

## 4 GROWTH STAGES/AREAS

Vegetative  
Clone / Nursery  
Flower / Bloom  
**Greenhouse**



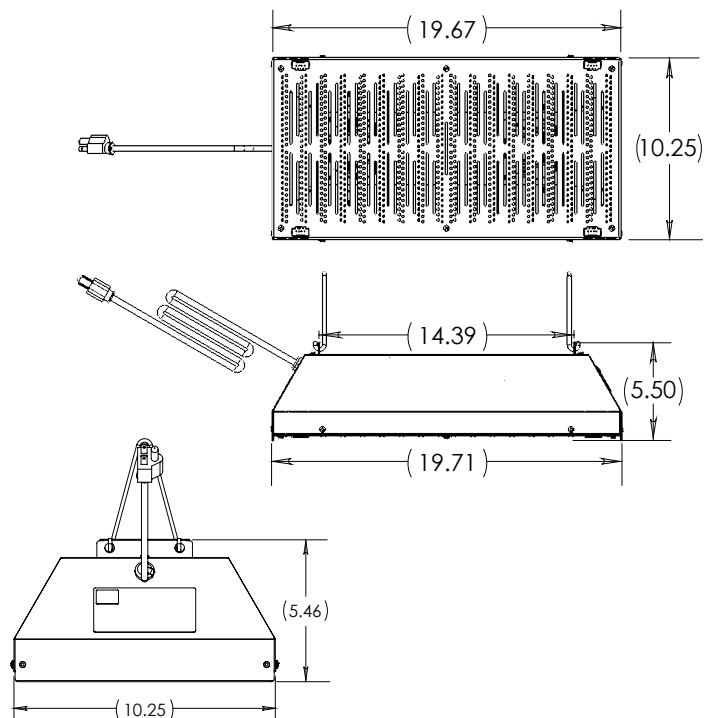
## FEATURES

- Made in the USA
- Industry leading performance
- Replaces a 1000W DE 1:1
- Patented spectrum
- Natural white light
- Tunable spectrum
- Patent pending thermal solution
- Ideally suited for GH supplemental
- Powder coated aluminum housing
- Easy installation and operation

## WARRANTY & LISTINGS

- cULus listed for horticultural damp locations not exceeding a maximum ambient temperature of 25°C
- 5-year warranty of all electronics and housing

## DIMENSIONS



## SPECIFICATIONS

Light Source	LED
Spectra	Patent 5150
Efficacy (600W)	2.06 $\mu\text{mol}/\text{J}$
PPF (600W)	1215 $\mu\text{mol}$
Input Power	590W (Actual)
Input Voltage / Current (600W)	120 @5A   240 @2.5A   277 @2.16A
Dimensions l/w/h/weight	20 / 10 / 6 / 15lbs
Mounting Height	>36 Inches
Operating Temperature	0F ~ 90F
Thermal Management	Patent Pending Infinite Life Air Mover
Dimming	0-10V/PWM
Lifetime per TM21 L70 / L90	80K hrs / 25K hrs

## ORDERING INFORMATION

Example: CT-600-U-ST

Series	Wattage	Spectrum	Input Voltage	Cord
CT	600	B = Bloom V = Veg U = Universal	ST = 90-305VAC HV = 180-528VAC	# = Cord Length (10' standard) #W = Whip (no plug) #N5 = 5-15P #N6 = 6-15P (standard)

## SPECTRUM DISTRIBUTION

Photon Flux Summary versus Wavelength Bands

	Wavelength Range [nm]	Photon Flux [ $\mu\text{mol}/\text{sec}$ ]	Total Photon Flux / % of Total
<b>UV</b>	350 - 359	0.508791	<b>3.2704 <math>\mu\text{mol}/\text{sec}</math> 0.26%</b>
	360 - 369	0.556732	
	370 - 379	0.617109	
	380 - 389	0.696973	
	390 - 399	0.890820	
<b>Blue</b>	400 - 409	1.317907	<b>223.6391 <math>\mu\text{mol}/\text{sec}</math> 17.77%</b>
	410 - 419	2.532850	
	420 - 429	6.061904	
	430 - 439	15.671267	
	440 - 449	41.479038	
	450 - 459	54.710752	
	460 - 469	33.534520	
	470 - 479	21.981656	
	480 - 489	20.422158	
	490 - 499	25.927013	
<b>Green</b>	500 - 509	33.951714	<b>549.6513 <math>\mu\text{mol}/\text{sec}</math> 43.68%</b>
	510 - 519	40.423068	
	520 - 529	44.931840	
	530 - 539	48.418175	
	540 - 549	52.005885	
	550 - 559	56.272335	
	560 - 569	61.268963	
	570 - 579	66.560534	
	580 - 589	71.413855	
	590 - 599	74.404900	

	Wavelength Range [nm]	Photon Flux [ $\mu\text{mol}/\text{sec}$ ]	Total Photon Flux / % of Total
<b>Red</b>	600 - 609	74.423794	<b>441.9889 <math>\mu\text{mol}/\text{sec}</math> 35.13%</b>
	610 - 619	71.192631	
	620 - 629	65.060342	
	630 - 639	56.915658	
	640 - 649	47.942316	
	650 - 659	39.094186	
	660 - 669	31.033348	
	670 - 679	24.085175	
	680 - 689	18.380212	
	690 - 699	13.861236	
<b>Far Red</b>	700 - 709	10.351623	<b>37.9846 <math>\mu\text{mol}/\text{sec}</math> 3.02%</b>
	710 - 719	7.690427	
	720 - 729	5.699078	
	730 - 739	4.197141	
	740 - 749	3.098767	
	750 - 759	2.294404	
	760 - 769	1.704284	
	770 - 779	1.271016	
	780 - 789	0.954987	
	790 - 799	0.722835	
<b>IR</b>	800 - 809	0.548892	<b>1.794 <math>\mu\text{mol}/\text{sec}</math> 0.14%</b>
	810 - 819	0.425692	
	820 - 829	0.330572	
	830 - 839	0.259465	
	840 - 850	0.229355	

Flux vs Wavelength

