



Nature Meets Technology.

Game Changing LED Lighting Systems
from California Lightworks

**THE GAME HAS JUST
CHANGED...**

**Advanced programmable
spectrum control matches
the sun in any growing
conditions for better growth,
lower energy usage and
higher yields!**

**High power bloom lights
designed by growers for
growers give results where
it counts – plant quality
and yield!**

**California Lightworks offers
the most reliable lighting
solution with local design,
R&D, manufacturing, light
application design and
service under one roof.**



SolarSystem
horticultural lighting 

Programmable Spectrum Control.

With the Solar System Controller, you can automatically adjust each of three separate light spectrum channels from 0% to 99% - Channel 1 – Red & Deep Red, Channel 2 – Natural White View Mode, Channel 3 – Blue and Deep Blue. This can be done manually or automatically using the built in timer and calendar. A single controller can control a virtually unlimited number of fixtures from a single point or this can be separated into zones at a minimal cost. This allows automated programs for sunrise /sunset, spring /summer / fall and final finishing modes that better mirror natural patterns and improve growth – Nature Meets Technology!



High Efficiency. Low Maintenance.

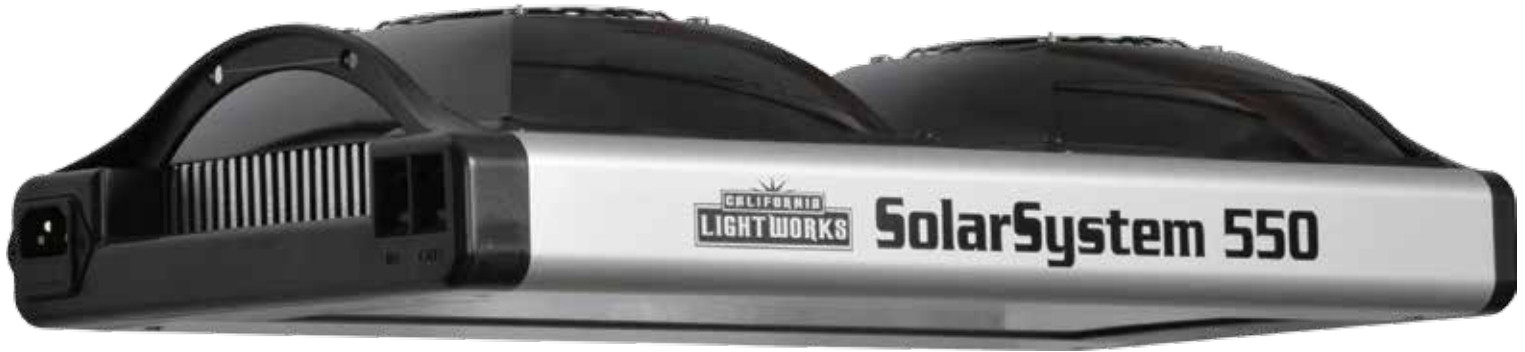
The Solar System 550 will produce the same yield as an HPS or MH light with an average of 40% less energy usage. Using our advanced spectrum control system will further increase efficiency and yield compared to old fashion fixed spectrum lighting. The Solar System Controller can be linked to a light sensor in a greenhouse to maximize daylight harvesting while minimizing wasted energy. Our LEDs are plug and play and very light weight so installation is streamlined. Add to this the advantage of never changing a bulb and you have the Most Efficient Lighting System in the Industry.

Highest Yields. Guaranteed.

Top of the Line Osram LEDs are driven to their maximum power rating using our exclusive active heat management system. Higher power equals higher yield. Using our adjustable spectrum control to maximize blues and deep blues during vegetative growth produces lush growth, shorter spacing between nodes and less stretching. Maximizing reds and deep reds in bloom increases yield and resin development. California Lightworks LEDs generate better yields – Satisfaction Guaranteed.

Best Value. Highest ROI.

The Solar System 550 features advanced design and manufacturing that produces a high power LED fixture at a very reasonable cost. Lower purchase cost, reduced energy usage and the elimination of replaceable bulbs matched with higher yields means in the best return on investment in the industry. A marginally higher initial cost compared to HPS or MH lights is quickly recouped in a very short time – Lower energy costs, simplified installation, never a bulb to change and extended fixture life add up to Quick Payback Periods.



Highest Reliability. Best Support.

All California Lightworks LEDs are produced entirely in our factory in Southern California. We have over seven years' experience in designing and producing the most reliable LEDs of any brand. We test and burn in all light fixtures before shipment and offer 24-hour service. Our designs are all modular and can be repaired even after years of use. The highest reliability matched with the best support equals the best investment you can make in your grow operation.

Networking & Integration.

The Solar System is an intelligent networking light system that will evolve through software advances without having to upgrade equipment. Advanced lighting parameters can be developed and saved for any type of plants or growing conditions. Additional lighting equipment options can be added to the system including separate fixtures for UVB, infrared or specialized supplemental lighting. The system can be integrated with light sensors for daylight harvesting or spectrum specific supplemental lighting in greenhouses. Options are also available for PC, wireless, internet and smart phone applications.

By the numbers...

CALIFORNIA LIGHTWORKS
FOUNDED IN
 **2008**



90-305
AUTOMATIC VOLTAGE
RECOGNITION



5 YEAR
MANUFACTURERS
WARRANTY

4X8 FOOT PRINT FOR LOW
INTENSITY VEG

3X4 FOOT PRINT FOR HIGH
INTENSITY BLOOM

90 DAY NO QUESTIONS
RETURN POLICY

400 ACTUAL WATTAGE
DRAW AT FULL POWER

1.6 LED OUTPUT
EFFICIENCY



13 POUNDS
HANGING WEIGHT

 **50,000**
HOURS ON LEDS AND FANS

40% POWER
SAVINGS
OVER HPS



65 IP RATING
WATERPROOF



1000s

AND 1000s OF SATISFIED CUSTOMERS
USING CALIFORNIA LIGHTWORKS LEDS

SolarSystem 
horticultural lighting



5 Year Warranty

Contact us to learn more:

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