

CTB6-660WR1

LED Grow Lights



APPLICATION

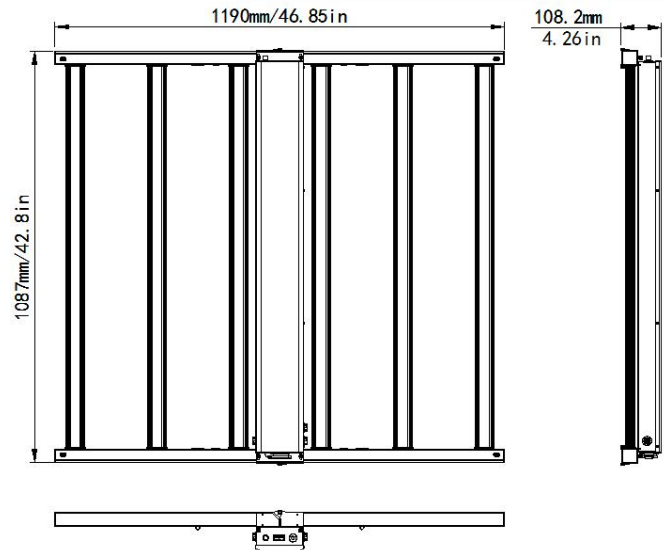
- Vertical Farming
- Cannabis Cultivation

ADVANTAGE

- 660 Watts
- 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



ORDERING INFORMATION

Model Number	Color	Spectrum
CTB6-660WR1	BH	Black
	SH	Silver
	CC	Custom
		FS 30/50
		BS 27/40
		VS 40/57

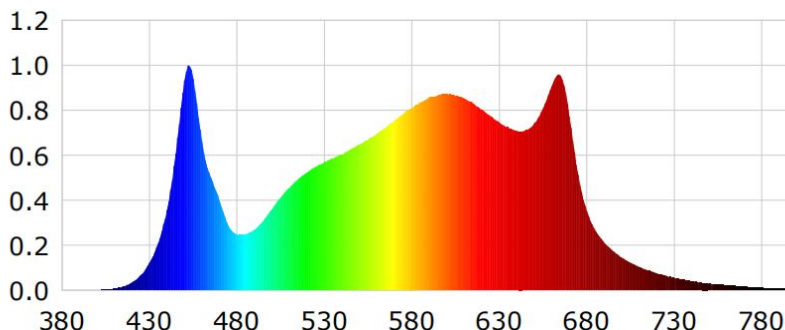
“B6”= Product series, 6 BAR LED grow light
 “660W” = Rating Power
 “R1” = Version number

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/Bloom Spectrum/Veg Spectrum	
CRI	>80	
Electrical		
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	
Materials		
LED Brand	Seoul 2835 + Osram leds (660nm)	
Housing	Aluminum Alloy	
Housing Color	Silver, Black 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



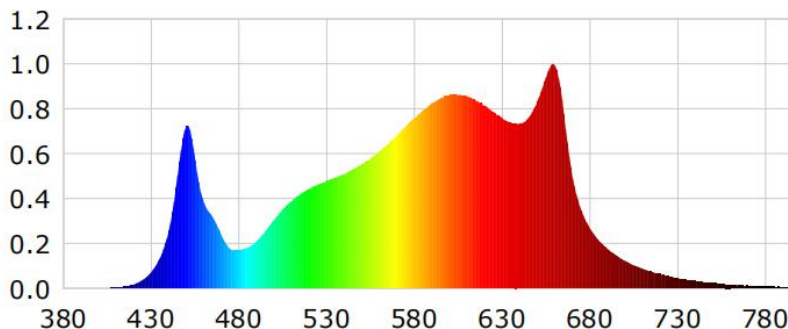
Photometric Parameters

Luminous Flux: 111428.09 lm	Efficiency: 163.36 lm/W	Radiant Power: 381.443 W
EI: 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



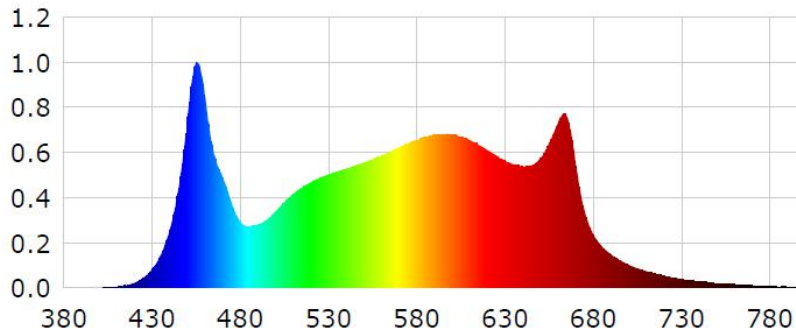
Photometric Parameters

Luminous Flux: 108653.16 lm	Efficiency: 161.33 lm/W	Radiant Power: 360.588 W
EI: 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	

