Specifications	SolarStorm		SolarFlare	
	800W	400W	200W	100W
Electrical Characteristics	120V AC / 50-60Hz WARNING: All units are 120VAC only, do no plug into 240V			
Operating Voltage				
Total Power Consumption	Veg Mode: 450W Bloom Mode: 625W Bloom + UVB: 650W	Veg Mode: 230W Bloom Mode: 320W Bloom + UVB: 345W	165W	85W
Power Factor	0.99	0.99	0.99	0.99
Max Current at input	5.5 Amps	2.9 Amps	1.4 Amps	0.7 Amps
LED Characteristics				
Max power per LED	5W	5W	5W	5W
Total number of LEDs	160	80	40	20 (VegMaster) 22 (BloomBooster)
LED Board	0.040" Aluminum Metal Core PCB			
Number of LED boards	4	2	1	1
LED Primary Lens Viewing Angle	90 degrees			
LED Total included angle	130 degrees			
LED Color Spectrum	Proprietary Optigrow Color Blend			
	Deep Blue: 440 nm Blue: 470 nm Red: 620 nm Deep Red: 665 nm Warm White: 3100K UV-B: 280-315 nm (T8 Fluorescent)		Deep Blue: 440 nm Blue: 470 nm Red: 620 nm Deep Red: 665 nm Warm White: 3100K	
LED Drivers	Custom Build Constant Current Mode LED drivers			
Total number of drivers	8	4	2	1
Max power per driver	100W			
Luminous output Characteristics	PAR light output measured in adjusted* µmoles/m2/s at center			
Distance from light 12 inches	3046	1996	1558	657
18 inches	2037	1074	656	302
24 inches	1334	644	342	178
32 inches	791	426		
Recommended Coverage Area Veg. or supplemental (Max) Bloom (Max)	7' x 7' 4' x 4'	6' x 6' 3' x 3'	5' x 5' 2' x 2'	4' x 4' Not recommended
Expected Life Span				
LED projected life span	80,000 Hours			
LED output after 65,000 hrs	70%			
Cooling fan life span	50,000 MTBF			
Operating Requirements				
Operating Ambient Temperature	-15°C to 40°C (5°F to 104°F)			
Operating Position	Light Facing Down			
Dimensions	23" x 18" x 5"	15" x 18" x 5"	9" x 9" x 4"	9" x 9" x 4"
Weight	32 lbs	18 lbs	8 lbs	7 lbs
Safety Features	Fused power input. Over-temperature thermal shut-off. Overvoltage (surge) protection. Three wire grouned power input. All units comply with all UL/ETL safety requirements. (Formal UL listing in progress)"			
Manufacturer's Warranty	Limited 3 year warranty			
	* Luminous output measured using a radio-spectrometer with NIST traceable calibration (calibration certificate available upon request.) Measurements are adjusted to account for plant spectral absorption according to DIN 5031-10. For details on our luminous output measurements and calculation techniques, please visit our website: www.californialightworks.com			

CALIFORNIA LIGHTWORKS

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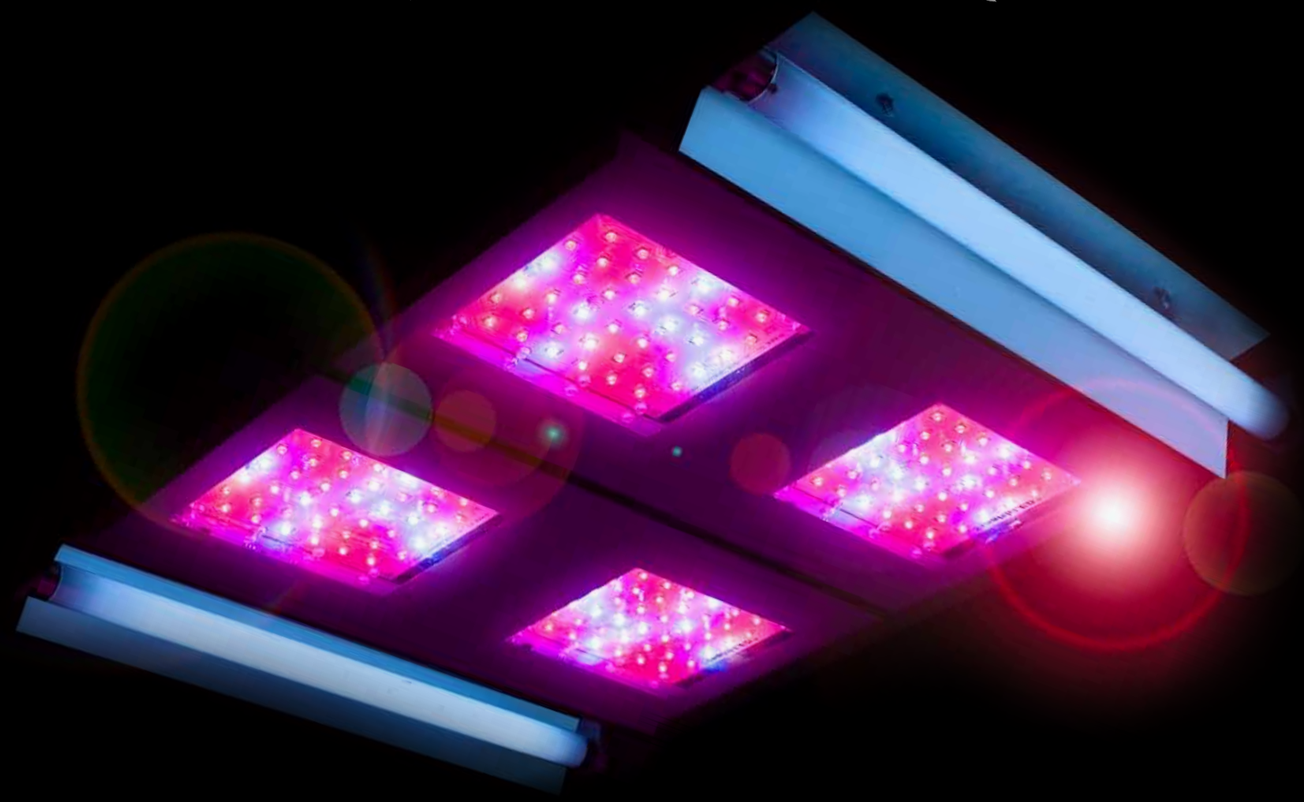
LED GROW LIGHTS THAT DELIVER



