

DESCRIPTION

Accelerate the growth of your plants through their entire life cycle with this LED grow light fixture. This fixture is designed to deliver full spectrum light that targets specific spectrum ranges that promote optimal growth, peaking in colors that plants absorb the most of while reducing others.

FEATURES

- Blue spectrum light peaks at 450nm to promote healthy root development and strong plant growth during the vegetative stage
- 660 nm of red spectrum light promotes higher yield during flowering stages; 30% stronger than natural sunlight
- Boost feature increases the wattage to 700W
- LEDs generate less heat than other types of grow lights, reducing the amount of heat in indoor grow rooms and allowing the lights to be closer to the plants
- Light intensity can be manipulated by adjusting the fixture height; see Mounting Heights section for recommended mounting heights with light intensity breakdown
- 0-10V dimming is controlled via a knob on the fixture; the fixture wattage varies depending on the level, see Dimming Levels section for more information
- Connect up to 3 fixtures in parallel; see installation instructions for more information
- Includes 120V plug adapter
- 1320W MH or HPS Equivalent Photosynthetically Active Radiation (PAR)

LISTINGS

- ETL rated for damp locations
- IP42
- RoHS

PERFORMANCE

- CRI: >80
- PAR (μmol/s): 1716, 1820 (Boost)
- Luminous Efficacy (μmol/J): 2.6 (μmol/J)
- Rated lifetime L70: 50,000 hours

THERMAL

- -40°F to 122°F (-40°C to 50°C) operating temperature

PERFORMANCE SUMMARY

PERFORMANCE	Watts	660
	Life Hours	50000
	PAR (μmol/s)	1716, 1820
	Luminous Efficacy (μmol/J)	2.6
ELECTRICAL	THD	≤20%
	Power Factor	≥0.9
	Input Voltage	120-277V
CONSTRUCTION	Material	Aluminum Alloy
	Finish	Silver
LISTINGS	Certifications	ETL Listed
	Material Usage	RoHS - No mercury or lead
	Environment	Damp Location Rated

project name	type
catalog number	
comments	voltage
approved by	date



RoHS
Compliant



ELECTRICAL

- THD: ≤20%
- Power Factor: ≥0.9
- Input Voltage: 120-277V
- Surge Protection: L/N-PE:10kV, L-N:5kV
- Dimmable power supply (0-10V)

INSTALLATION

- Designed for suspension mounting with included wire slings and rope hooks; see installation instructions for more information

CONSTRUCTION

- Aluminum alloy housing with silver finish

WARRANTY

- 5 year limited warranty; see pltsolutions.com for warranty details

APPLICATIONS

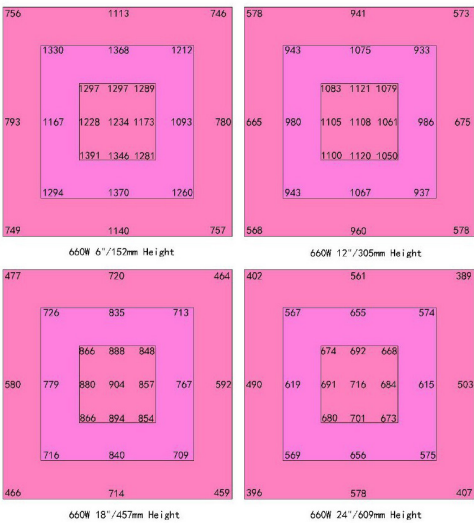
- Greenhouses
- Vertical Farming

DIMMING LEVELS

Level	25%	50%	75%	100%	Boost
Wattage	165W	330W	495W	660W	700W

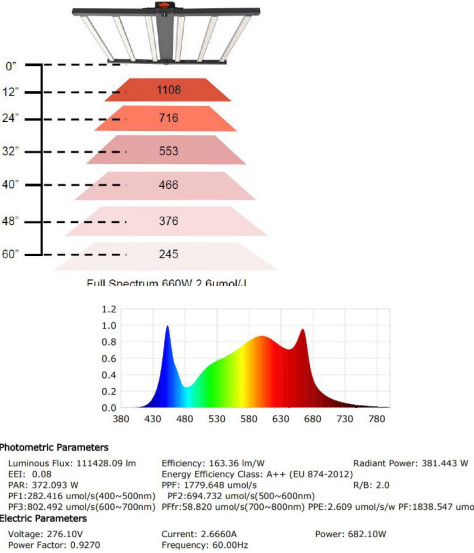
MOUNTING HEIGHTS

FULL SPECTRUM

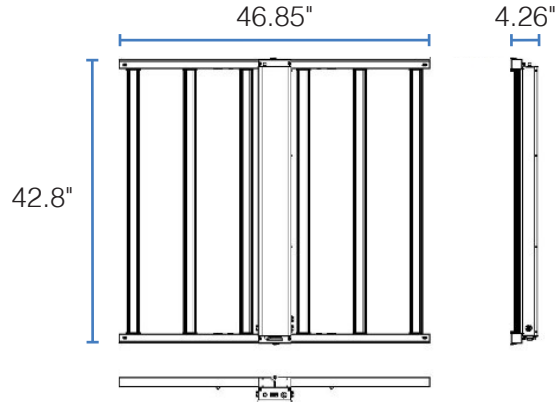


SPECTRUM

FULL SPECTRUM



DIMENSIONS



DIMENSIONS

Length: 42.8"
Height: 4.26"
Width: 46.85"
Weight: 29.8 lbs

PHOTOMETRICS

