

## CTB6-660WR1-ab

### STANDARD



### APPLICATION

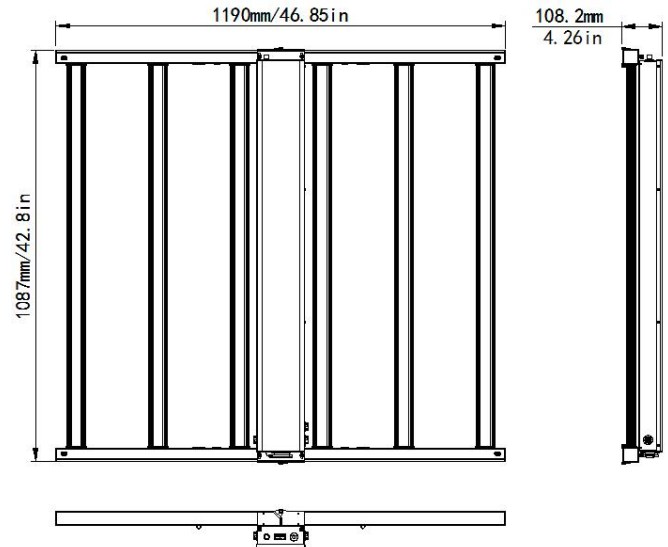
- Vertical Farming
- Cannabis Cultivation

### ADVANTAGE

- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Output constant current can be adjusted through output cable with 0-10V.
- Easy to install and operate.
- Energy saving, long lifespan 36K L90.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Custom Dimming Settings w/Boost
- Full EOL Recyclable



### DIMENSIONS



### NOTE

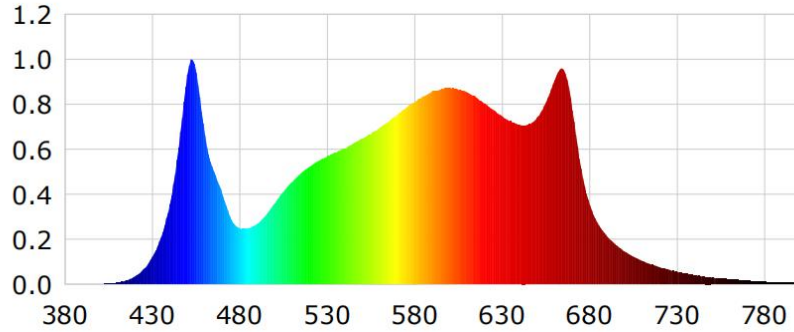
- “CT”= CABATech
- “B6”= Product series, 6 BAR LED grow light
- “660W”= Rating Power
- “R1” = Version number
- “a” = color of luminaire, BH stands for black, SH stands for silver, CC stands for custom
- “b”= spectrum FS is 30/50, BS is 27/40, VS is 40/57

## SPECIFICATIONS

<b>Optical</b>		
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/Bloom Spectrum/Veg Spectrum	
CRI	>80	
<b>Electrical</b>		
Input Voltage	120-277VAC 50/60Hz	
PF (Tolerance : -3%)	≥0.9	
THD(Tolerance : +5%)	≤20%	
Driver Brand	Sosen	
Driver Surge protection	L/N-PE: 10kV, L-N: 5kV	
Dimming	0-10V Dimming standard	
<b>Materials</b>		
LED Brand	Seoul 2835 + Osram leds (660nm)	
Housing	Aluminum Alloy	
Housing Color	Silver, Black or Customized	
Waterproof Rating	DAMP	
<b>Others</b>		
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