VEG SPECTRUM



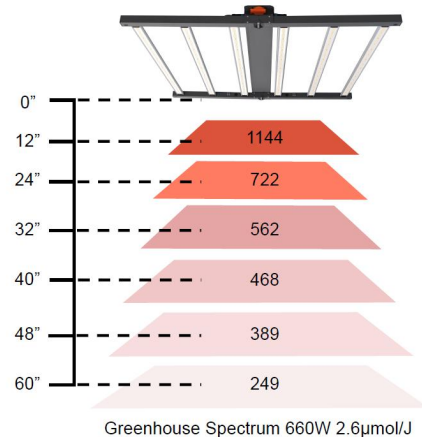
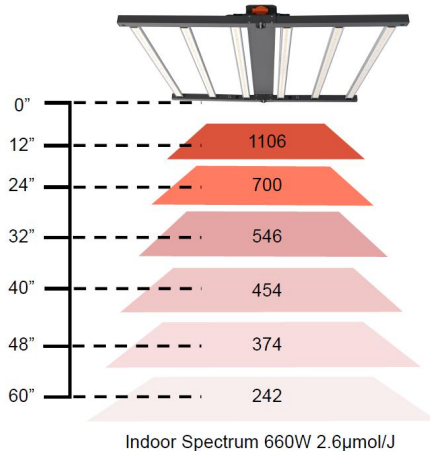
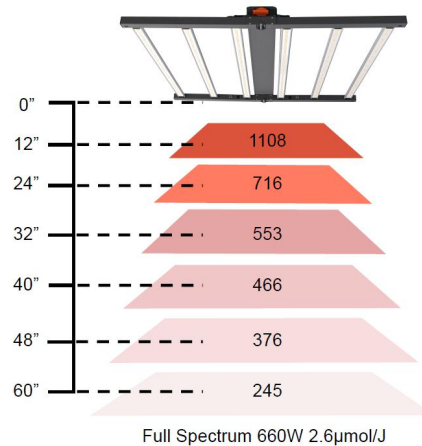
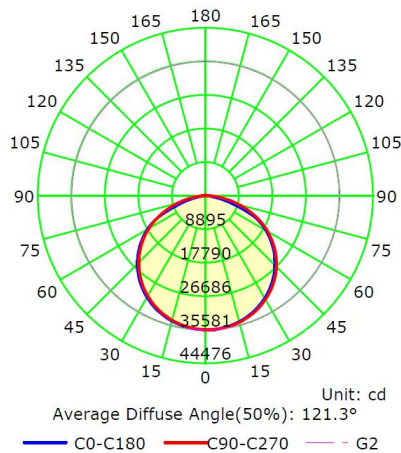
Photometric Parameters

Luminous Flux: 108345.38 lm	Efficiency: 164.08 lm/W	Radiant Power: 371.574 W
EI: 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)	PFr:48.496 umol/s(700~800nm)	PPE:2.602 umol/s/w PF:1766.946 umol/s

Electric Parameters

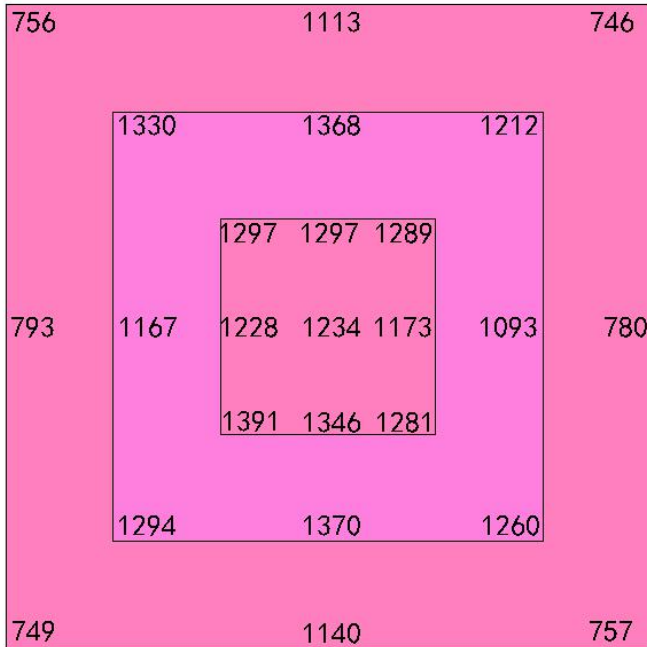
Voltage: 275.80V	Current: 2.5950A	Power: 660.30W
Power Factor: 0.9230	Frequency: 59.99Hz	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

