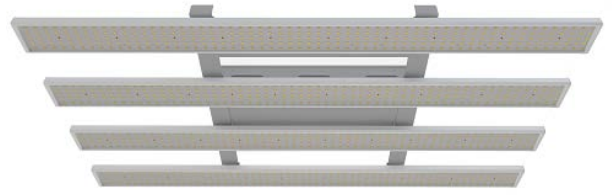


VERTA-4

Description:

SpecGrade's powerful yet versatile Verta-4 is perfect for both vegging applications in racking. Its modular design allows the grower to change out the circuit boards should he/she choose to switch the spectrum or increase the efficacy as technology evolves. The proprietary thermal management system radiates less heat onto the plants while at the same time delivering unprecedented light levels and uniformity. The finely-tuned A-1 'Entire Life Cycle Spectrum' has proven itself at universities and various grow environments to improve the trichomes and taste while cutting operational costs as well as shorten grow cycles. The standard 10-year warranty on the LED boards and 7-year warranty on the drivers coupled with the new UL8800 certification says volumes about how its robust engineering will stand up to the harsh grow environment which results in an opportunity to increase current ROIs & yields.



SPECIFICATIONS

Performance

PPF: 833 $\mu\text{mol/s}$
 PPFD: Peak 1201, 818 avg. $\mu\text{mol/sec/m}^2$
 System Power: 359 W
 Efficacy: 2.32 $\mu\text{mol/J}$
 Mounting Height: 6" Above Canopy
 Optic: 120°
 *Performance specifications obtained from independent lab testing by Underwriters Laboratory. ULReport #12395283.01

Spectrum: A1
 Thermal: 100% Passive
 Rating: IP 65
 Available Optics: 120° x 120°
 Electrical:

Voltage: Auto-Sensing 120-277VAC (V01),
 347-480V (V04)
 Surge Protection: 6kV
 Dimming: 0-10V
 Power Factor: 0.999
 Current THD: 4.45%

Warranty:

LEDs: 10-Years
 Drivers: 7-Years

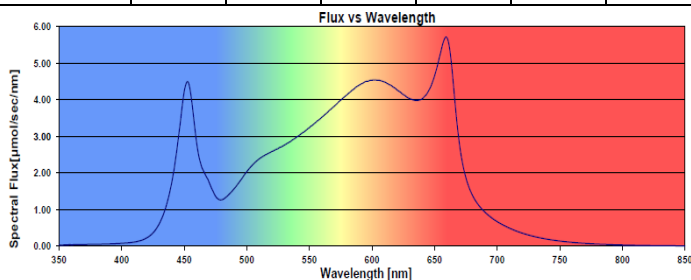
Materials:

LEDs: 1232 High Energy-Efficient Chips
 Frame: Corrosion Resistant Powder Coated Steel
 Heat Sink: Extruded Aluminum
 Modular Construction

Misc:

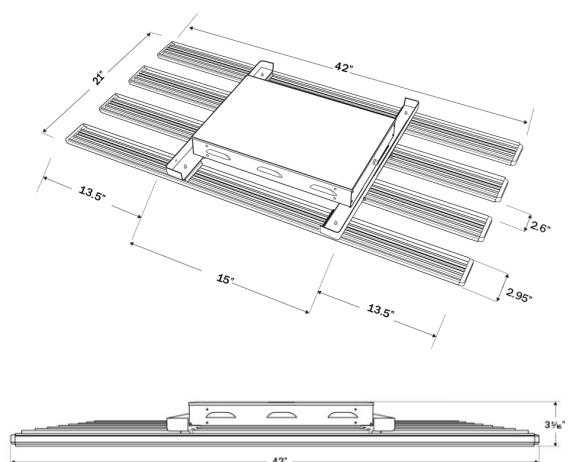
Weight: 22.5 lbs.
 Dimensions: 21" x 42"
 Cord Length: 6-ft, 15-ft cord
 Finish: White

Maximum Amperage by Voltage Service						
Voltage	120V	208V	240V	277V	347V	480V
Amperage	3A	1.8A	1.6A	1.4A	1.1A	0.8A



Single Spectrum for the Entire Life Cycle
 (Custom Spectrums available upon request)