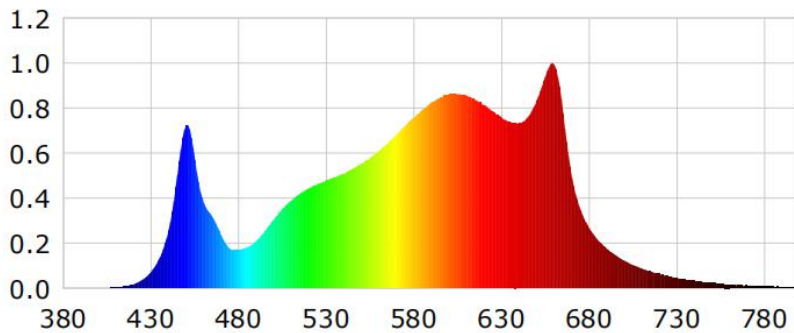
### Photometric Parameters

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	

## BLOOM SPECTRUM

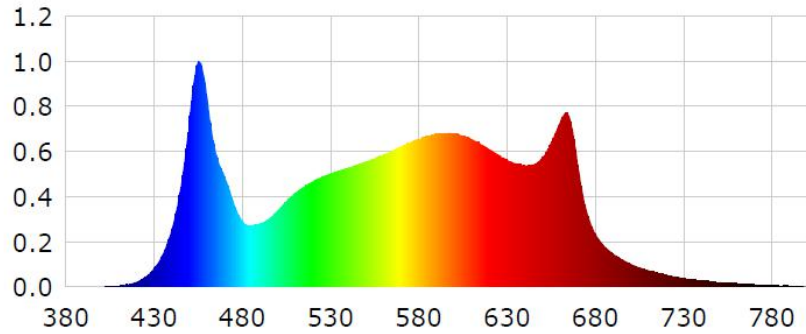


### Photometric Parameters

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	



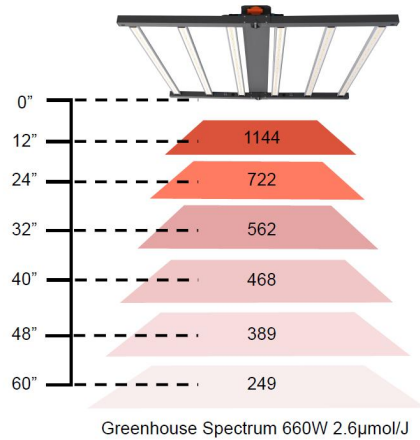
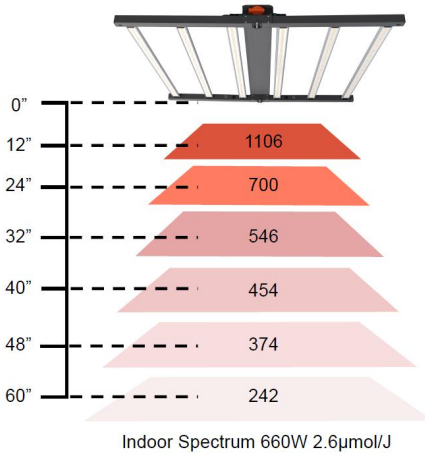
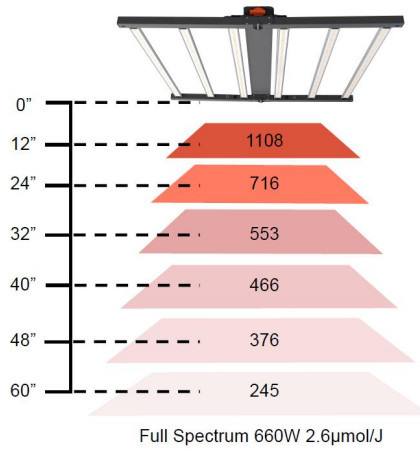
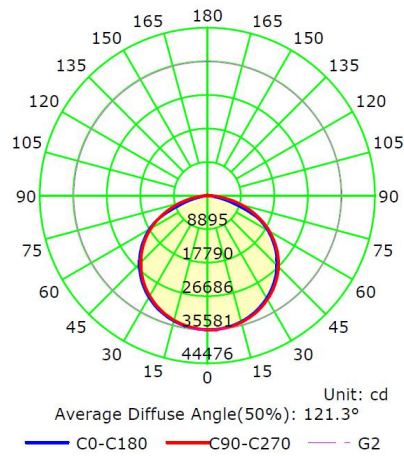
**Photometric Parameters**

