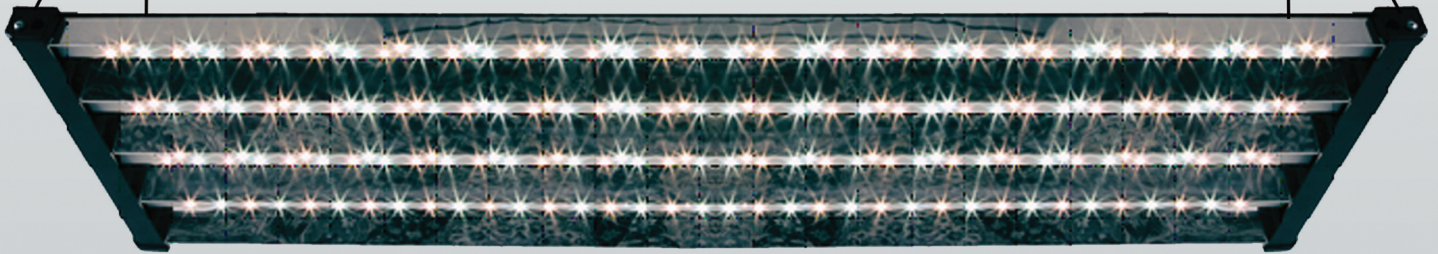




The **CannaLight**<sup>TM</sup>  
by **LED Bloom**

Manufactured in the USA

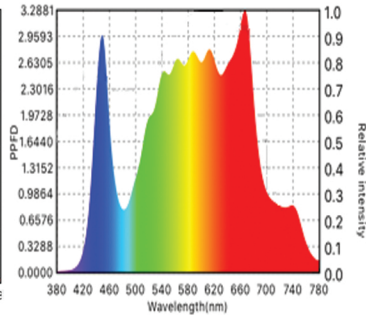
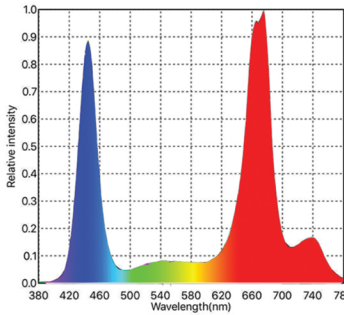




### The Standard Offering

**CannaLight** for microgreens, leafy greens, greens and decorative flowers.

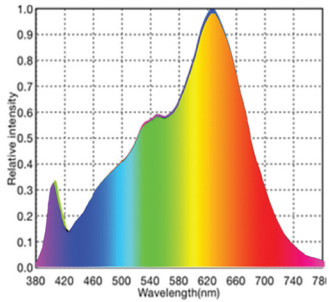
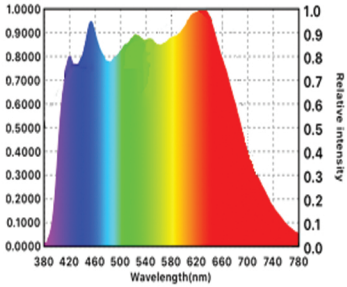
for medical herbs, and other full spectrum applications.



### Special Order Spectra

Full spectrum Cool White for cannabis and other plants.

Full Spectrum Warm White for blooming and flowering.



### SPECIFICATIONS

Dimensions	45"x13"x2"	
Weight no power supply	5 lbs	
Weight with power supply	11 lbs	
<b>Power Supply</b>		
Input voltage	85-240VAC, 50/60 Hz	
Type	Constant Voltage	
Output	43-52VDC 6.7A	
Power Factor	>0.98	
Power Efficiency	95%	
THD	<20%	
Overload Protection	Yes	
<b>Technology</b>		
Reflector	Polished aluminum 90 degrees	
Configuration	2-channel, 4 PCB fingers	
PCB type	Aluminum clad	
No of LEDs	216	
Thermal Management	Passive	
	<b>WWCW</b>	<b>RBW</b>
Wattage	300	200
Center PPFD @12"	675 umol/m <sup>2</sup> /s	700 umol/m <sup>2</sup> /s
Center PPFD @24"	330 umol/m <sup>2</sup> /s	391 umol/m <sup>2</sup> /s
Efficacy - PPFD/Watt @12"	2.25	3.5
Mounting Height	>4" above canopy	
Mounting type	Adjustable hanging mechanism for overhead/side lighting	
	Carabiners for under shelf mounting	

Below is an absorption chart for plants showing the wavelengths needed for photosynthesis and other photobiological processes. Missing from the chart are the "circadian" aspects including UV (265nm-400nm) and Far Red (730nm-740nm). UV is used to tell plants that it is "wake up" time and Far Red tells them when to switch from light reactions to dark processes. There are additional uses of the wavelengths, for example, Far Red (730nm) in conjunction with Deep Red (660nm) enhance photosynthetic activity.

