



EXPERIENCE THE INDUSTRY'S FIRST HIGH
EFFICIENCY MULTI-DRIVER LIGHT SERIES







Customer Support

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SUNLIGHT PRO

The light spectrum that most plants utilize has the range of UVA (380nm) to Far-Red (780nm) and this broader range of light is not visible to humans.

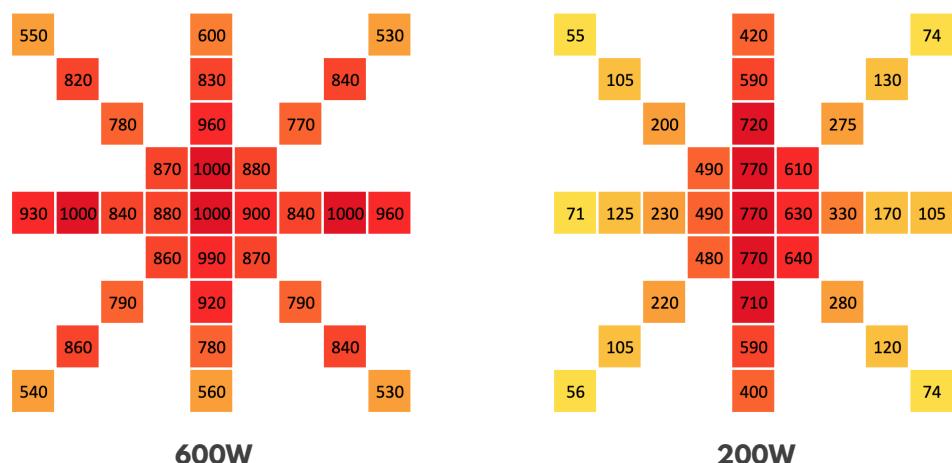
The Sunlight PRO can control each color's brightness in the spectrum, with ratios of Red to Blue from 1:1 up to 10:1, with added UV and far-red. We accomplished this while also maintaining the PPE efficacy and changes between growth stages with each ratio.

The Grow3 Sunlight PRO is optimized to provide 100% control to the end-user and maximum amount of light for healthy plant growth. If you want your plants to have what other products on the market can't provide, then the Grow3 Sunlight PRO is the right choice.

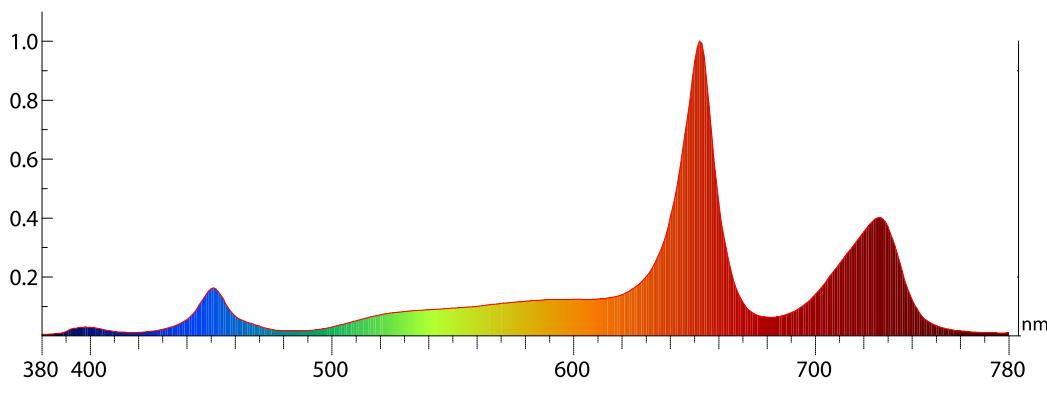
Model	Color Profile	UV	Far Red	Expandable	Red : Blue Color Ratio	PPF Umol/s	Efficacy Umol/J
Sunlight Pro	380-780nm	YES	YES	YES	6:1 (Default)	200W = 524 600W = 1586	2.5