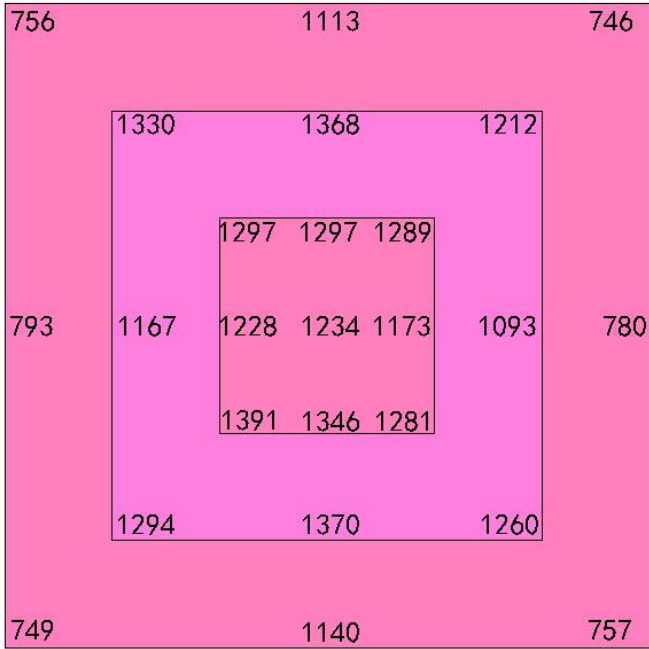
Luminous Flux: 108345.38 lm	Efficiency: 164.08 lm/W	Radiant Power: 371.574 W
EEI: 0.09	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 363.840 W	PPF: 1718.348 umol/s	R/B: 1.5
PF1:329.617 umol/s(400~500nm)	PF2:681.554 umol/s(500~600nm)	
PF3:707.176 umol/s(600~700nm)	PFfr:48.496 umol/s(700~800nm)	PPE:2.602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

**Electric Parameters**

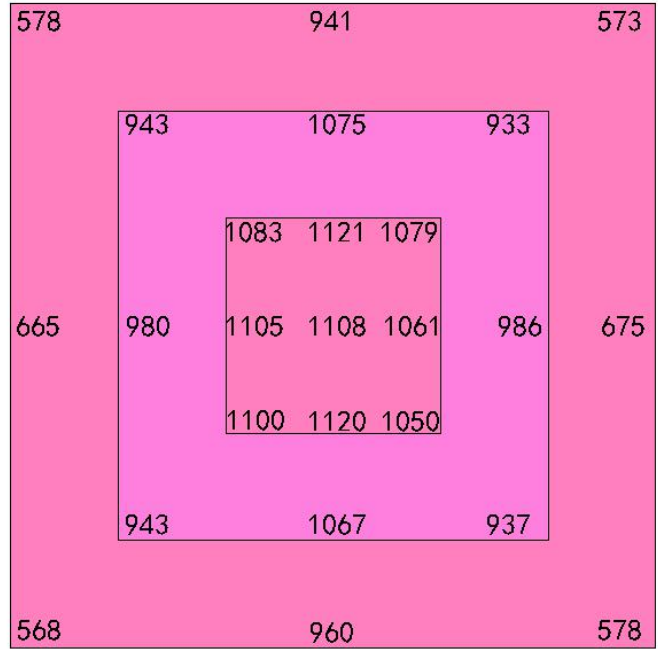
Voltage: 275.80V	Current: 2.5950A	Power: 660.30W
Power Factor: 0.9230	Frequency: 59.99Hz	

