



SolarStorm 880



Product Specification

Electrical Characteristics

Operating Voltage	90-277 VAC 50/60Hz
Total Power Consumption:	
• Veg Mode	475 Watts
• Bloom Mode	650 Watts
• Bloom Mode + UVB	680 Watts
Power Factor	0.99
Typical Current: 2.83A (@240V) – 5.67A (@120V)	

LED Characteristics

LED Emitter Type	OSRAM SSL
Total number of LEDs	288
LED color blend	Proprietary OptiGrow® Blend
LED board	.040" Aluminum Metal Core PCB

LED color spectrum (dominant wavelengths):

- Deep Blue 440nm
- Blue 470nm
- Red 620nm
- Deep Red 665nm
- Warm White 3100K
- UVB 285-315nm

LED Drivers

Type of driver	Custom Built Constant Current Mode
Number of drivers	8
Max power per driver	100 Watts

Luminous Output Characteristics*

PAR Output Measured in adjusted* µmoles/m ² /s at center	
Distance from light:	Value
12 inches	3,694
18 inches	2,439
24 inches	1,596

Recommended Coverage Area

Bloom (20"-30" distance)	Up to 4' X 4'
Veg (Up to 6' above plants)	Up to 7' x 7'

Dimensions & Weight

Length x Width x Height	23" X 18" X 5"
Weight	32 lbs

Expected Life Span

LED Expected Life Span	80,000+ Hours
LED Expected Output After 50,000 Hrs	> 90%
Cooling Fan Life Span	50,000 Hrs MTBF

Operating Requirements

Operating Temperature	-15°C to 40°C (5°F to 104°F)
Operating Position	Light Facing Down

Warranty

Limited 3 year warranty

* Luminous output measured using a spectrometer-radiometer 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 or contact us.