PPFD

$\mu\text{mol/m}^2/\text{s}$



SPECTRUM



SUNLIGHT

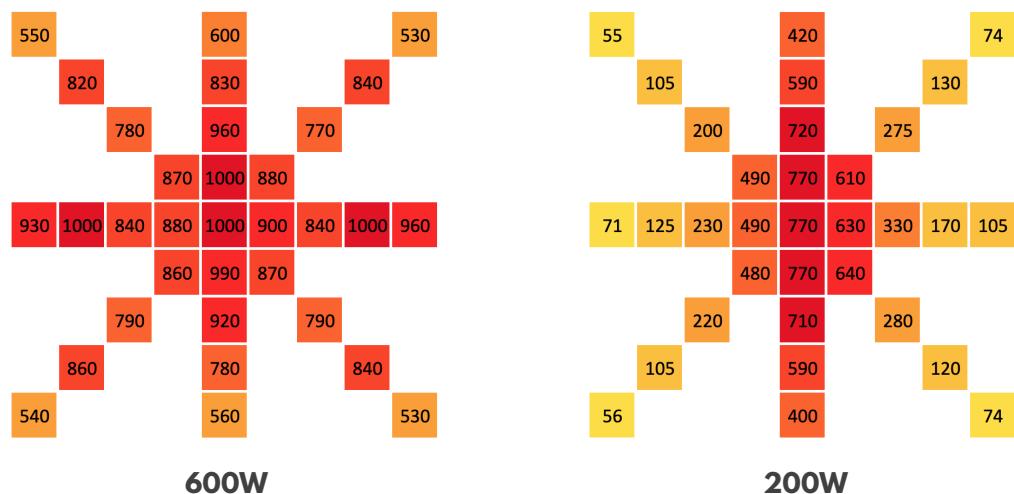
For the grower to mimic the full visible spectrum, with the least amount of programming effort, our Grow3 Sunlight model is the simplest and best option.

Built with the busy grower in mind, the Grow3 Sunlight model gives you the ability to control each color's brightness, with the ratios of Red to Blue light tones from 1:1 up to 10:1, all while maintaining the PPE efficacy between growth stages within each ratio.

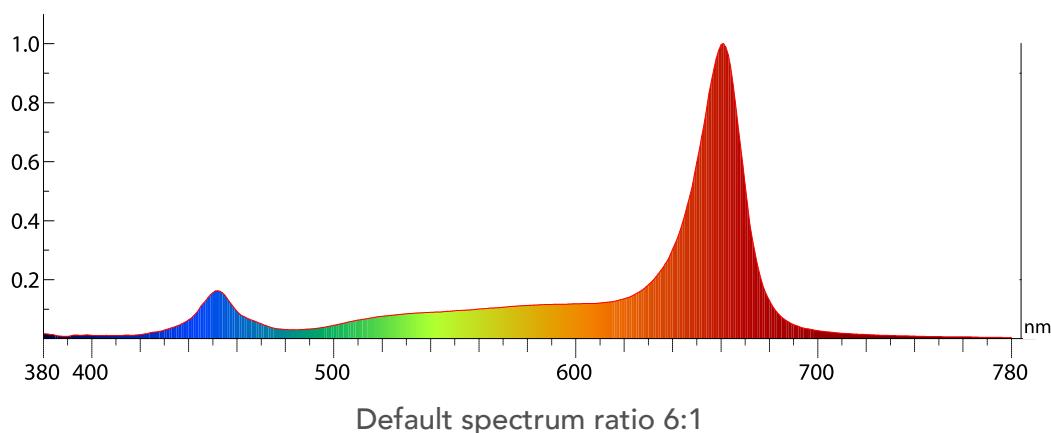
Model	Color Profile	UV	Far Red	Expandable	Red : Blue Color Ratio	PPF Umol/s	Efficacy Umol/J
Sunlight	400-700nm	NO	NO	YES	6:1 (Default)	200W = 524	2.7
						600W = 1586	

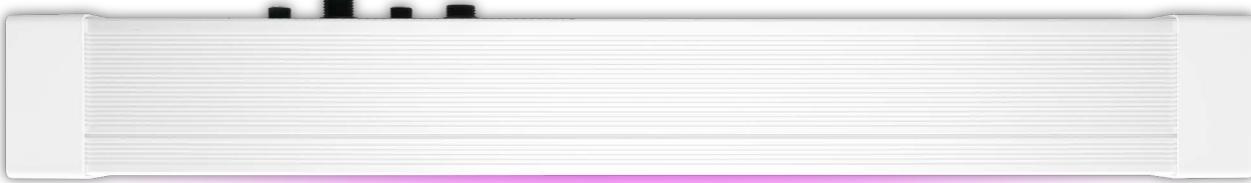
PPFD

$\mu\text{mol/m}^2/\text{s}$



SPECTRUM





Customized Light Output & Complete Control

One of the significant advantages the Grow3 has over other light systems in greenhouse operations and the vertical farming industry, is the full control the user has over the light spectrum output.

It is 100% customizable for the optimal plant growth for each varietal.

Light control and power efficacy are significant advantages of the Grow3 series of lights. When you use the Grow3 Series, you also have full control of the type (PAR), intensity (PPFD), and efficiency of power (PPE) of the fixtures.

The full ability to control the light allows the user to maximize their growing cycle while optimizing the growing cost. LED SMART's Grow3 series of lights puts complete control in the users' hands.

Compare that with the majority of grow lights on the market today, and you will be confident that your facility will have the competitive advantage.

Experience the Multi-Driver Difference

Our innovative design uses multiple drivers to maintain the Grow3 high-efficacy rating.

Despite higher or lower light output, as desired for each growth stage, the internal drivers remain at their highest efficacy, saving electricity costs and maintaining a steady PPE rating with reduced thermal generation.

Our smaller, internal power drivers allow for the best, most efficient use of electricity when controlling the light output intensity. Smaller, efficient power supplies produce less heat, which is why the Grow3 series does not require a fan.