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

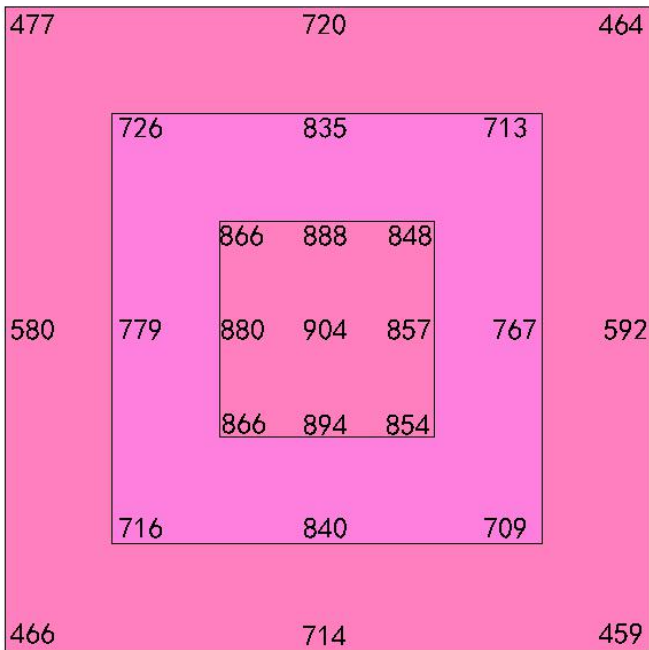




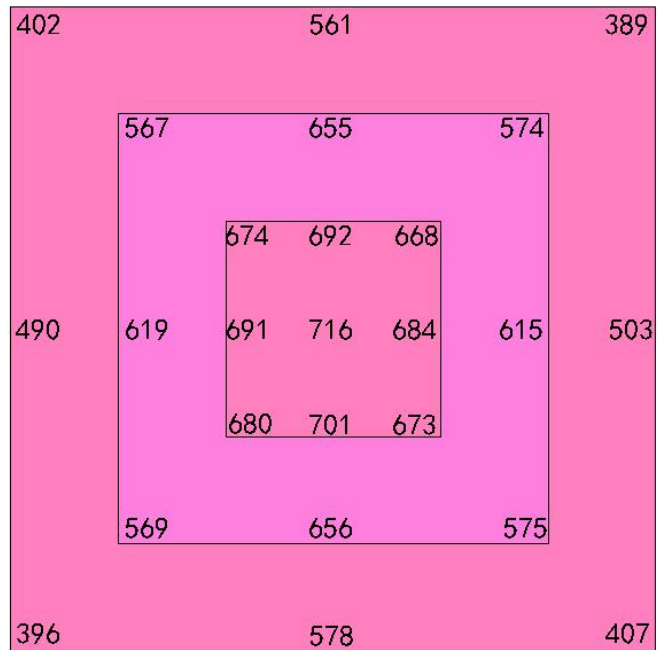
660W 6"/152mm Height



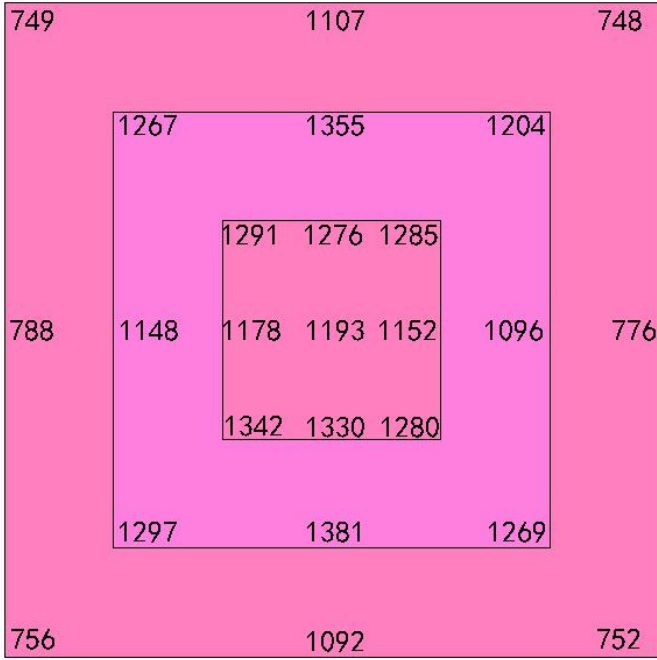
660W 12"/305mm Height



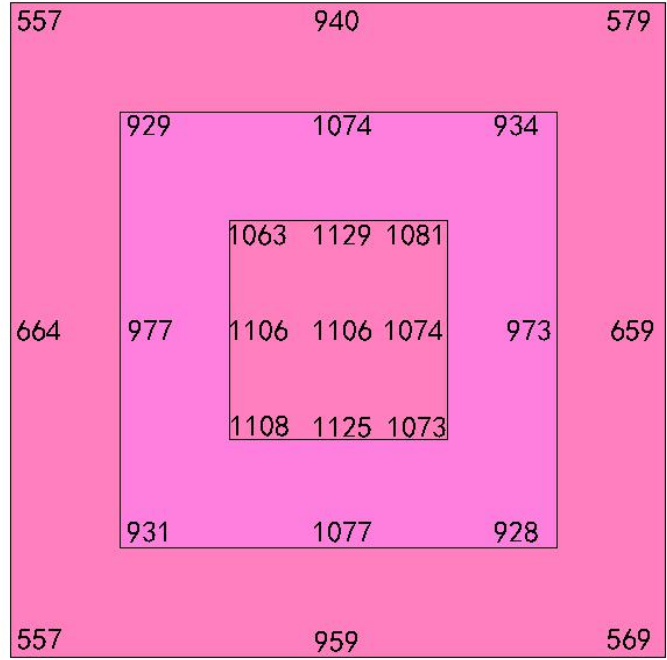
660W 18"/457mm Height



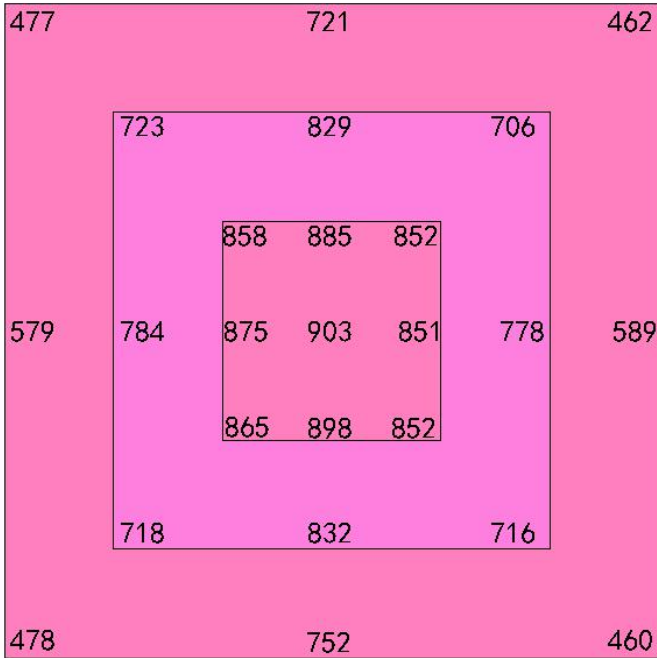
