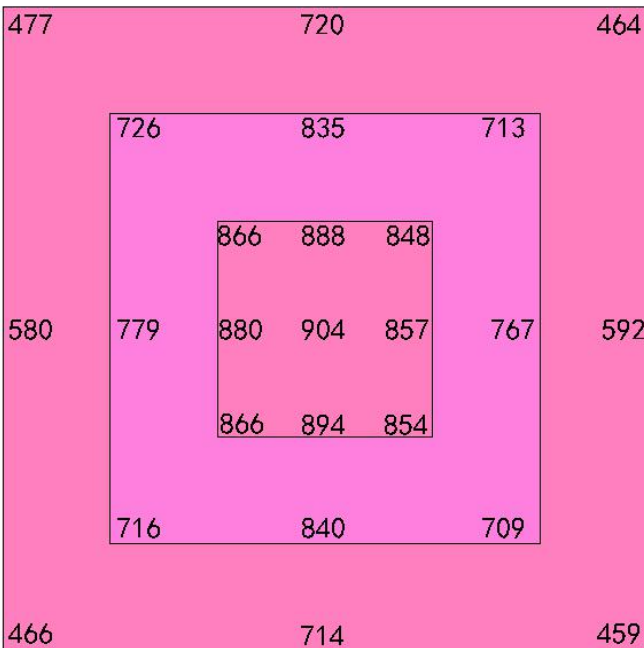
**Full Spectrum**



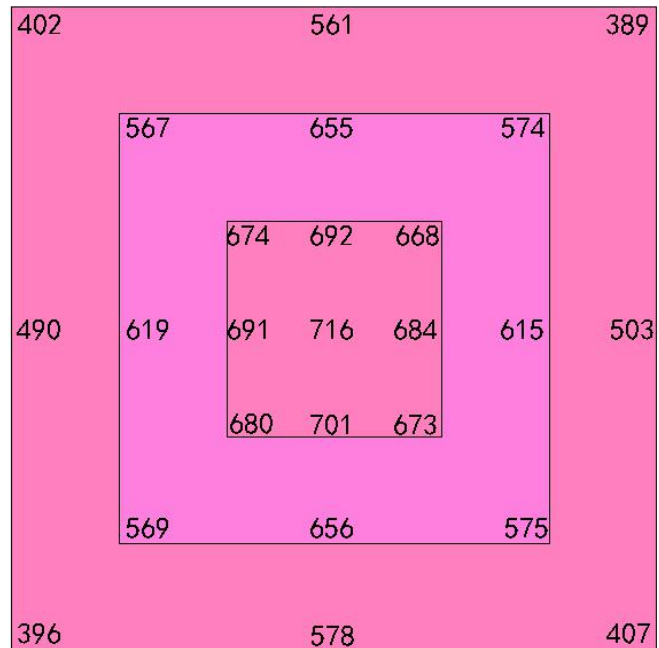
660W 6"/152mm Height



660W 12"/305mm Height

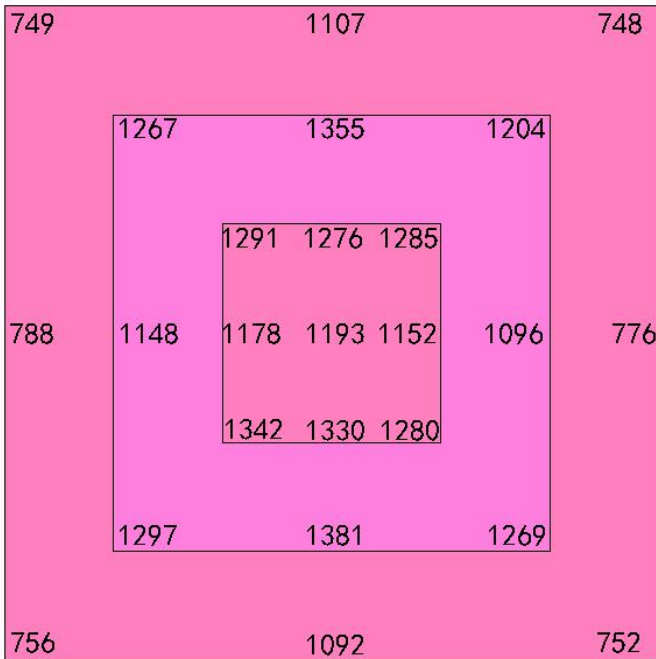


660W 18"/457mm Height

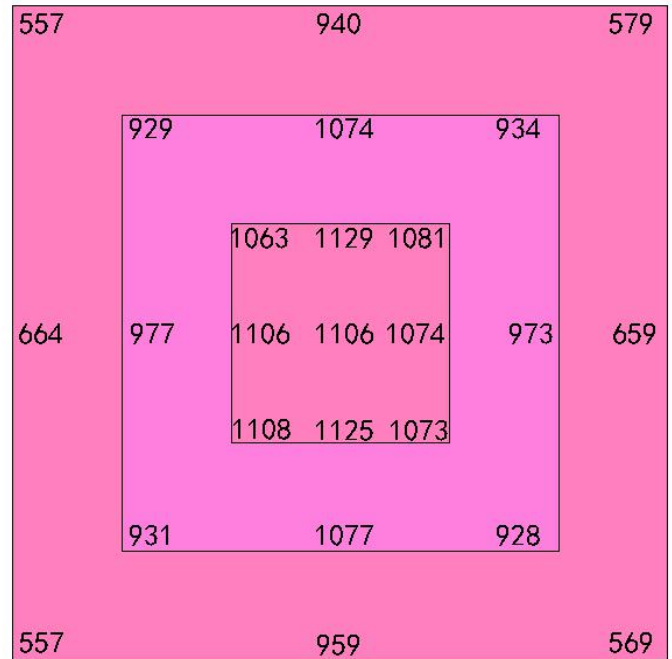


660W 24"/609mm Height

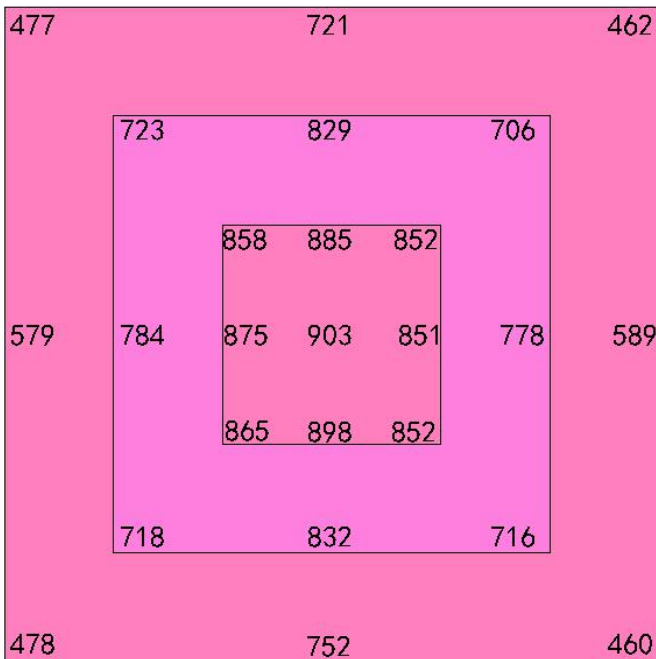