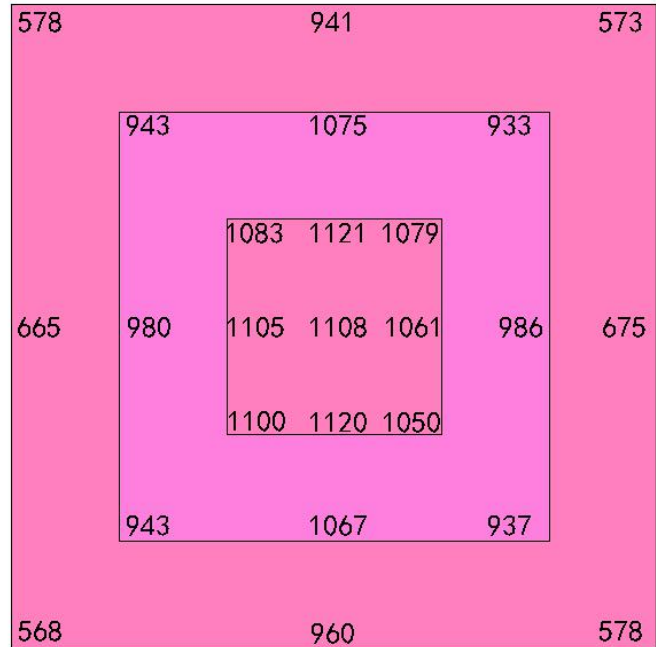


PPFD

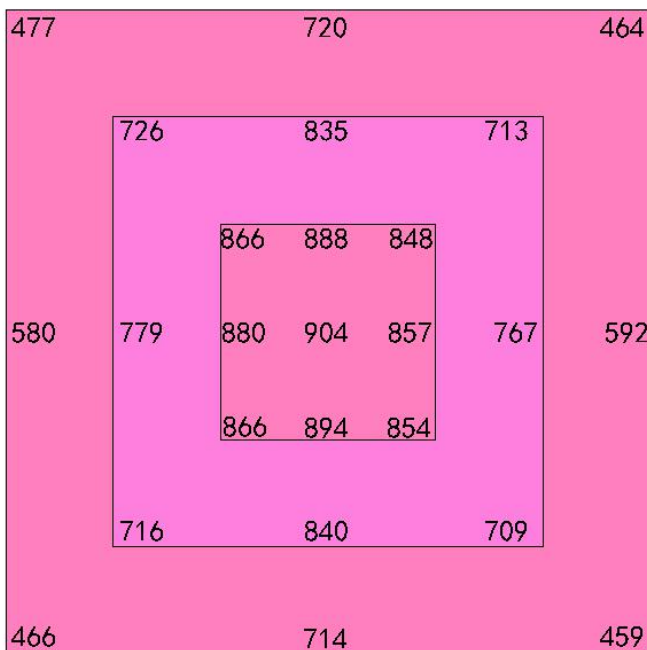
FULL SPECTRUM



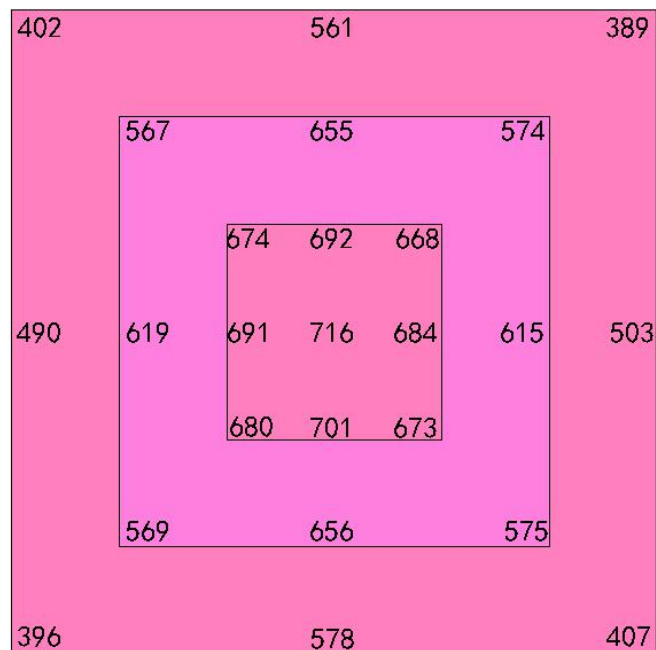
660W 6"/152mm Height



660W 12"/305mm Height

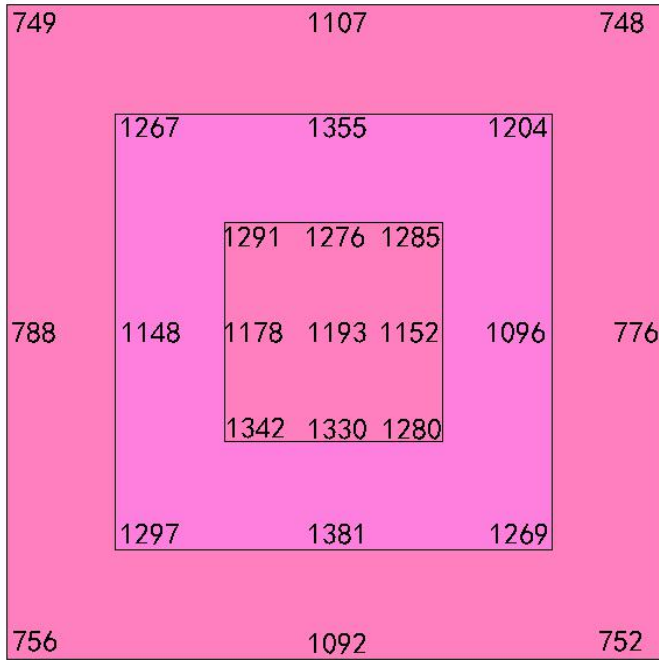