660W 24"/609mm Height



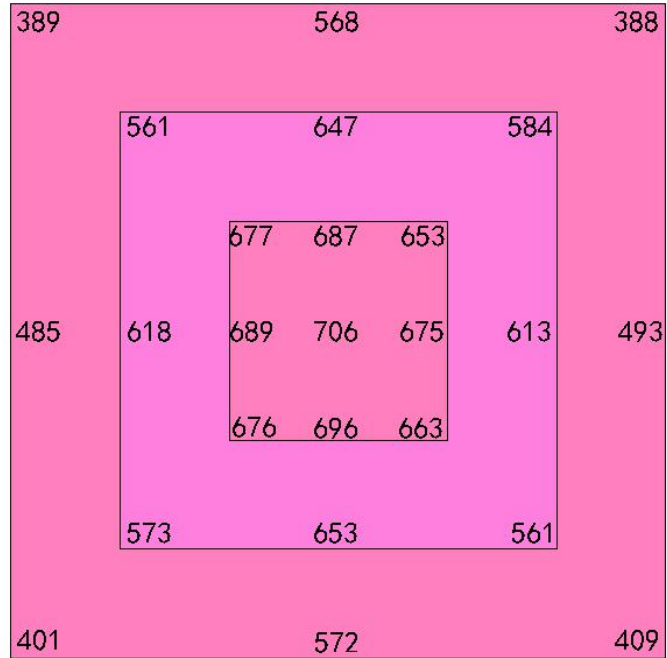
660W 6"/152mm Height



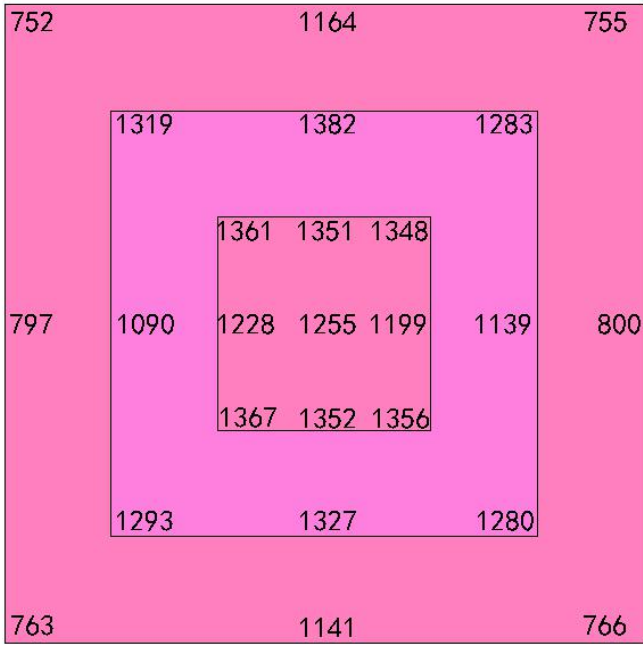
660W 12"/305mm Height



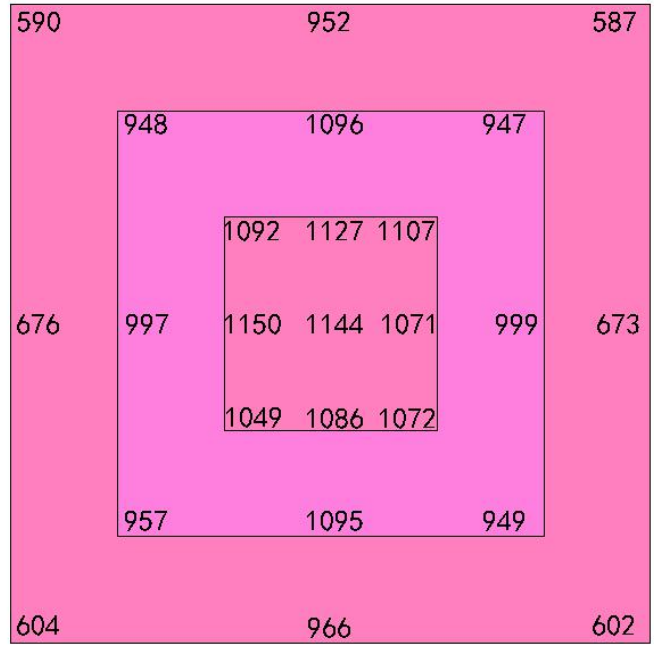
660W 18"/457mm Height



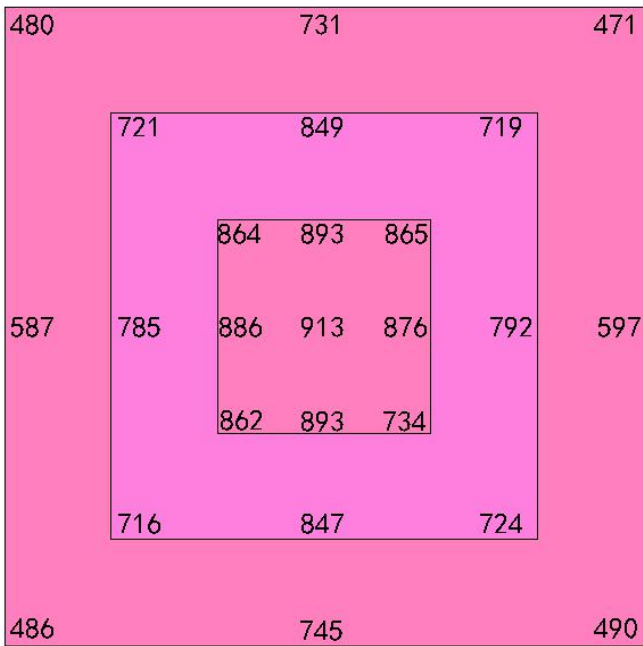
660W 24"/609mm Height