## Indoor Spectrum



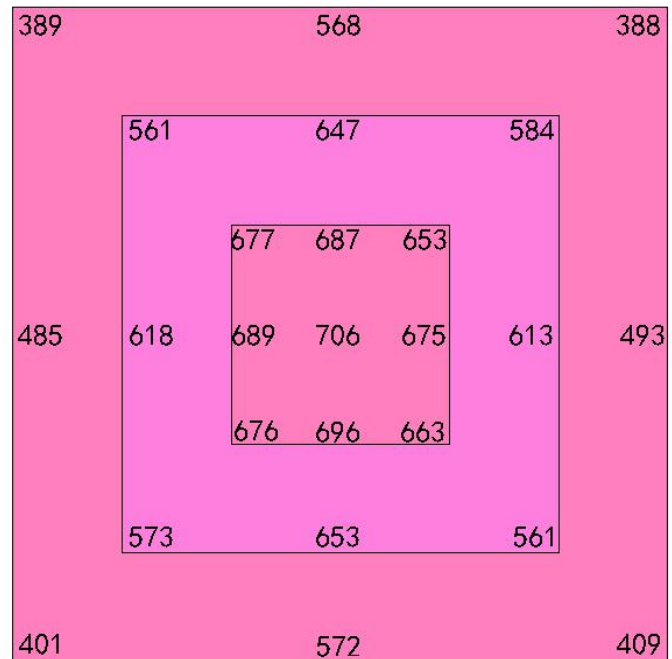
660W 6"/152mm Height



660W 12"/305mm Height

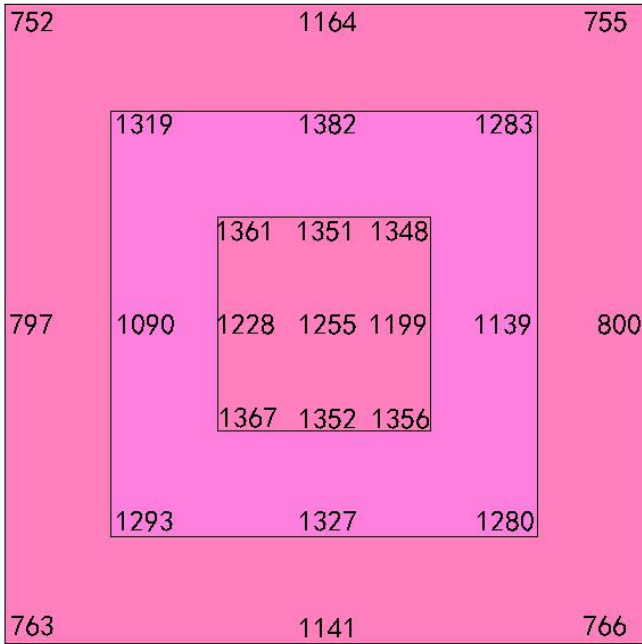


660W 18"/457mm Height

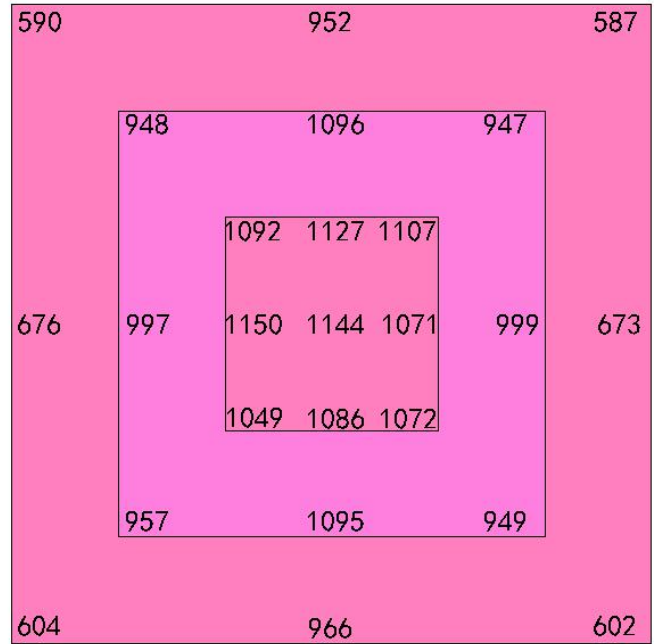


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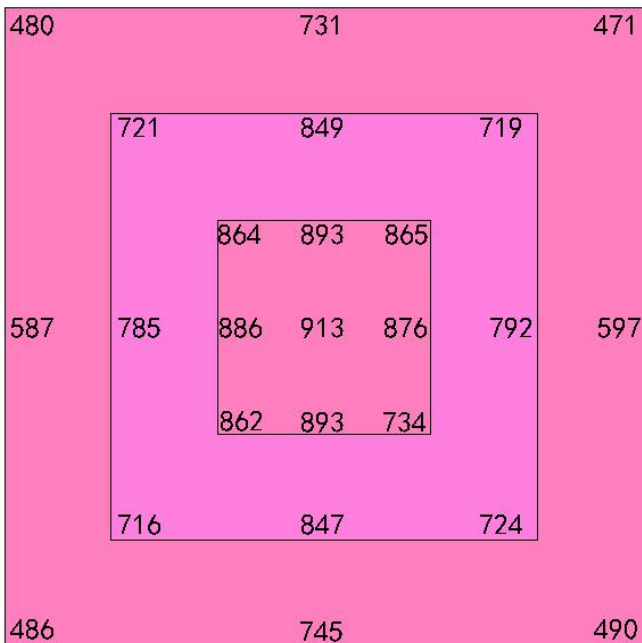