CALIFORNIA LIGHTWORKS

CaliforniaLightWorks.com

SOLARSTORM™

HIGH POTENCY
800W & 400W LED GROW LIGHTS

Supplemental UVB Light Built in • Maximum Intensity
5 Watt LED Emitters • Switchable Spectrum Control

HIGH POWER LED PANEL
Highest light output on the market delivers better coverage and yield in both veg and bloom.

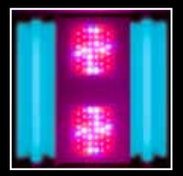
SUPPLEMENTAL UVB LIGHT BUILT IN
Increases resin development and boosts potency.

MAXIMUM INTENSITY 5 WATT LED EMITTERS
Better penetration into the canopy, six band spectrum.

SWITCHABLE SPECTRUM CONTROL
Independent controls for veg, bloom and UVB.

DESIGNED AND MANUFACTURED IN CALIFORNIA
Local support from the people who actually make the light!

SolarStorm 800W
- 160 x 5W LEDs
- 2 x 18" T8 UVB
- Veg/Bloom Control



SolarStorm 400W
- 80 x 5W LEDs
- 2 x 18" T8 UVB
- Veg/Bloom Control

Switchable spectrum between Veg and Bloom. Separate UVB control.

LED Grow Light Technology

Light Emitting Diode (LED) technology is the wave of the future. It is rapidly replacing traditional lighting in every application from street lights to warehouse lights to automotive lights. LED based grow lights can significantly outperform High Intensity Discharge (HID) and fluorescent lights in indoor horticulture. However, many low quality LED grow lights overpromise and under-deliver. Most of them come from the same low cost factories overseas with little R&D behind them and they simply do not work. To be effective, LED grow lights need to target the right parts of the light spectrum at the right intensity. Working with hundreds of growers across the country, we design and manufacture products in the U.S.A. that actually work. Our maximum intensity 5W diodes combined with our OptiGrow® technology target the parts of the light spectrum where absorption by plants is highest at high levels of intensity. The result is superior quality, higher potency yield and lower power consumption.

But don't take our word for it. Our products are some of the most widely reviewed grow lights by the some of the most discriminating growers. Check out the dozens of grow journals of our SolarStorm and SolarFlare users online at www.ledgrowlightforum.com

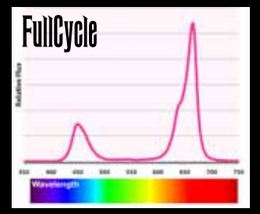
SOLARFLARE™

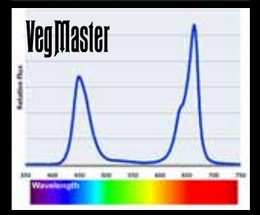
200W & 100W LED GROW/BLOOM LIGHTS

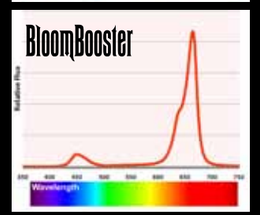
5 Watt LEDs – Clever Chainable Design

SolarFlare 200W
- 40 x 5W LEDs
- Clever chainable design, allows up to 10 lights to use single power outlet.
- Available in 3 custom spectral blends:
  - Full Cycle
  - VegMaster
  - BloomBooster

SolarFlare 100W
- 20 x 5W LEDs
- Clever chainable design, allows up to 20 lights to use single power outlet.
- Available in 2 custom spectral blends:
  - VegMaster
  - BloomBooster







3 Year Limited Warranty

Made in the U.S.A.