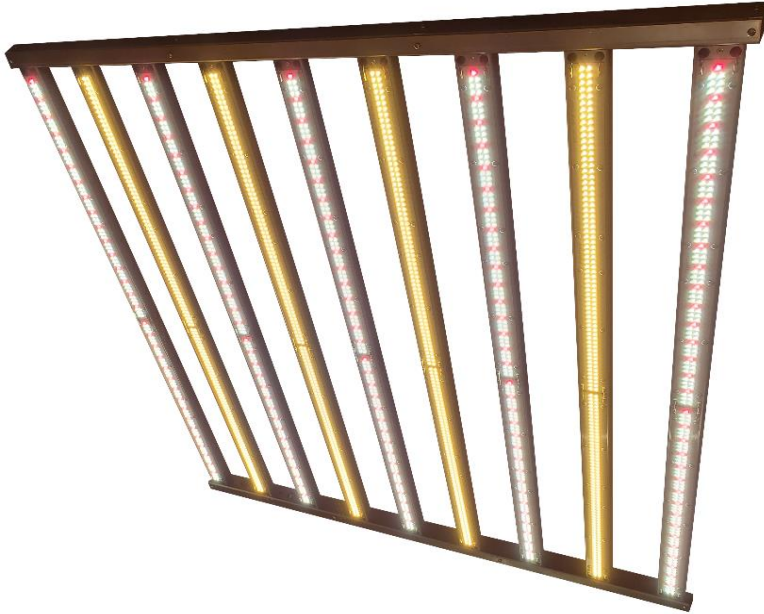




## Excalibur King Series

200w to 740w



4x4 to 5x5 Coverage Area

Fixture dimensions:



### Ordering Information

XKING						
Series	Spectrum	Power	Voltage	Dimming (Optional)	Cord & Plug	Housing Color
Excabur King Series	S1 S2 S3 S4 S5	200w 400w 600w 740w	U = Universal (120-277v)	MDC = Manual Dimming Control Potentiometer Dial  WDC = Wireless Dimming Control Casambi	C? = Cord ? = Specify Length  P? = Plug ? = Specify NEMA Type	Blank = Unpainted WH = White BK = Black  Consult Factory For Custom Colors

### SYSTEM SPECIFICATIONS

Grow-It-LED's Excabur King offers various high efficiency spectrums for a variety of budgets. 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, passively cooled design, manual on-off switch, internal power quick disconnect.

### MOUNTING

Eye bolts for cable or chain attachment (standard). 4 point ratchet cables or Grippler 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.

### Mounting Accessories

4PR = 4 Point Ratchet Cables  
GRP = Grippler 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.



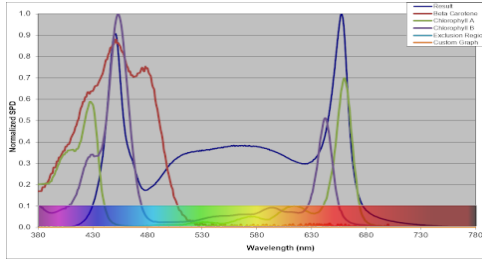
INVENTRONICS



# Spectrum Options

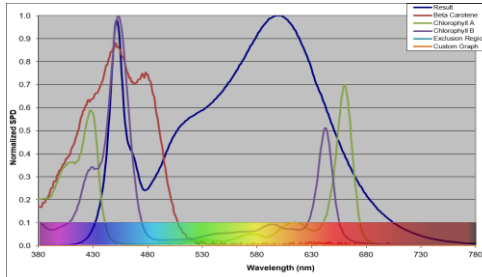
Based On High Output 600w Option

## Samsung L2 Horticulture Spectrum S1



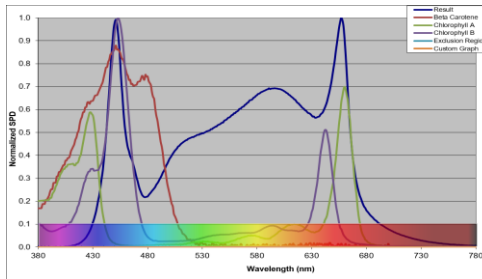
<b>Total PPF 380-780nm</b>	1552.721	μmol/s
<b>PPF in PAR 400-700nm</b>	1533.240	μmol/s
<b>Red %</b>	30.859	%
<b>Blue %</b>	18.131	%
<b>Far Red %</b>	0.738	%
<b>Red/Blue Ratio</b>	1.702	
<b>Light Source Efficacy</b>	2.911	μmol/J
<b>Driver Efficiency</b>	95.00	%
<b>System Efficacy</b>	2.766	μmol/J

