



Vegetative Spectrum



450 Watt - 24" x 18" x 6", 20 lbs



600 Watt - 24" x 22" x 6", 22 lbs

Aegis Series S1

450W or 600W

SYSTEM SPECIFICATIONS

Grow-It-LED's S1 Vegetative Spectrum offers both high efficiency warm and cool white diodes coupled with 660nm red for proper plant physiological growth. See spectral distribution page for more information on this spectrum's performance characteristics

DIMMING CONTROL OPTIONS

0-10v manual dimming by potentiometer dial or 0-10v wireless dimming with Casambi system for smart phone. Casambi wireless system includes scheduling and daily light integral capabilities.

CONSTRUCTION

Robust aluminum housing for durability, custom built heatsink for optimal heat dissipation, cooling fans for increased LED performance and extended life, manual on-off switch, internal power quick disconnect, internal disc thermister for heat protection.

MOUNTING

Eye bolts for cable or chain attachment (standard). 4 point ratchet cables or Gripple Y-Fit toggle cables purchased separately.

RATINGS & WARRANTY

Temperature rated from - 40°F to 95°F, service life > 100,000 hours (L90), built to UL 1598 standard, BAA & RoHS compliant. 5 year product warranty. Consult factory for extended warranties.

Ordering Information

AEG	S1					
Series	Spectrum	Power	Voltage	Dimming (Optional)	Cord & Plug	Housing Color
Aegis Series	Vegetative Spectrum	L = Low (450W) H = High (600W)	U = Universal (120-277v)	MDC = Manual Dimming Control Potentiometer Dial WDC = Wireless Dimming Control Casambi	C? = Cord ? = Specify Length P? = Plug ? = Specify NEMA Type	WH = White BK = Black Consult Factory For Custom Colors

Mounting Accessories

4PR = 4 Point Ratchet Cables
GRP = Gripple Y Fit Cables

Custom Options

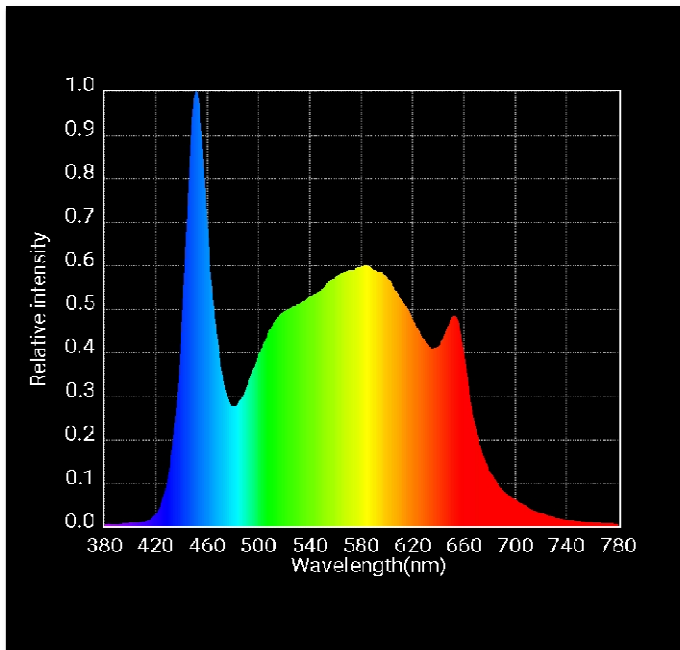
Grow-It-LED offers an assortment of custom options ranging from unique fan colors, housing colors, branding logos, custom mounting, controls for spectrum tuning and more. We are open to new ideas and encourage our customers to show their creative spirit.





Spectral Analysis

Aegis Series S1 Vegetative Spectrum



Technical Information	450 Watt	600 Watt
Operating Voltage and Current	120v = 3.78A	120v = 5.15A
	277v = 1.64A	277v = 2.23A
	347v = 1.31A	347v = 1.78A
	480v = .95A	480v = 1.3A
Cooling Fan Power Draw	12w	15w
LED Power Draw	439w	603w
Fixture PPF (380-780nm) umol/s	1183	1520
Total Power Draw	451w	618w
Heat Output (BTU)	1549.11	2108.7
Efficiency umol/J	2.5	2.5
Driver Efficiency	95%	
Warranty	5 Years	
Dimensions	25.20"L x 21.95"W x 4.47"H	25.20"L x 21.95"W x 4.47"H
Weight	25 lbs	30 lbs

Spectrum Information	450 Watt	600 Watt
TOTAL 380nm - 850nm umol/s	1183	1520
Blue 400nm - 499nm umol/s	261.44	335.7
Red 600nm - 699nm umol/s	385.51	503.18
FarRed 700nm - 759nm umol/s	20.65	26.1

All information provided is subject to change. Check our website or contact us for updated information.