## Greenhouse Spectrum



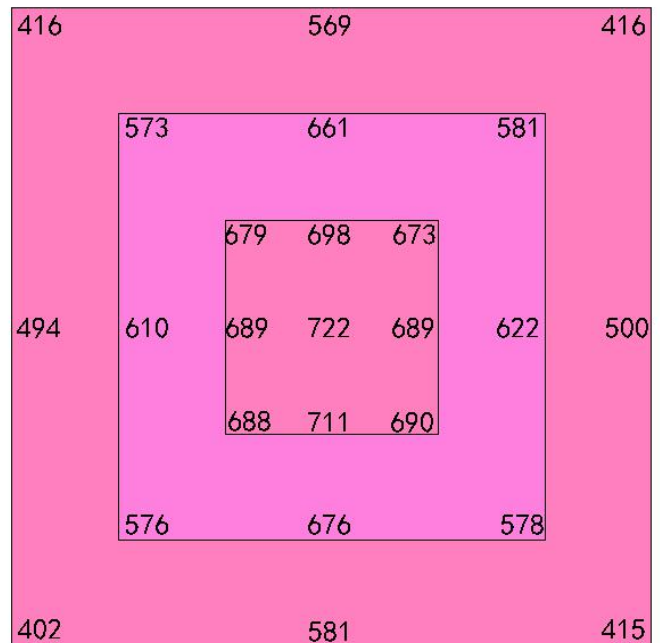
660W 6"/152mm Height



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660W 18"/457mm Height

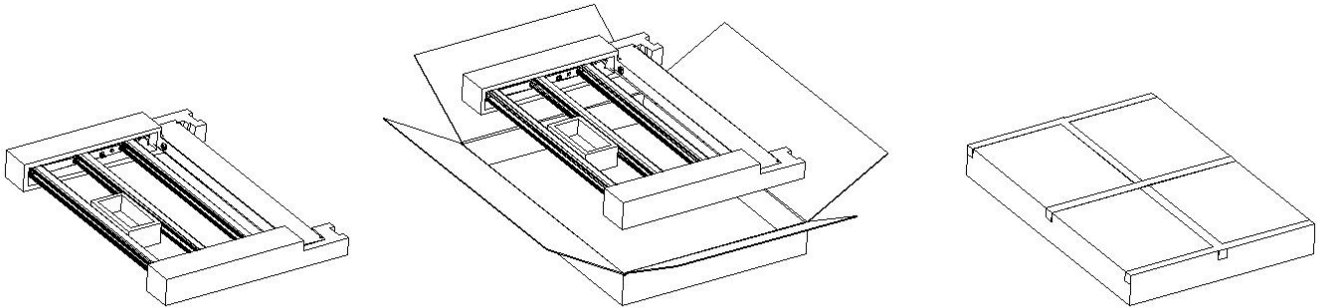


660W 24"/609mm Height

## Package

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Lamp Outer box	1200*860*140MM	1 PC	13.5KG	17.5KG

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .



## Notice For User

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.
- Lights are prohibited from illuminating people

## Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.