660W 18"/457mm Height

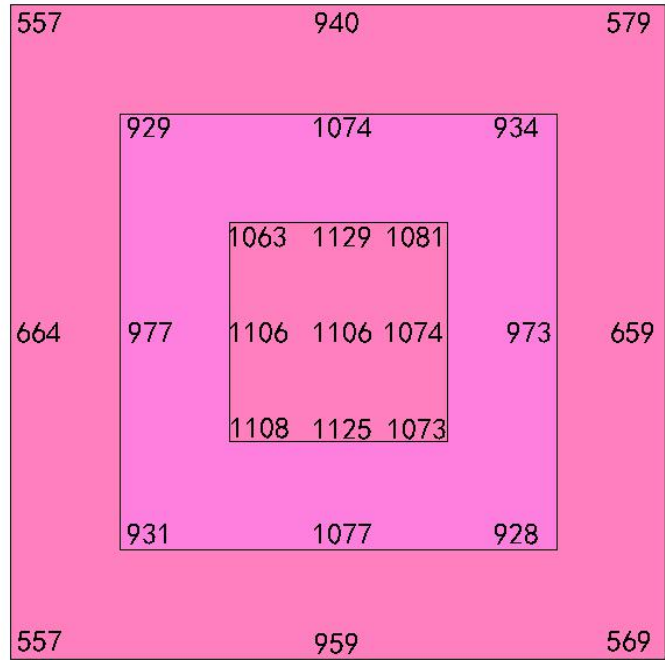


660W 24"/609mm Height

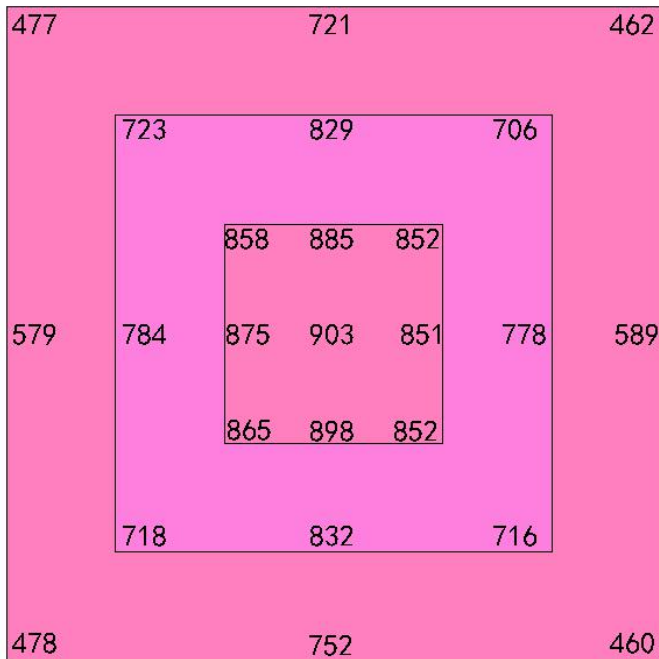
BLOOM SPECTRUM



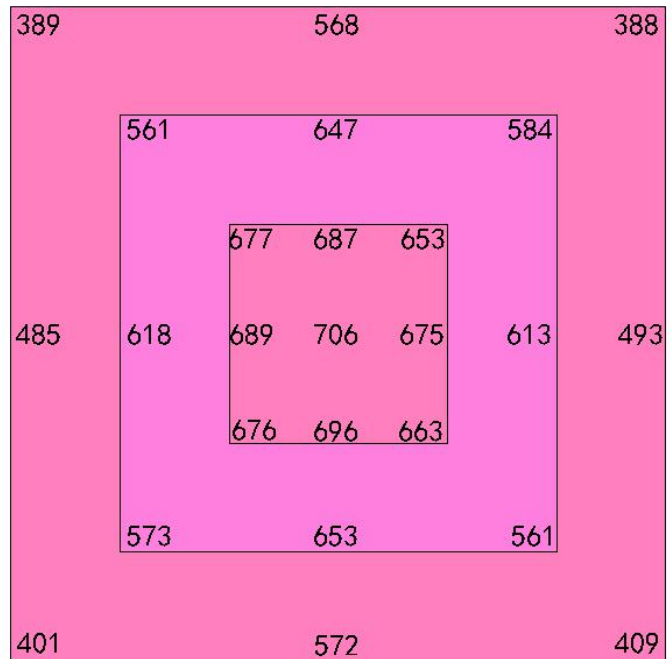
660W 6"/152mm Height



660W 12"/305mm Height