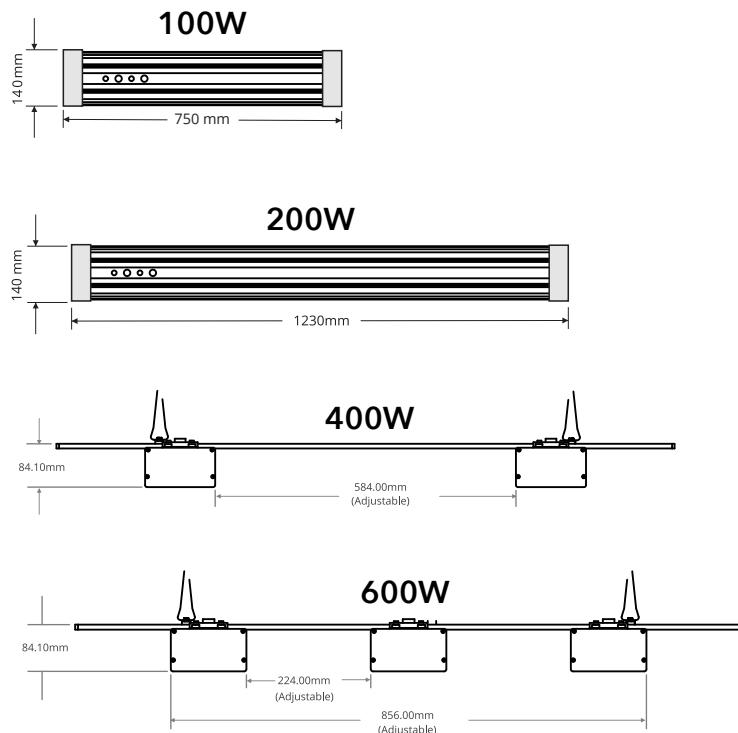
The Grow3 remains cool and efficient with every growth setting. Most technologies on the market today rely on large drivers to power their grow lights, a standard industry method; however this significantly reduces the power efficacy and increases the heat generated by the lighting system.

LIGHT FEATURES

GROW3



DIMENSIONS



SPECIFICATIONS

Light Source	LED
Input Voltage	100-277V
Mounting Height (Recommended)	18 INCHES
Thermal Management	Passive
Dimming	PWM
Light Distribution	120°
Lifetime	L90 >50,000hrs
Power Factor	> 96%
Certifications	DLC, UL
IP Rating	IP66
THDI	< 12%
Max Ambient Temperature	40°C (104°F)

ORDERING INFORMATION

SERIES	VOLTAGE	LENGTH	WATTAGE	PPE/COLOR	CONTROL TYPE	LENS
GRW	120	XX	XXX	XX	X	C
	120 = 100-277VAC	48 = 48"				
			100 = 100W 200 = 200W 220 = 220W 400 = 400W 440 = 440W 600 = 600W 660 = 660W	SP = Sunlight PRO Full Spectrum White, Red, UV & Far Red	A = Advanced S = Standard	C = Clear
				SL = Sunlight		

cUL/UL applicable to Standard Control models only
24" only available in 100W & Sunlight
200W, 400W & 600W only available with Sunlight Pro
220W, 440W & 660W only available with Sunlight Pro

1-800-457-0416



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CONTROL



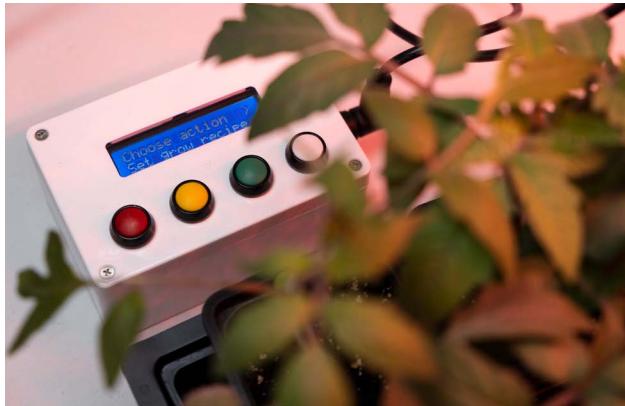
The Grow3 Control System has the ability to be remote or automated controls using either Wi-Fi or Bluetooth commands.

Using the Grow3 APP, growers can control the spectrum and intensity of the lights. Program and store your favorite light recipes and quickly set the lighting schedule that best suits your needs. Utilizing the mesh network technology and controls through the Grow3 App, the Grow 3 light system can be programmed for multiple zone controls with different schedules and spectrum outputs.

The lights and any IoT sensors can connect to form a mesh network, either through Bluetooth™ or Wi-Fi.



EXTERNAL CONTROL BOX



The external control box is available for both the advanced and standard models. Users will have full function and control of the light; Future versions will have both wired and wireless control functions. One external control box can control up to 256 lights.

