LumiGrow
The leader in smart horticultural lighting.

LumiGrow FAQ

1) What is the Pro series coverage area for my plant species?

The Pro 325 LED growth light is a direct replacement for a 1,000W HPS lamp. Expect the same coverage area and photosynthetic red and blue PAR as you would get out of a 1,000W HPS, but with 70% less energy consumption.

The Pro 650 LED growth light provides the same coverage area as the Pro 325 light, but puts out twice the photosynthetic light. This unit, which delivers as much red and blue PAR as provided by two 1,000W HPS, is designed for growers who want to give their plants as much light as possible. Energy savings versus a 1,000W HPS is 40%.

2) How many lumens do LumiGrow's solutions produce?

Lumens are a measure of human visual response to light which is very different from plant response to light. Humans perceive green light very strongly as it falls in the middle of the visible spectrum. Green plants are green because they reflect most green light.

It is not hard to see why a light that was high in green wavelengths would be perceived as very bright to humans while offering little photosynthetic benefit to green plants. Micromoles (or DLI = daily lighting integral = daily sum total of micromoles) is the term used to quantify a light source's intensity for driving photosynthesis.

3) Are LumiGrow's LED solutions viable for all stages of plant growth?

Yes. The LumiGrow spectrum is finely tuned with the guidance of plant scientists to generate maximum photosynthetic response through all stages of growth.

4) What can I grow with LumiGrow's LED solutions?

LumiGrow's spectrum is designed for maximum photosynthetic response in green plants. If it has chlorophyll it will grow with our solutions.

5) What do I set the dials at for my plant type?

LumiGrow recommends that the dials be set at full power through all stages of growth. The expert grower may wish to adjust the color ratios to determine the best intensity and color regimen for their plant material.

6) How much will the Pro Series save me on my electricity costs?

Simple answer:

The Pro 325 is a 325W unit that replaces a 1,000W HPS. The user can expect a 70% savings on the portion of their electricity bill associated with the lighting. There will likely be significant, additional savings from reduced cooling loads as LumiGrow's solutions run 70%(or more) cooler than conventional lighting.

7) Why are LumiGrow's LED solutions better than other LED solutions?

In Brief:

Longest warranty
Highest intensity
Third-party proven
Advanced thermal management
More efficient conversion of energy to photosynthetically usable light
Made in the USA
Controllable spectrum
Commercial grade – designed to handle the harsh elements of a grow operation
Low/no maintenance and easily replaceable mechanicals (fans)
Complimentary customer support from a US-based manufacturer (via phone or web)

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8) Why should I switch to LumiGrow's Solutions from conventional lighting?

Reduce fixture energy use 40 – 70%
Reduce cooling load
Reduce water consumption
Reduce/eliminate fire and burn hazards
Eliminate toxins from the grow area
Increase Production
Extend the growing season
Extend the day length
Improve the quality and taste of the plant material
Shorten crop cycles
Prolong Blooms
Induce earlier flowering
Manipulate morphological characteristics (via ratios)
Eliminate heat stress
Spectral control allows quantifiable results
Reduce waste destined for landfills
Contribute to reducing fossil fuel consumption as conventional lighting is not designed for plant growth and as a result is highly wasteful
Utility rebates and incentives for energy efficient products can further reduce the Total Cost of Ownership

9) Will the fixture work in my country?

Yes. Off the shelf, LumiGrow fixtures work on any voltage between 84V and 264V. Other power options are available on special orders. Most countries fall between the above. Customer must specify plug type.