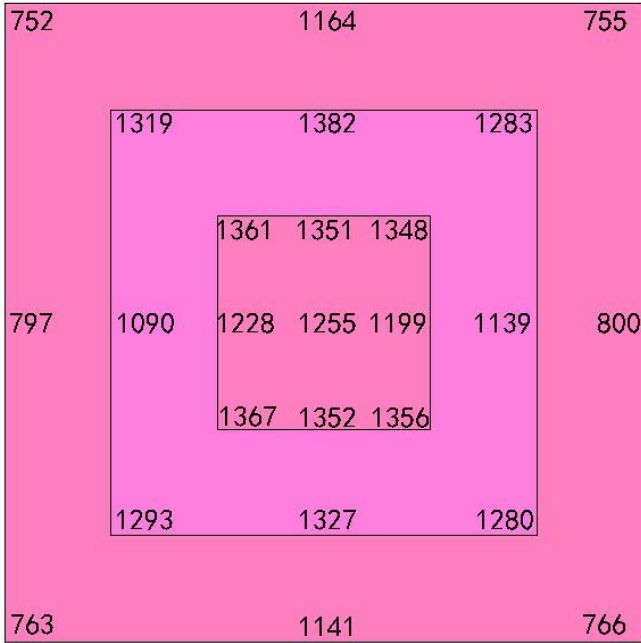


660W 18"/457mm Height

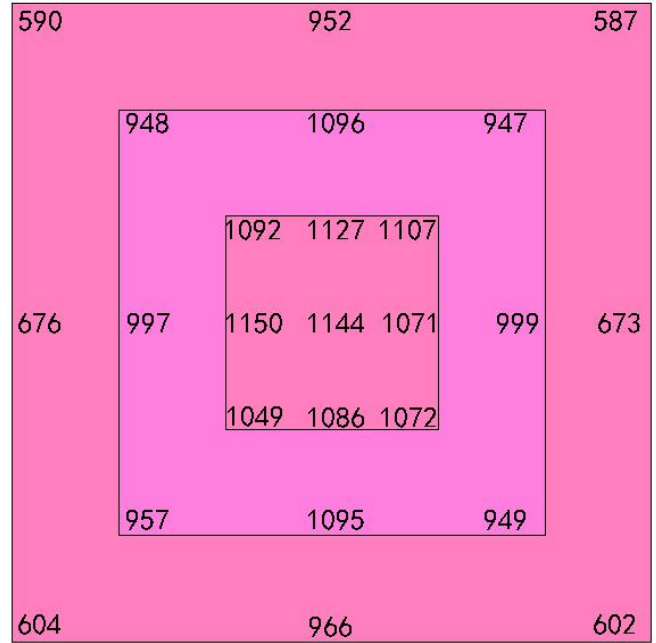


660W 24"/609mm Height

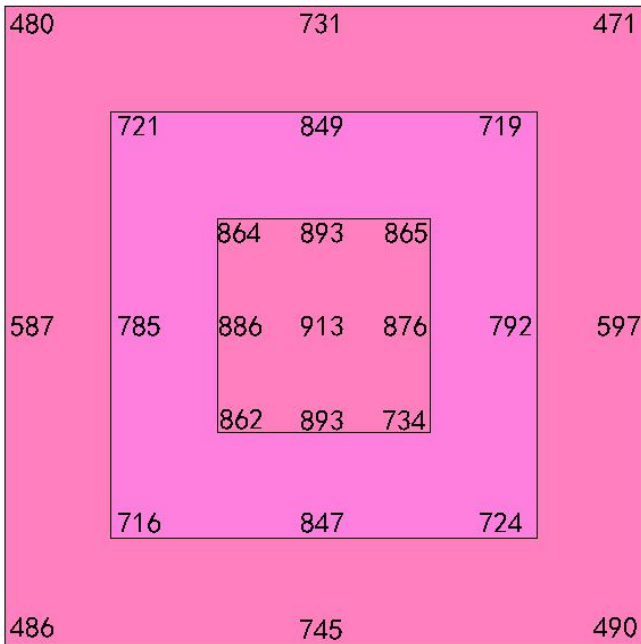
VEG SPECTRUM



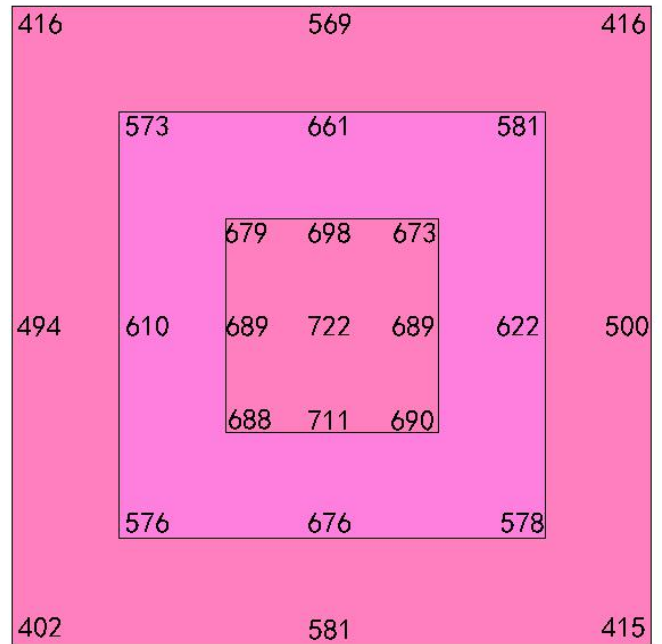