## Samsung L09 White Light Spectrum S2



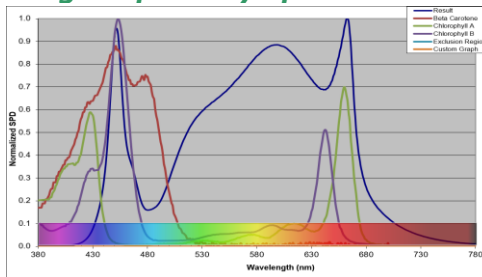
<b>Total PPF 380-780nm</b>	1502.157	μmol/s
<b>PPF in PAR 400-700nm</b>	1462.673	μmol/s
<b>Red %</b>	21.473	%
<b>Blue %</b>	11.847	%
<b>Far Red %</b>	1.588	%
<b>Red/Blue Ratio</b>	1.813	
<b>Light Source Efficacy</b>	2.511	μmol/J
<b>Driver Efficiency</b>	95.00	%
<b>System Efficacy</b>	2.511	μmol/J

## Samsung L09 and L2 Horticulture Blended Spectrum S3



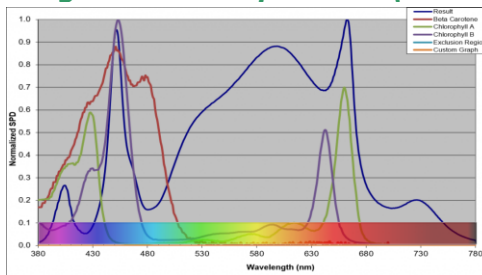
<b>Total PPF 380-780nm</b>	1516.576	μmol/s
<b>PPF in PAR 400-700nm</b>	1486.025	μmol/s
<b>Red %</b>	28.085	%
<b>Blue %</b>	14.021	%
<b>Far Red %</b>	1.207	%
<b>Red/Blue Ratio</b>	2.003	
<b>Light Source Efficacy</b>	2.763	μmol/J
<b>Driver Efficiency</b>	95.00	%
<b>System Efficacy</b>	2.625	μmol/J

## Grow-It-LED XKing Proprietary Spectrum S4



<b>Total PPF 380-780nm</b>	1818.938	μmol/s
<b>PPF in PAR 400-700nm</b>	1768.298	μmol/s
<b>Red %</b>	28.591	%
<b>Blue %</b>	10.833	%
<b>Far Red %</b>	1.677	%
<b>Red/Blue Ratio</b>	2.639	
<b>Light Source Efficacy</b>	3.084	μmol/J
<b>Driver Efficiency</b>	95.00	%
<b>System Efficacy</b>	2.930	μmol/J

## Grow-It-LED XKing Pro Series Spectrum (UV to IR) S5



<b>Total PPF 380-780nm</b>	1963.556	μmol/s
<b>PPF in PAR 400-700nm</b>	1805.546	μmol/s
<b>Red %</b>	28.038	%
<b>Blue %</b>	10.760	%
<b>Far Red %</b>	5.648	%
<b>Red/Blue Ratio</b>	2.606	
<b>Light Source Efficacy</b>	2.821	μmol/J
<b>Driver Efficiency</b>	89.00	%
<b>System Efficacy</b>	2.511	μmol/J



## Technical Information

Spectrum Information	200w Umol/s	400w Umol/s	600w Umol/s	720w Umol/s
L2 Horticulture Spectrum S1	528.07	1056.14	1584.21	1903.36
L09 White Light Spectrum S2	500.72	1001.44	1502.16	1758.11
L09 and L2 Horticulture Spectrum S3	522.86	1045.72	1568.58	1823.27
Grow-It-LED Proprietary Spectrum S4	606.32	1212.63	1818.94	2057.90
Grow-It-LED Pro Spectrum (UV to IR) S5	654.52	1309.03	1740.00	1968.59

Power Draw by Spectrum	200w	400w	600w	720w
L2 Horticulture Spectrum S1	188	377	565	720
L09 White Light Spectrum S2	193	387	580	720
L09 and L2 Horticulture Spectrum S3	195	389	584	720
Grow-It-LED Proprietary Spectrum S4	200	400	600	720
Grow-It-LED Pro Spectrum (UV to IR) S5	200	400	600	720

Efficiency Umol/J (Total PPF)	200w	400w	600w	720w
L2 Horticulture Spectrum S1	2.80	2.80	2.80	2.64
L09 White Light Spectrum S2	2.59	2.59	2.59	2.44
L09 and L2 Horticulture Spectrum S3	2.69	2.69	2.69	2.53
Grow-It-LED Proprietary Spectrum S4	3.03	3.03	3.03	2.86
Grow-It-LED Pro Spectrum (UV to IR) S5	2.90	2.90	2.90	2.73

Technical Information	V	200w Amps	400w Amps	600w Amps	720w Amps
Operating Voltage and Current	120	1.67	3.33	5.00	6.00
	240	0.83	1.67	2.50	3.00
	277	0.72	1.44	2.17	2.60
	480	0.42	0.83	1.25	1.50
Driver Efficiency		89 to 94%	89 to 94%	89 to 95%	89%
Warranty		5 Years			
Dimensions		45" x 15" x 4"	45" x 30" x 4"	45" x 45" x 4"	45" x 45" x 4"
Weight		12 Lbs.	24 Lbs.	35 Lbs.	38 Lbs.

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