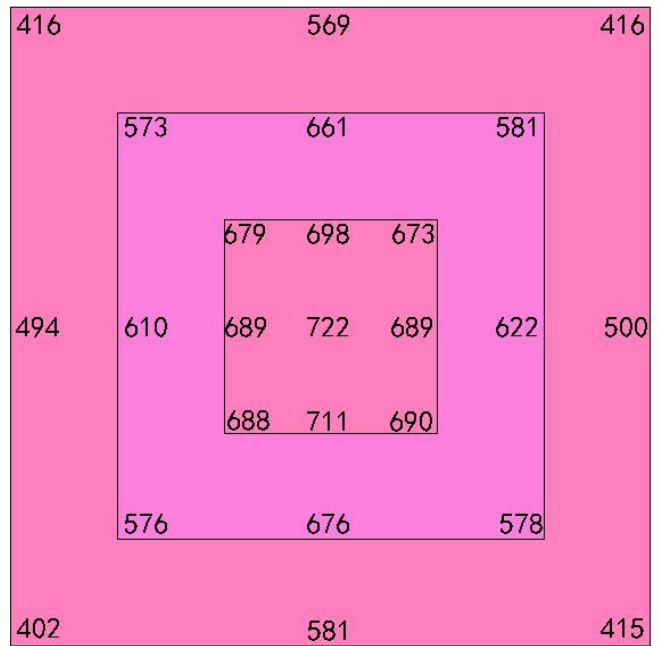
660W 6"/152mm Height



660W 12"/305mm Height



660W 18"/457mm Height

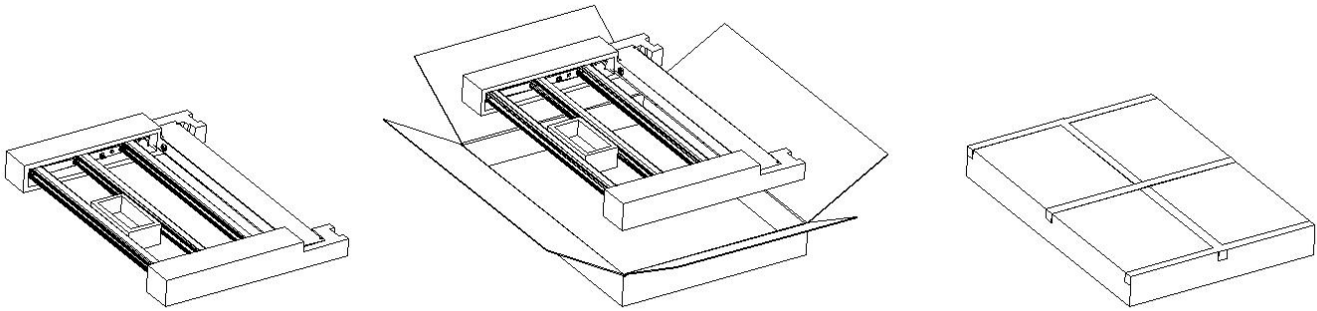


660W 24"/609mm Height

## PACKAGING

	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 installation.
- The input voltage max 277VAC
- Please make sure the wiring section is insulated per local building code.
- Non-professionals, must not install and disassemble the lamps.
- Lights are not intended for general illumination

## TROUBLE SHOOTING

Error	Check points
Flickering / Strobbling	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call factory.
No Output	Please check the connection.