Dimensions

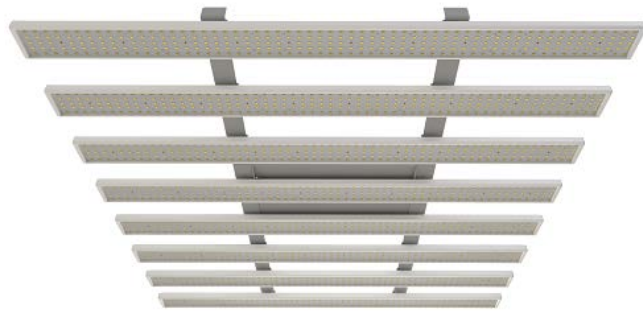


SERIES	MODEL	SPECTRUM	INPUT VOLTAGE	FINISH	CORD LENGTH
VERTA	4	A1	V01 V04	White (Standard) BL RAL#	6FT 15FT (Standard)

VERTA-8

Description:

SpecGrade's powerful yet versatile Verta-8 is perfect for both vegging and flowering applications. Its modular design allows the grower to change out the circuit boards should he/she choose to switch the spectrum or increase the efficacy as technology evolves. The proprietary thermal management system radiates less heat onto the plants while at the same time delivering unprecedented light levels and uniformity. The finely-tuned A-1 'Entire Life Cycle Spectrum' has proven itself at universities and various grow environments to improve the trichomes and taste while cutting operational costs as well as shorten grow cycles. The standard 10-year warranty on the LED boards and 7-year warranty on the drivers coupled with the new UL8800 certification says volumes about how its robust engineering will stand up to the harsh grow environment which results in an opportunity to increase current ROIs & yields.



SPECIFICATIONS

Performance

PPF: 1589 $\mu\text{mol/s}$
 PPFD: 1220 $\mu\text{mol/sec/m}^2$ (30' x 30'
 Area) System Power: 649 W
 Efficacy: 2.45 $\mu\text{mol/J}$
 Mounting Height: 6" Above Canopy
 Optic: 120°

*Performance specifications obtained from independent lab testing by Underwriters Laboratory. UL Report #12348087.01

Warranty:

LEDs: 10-Years
 Drivers: 7-Years

Materials:

LEDs: 2464 High Powered Energy-Efficient Chips
 Frame: Corrosion Resistant Powder Coated Steel
 Heat Sink: Extruded Aluminum
 Modular Construction

Spectrum: A1

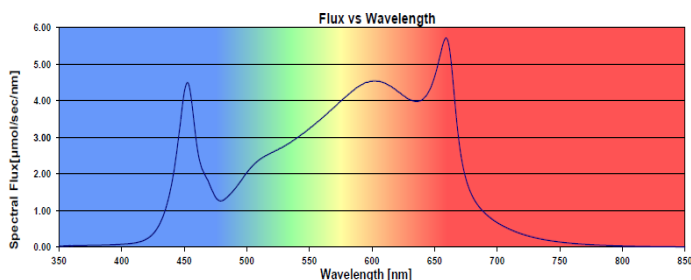
Thermal: 100% Passive Rating:
 IP 65
 Available Optics: 120° x 120°
 Electrical:

Voltage: Auto-Sensing 120-277VAC (V01),
 347-480V (V04)
 Surge Protection: 6kV
 Dimming: 0-10V
 Power Factor: 0.999
 Current THD: 4.45%

Misc:

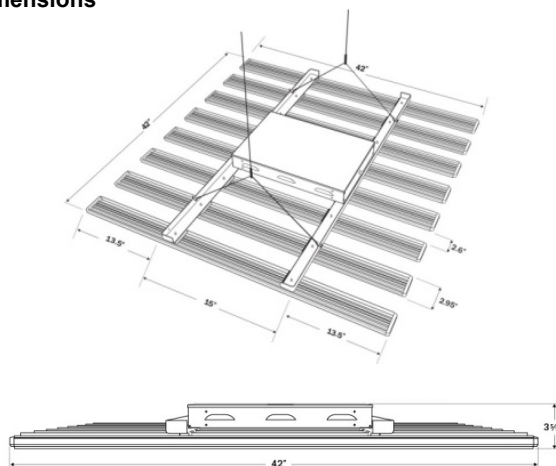
Weight: 43.5 lbs.
 Dimensions: 42" x 42"
 Cord Length: 6-FT, 15-ft cord
 Finish: White

Maximum Amperage by Voltage Service						
Voltage	120V	208V	240V	277V	347V	480V
Amperage	5.57A	3.21A	2.78A	2.41A	1.92A	1.39A



Single Spectrum for the Entire Life Cycle
 (Custom Spectrums available upon request)

Dimensions



SERIES	MODEL	SPECTRUM	INPUT VOLTAGE	FINISH	CORD LENGTH
VERTA	8	A1	V01 V04	White (Standard) BL RAL#	6FT 15FT (Standard)