Grow It LED

Vegetative to Flower Spectrum

450 Watt - 24" x 18" x 6", 22 lbs

600 Watt - 24" x 22" x 6", 30 lbs

Aegis Series S3

450W or 600W

SYSTEM SPECIFICATIONS

Grow-It-LED's S3 Vegetative to Flower Spectrum offers 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

SPECTRUM CONTROL (One of 2 Options Required)

Casambi wireless spectrum control for smart phone or manual spectrum control with potentiometer dial. Casambi wireless control also 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 themistor for heat protection.

MOUNTING

Eye bolts for cable or chain attachment (standard). 4 point rachet 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	S3			MSC or WSC		
Series	**Spectrum**	**Power**	**Voltage**	**Spectrum Control**	**Cord & Plug**	**Housing Color**
Aegis Series	Vegetative to Flower	L = Low (450W) H = High (600W)	U = Universal (120-277v)	WSC = Wireless Spectrum Control Casambi MSC = Manual Spectrum Control Potentiometer	C? = Cord ? = Specify Length P? = Plug ? = Specify NEMA Type	WH = White BK = Black Consult Factory For Custom Colors

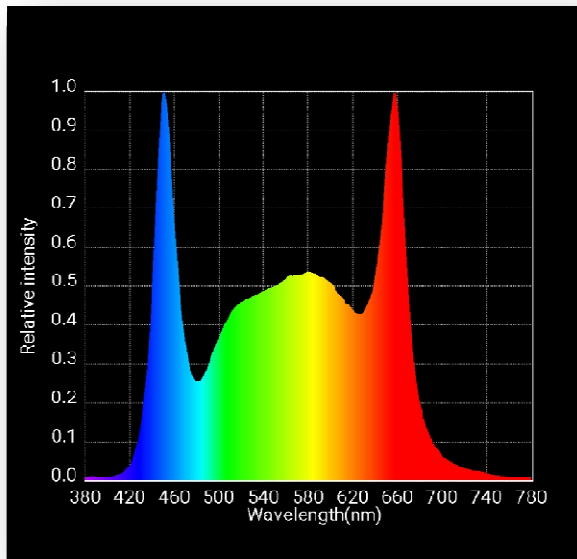| Mounting Accesoies	Custom Options
4PR = 4 Point Rachet Cables GRP = Gripple Y Fit Cables	Grow-It-LED offers an assortment of custom options ranging from unique fan colors, housing colors, branding logos, custom mounting, controls for spectrum tuning and more. We are open to new ideas and encourage our customers to show their creative spirit.

SAMSUNG

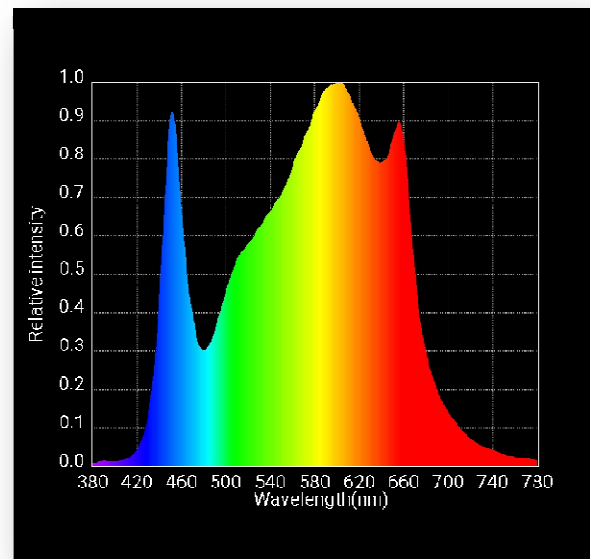INVENTRONICS

Spectral Analysis

Aegis Series S3 - Vegetative to Flower Spectrum

Vegetative Spectral Distribution

Flower Spectral Distribution

Technical Information	450W Veg.	450W Flower	600W Veg.	600W Flower
Operating Voltage and Current	120v = 1.5A	120v = 3.78A	120v = 2.05A	120v = 5.15A
	277v = .65A	277v = 1.64A	277v = .89A	277v = 2.23A
	347v = .52A	347v = 1.31A	347v = .71A	347v = 1.78A
	480v = .37A	480v = .95A	480v = .51A	480v = 1.3A
Cooling Fan Power Draw	12w	12w	15w	15w
LED Power Draw	143w	463w	231w	603w
Fixture PPF (380-780nm) umol/s	414	1133	597	1460
Total Power Draw	155w	475w	246w	618w
Heat Output (BTU)	617.6	1549.11	839.39	2108.7
Efficiency umol/J	2.7	2.4	2.7	2.4
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	25 lbs	30 lbs	30 lbs

Spectrum Information	450W Veg.	450W Flower	600W Veg.	600W Flower
TOTAL 380nm - 850nm umol/s	414	1133	597	1460
Blue 400nm - 499nm umol/s	129.4	162.7	120.4	217.2
Red 600nm - 699nm umol/s	134.1	476.7	243.8	612.3
FarRed 700nm - 759nm umol/s	2.6	29	9.3	36.1

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