660W 6"/152mm Height



660W 12"/305mm Height



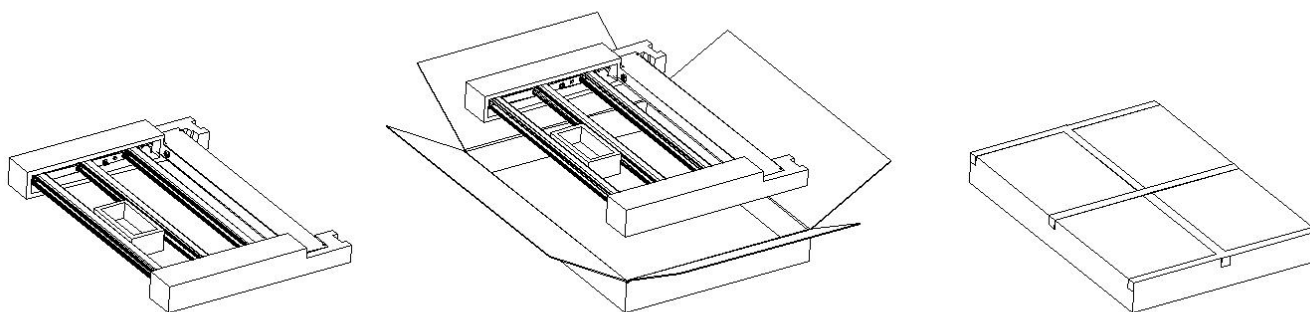
660W 18"/457mm Height



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



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.