

DESCRIPTION

Accelerate the growth of your plants through their entire life cycle with this LED strip 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 promotes healthy root development and strong plant growth during the vegetative stage; red spectrum light promotes higher yield during flowering stages
- 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 heights based on growth stage
- Water-resistant push button switch
- Connect up to 10 fixtures end-to-end using included 5' SJTW power cord

LISTINGS

- ETL rated for wet locations
- RoHS
- FCC

PERFORMANCE

- PAR ($\mu\text{mol/s}$): 24.3
- Rated lifetime L70: 50,000

THERMAL

- 32°F to 104°F (0°C to 40°C) operating temperature

ELECTRICAL

- Input Voltage: 120V

INSTALLATION

- Designed for suspension mounting with included hooks, 14" chains, and mounting accessories; see installation instructions for more information

CONSTRUCTION

- Polycarbonate housing with white finish

WARRANTY

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

project name	type
catalog number	
comments	voltage
approved by	date



APPLICATIONS

- Greenhouses
- Grow Tents

PERFORMANCE SUMMARY

PERFORMANCE	Watts	14
	Life Hours	25000
	PAR (μmol/s)	24.3
ELECTRICAL	Input Voltage	120V
CONSTRUCTION	Material	Polycarbonate
	Finish	White
LISTINGS	Certifications	ETL Listed; FCC
	Material Usage	RoHS – No mercury or lead
	Environment	Wet Location Rated

Lighting Summary, Horticultural Application

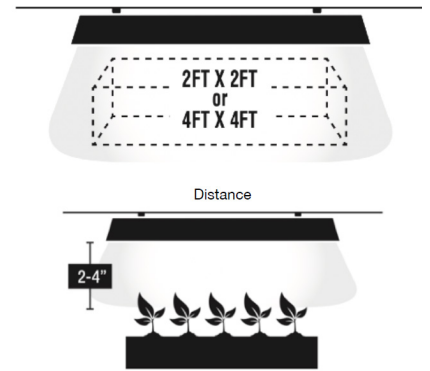
Brand	Archipelago Lighting	PAR (μmol/s)	24.3
Model	GL-3-2-14-FS	PAR efficacy (μmol/J)	1.8
Lamp Type	LED	PAR efficacy (mol/KWh)	6.5
Voltage(VAC)	120	Luminous Flux (lm)	1412
Current(A)	0.116	CCT (K)	3022
Power(W)	14	CRI (Ra)	None
Photon Flux (μmol/s)		Normalized Photon Flux	
mm range (μmol/s)			
400-499	3.471		
500-599	7.844		
600-699	13.000		
Total	24.315		

MOUNTING HEIGHTS

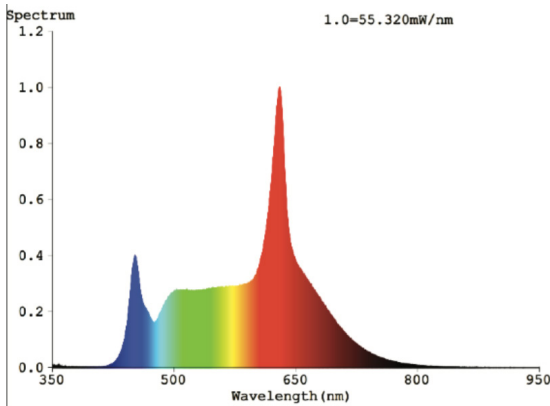
Plant Type	Distant (in)*	Growth Stage
High Intensity	2-4	Mature plants, vegetative, flowering
Low Intensity	12-24	Seeding (>2 leaves), pre-vegetative

*between light and top of plant

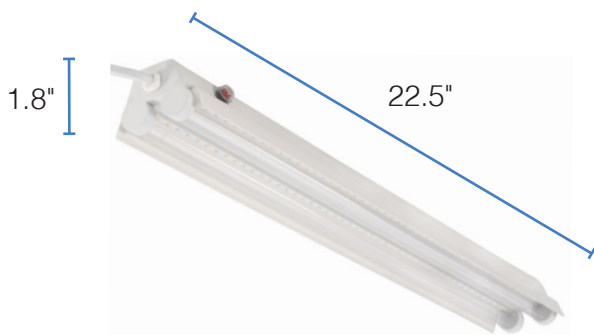
Only two 2ft fixtures are required for coverage of an area of 2ft x 2ft



SPECTRUM



DIMENSIONS



DIMENSIONS

Length: 22.5"
 Height: 1.8"
 Width: 3"
 Weight: 1.1 lbs.