






HL06 – Horti King

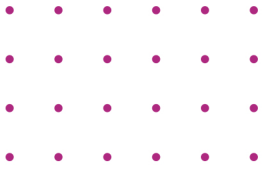
Floriculture



 **Niagara
College
Canada**

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About Us

We provide LED Lighting Solutions for farmers who do In door Farming, Vertical Farming, or Greenhouses Lumesmart's innovative LED products offer selection of colour and wavelength specific lights to promote growth in different produce varieties adjustable illumination intensity and helps to control dust keeping food fresh for longer Our energy-saving products are listed in the Ontario Made, and our DLC-certified products are allowing farmers to earn retrofit from the government.



Our Vision

Making Peace by Saving Nature
from the Effects of
Global Warming



Reducing carbon footprint by eco-friendly Lumesmart LED lighting

LumeSmart can help the greenhouse sector by providing energy-efficient and eco-friendly LED products. These solutions enable growers to reduce their carbon footprint and save on energy costs.

Customized LED lighting solutions

LumeSmart can offer lighting systems custom-suited to the crop-specific needs of their clients, offering better performance compared to HPS lighting solutions of LED lighting systems



Adjustable and personalized LED lighting solutions

Lumesmart LED systems offer customizable lighting solutions, through adjustable intensity and color spectrum, ideal for custom light formulations commonly known as 'light recipes'

Government support through grants

The Federal and Provincial governments have both shown general support for the adoption of LED lighting systems as a method to reduce electricity consumption in the greenhouse industry. LumeSmart can leverage these grants to help offset the cost of switching to LED lighting making it a better financial decision for growers



Best Innovative LED Solutions for Your Horticulture Industry

We are providing the Best innovation solutions for Indoor Framing Greenhouses, Vertical Framing industries Based on our Research partnership with Niagara College Business & Commercialization Innovation Centre



Innovative Lighting Solutions
Government Support



Professional Engineering Team
After Sale Support





HL06 – Horti King

Horti-King is a full-cycle top lighting solution for cannabis plants, the simplicity of installation and use make it an ideal solution for achieving high and uniform lighting levels in greenhouse and indoor sole-source applications.

System Efficacy

2.0 $\mu\text{mol}/\text{J}$ 2.8 $\mu\text{mol}/\text{J}$

Dimming

0~10 V Dimming

IP Rating

IP65

Certificate

ETL, CE, RoHs



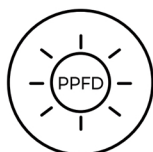
Key Features



- Designed with tempered glass cover, resistant to all kinds of corrosion from nutrient solutions and pesticide, and resistant to high-pressure water jet cleaning
- Compact design, can minimize shadow effect.
- No additional assembly is required as the fixture is ready for installation and intended use



Resistant water jet



High PPFD

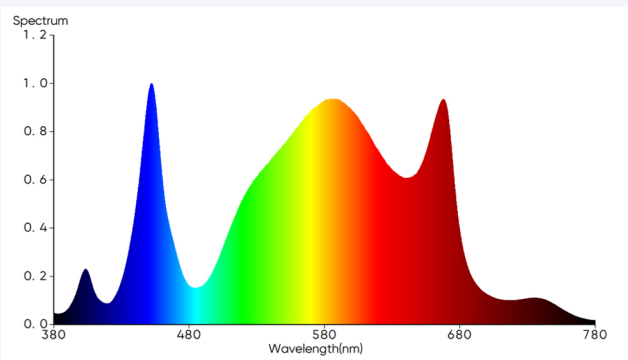


Product Specifications

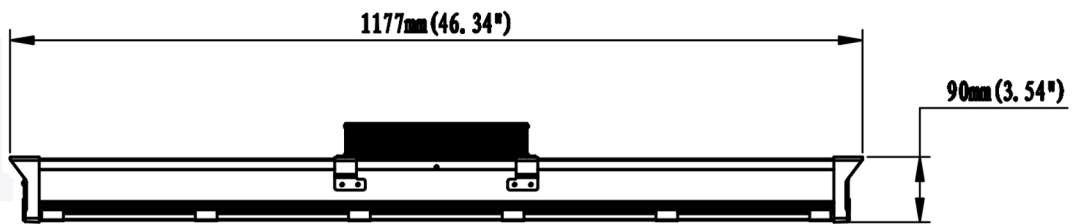
Item No	HL06-600
Power	600 W
PAR Output	1148 $\mu\text{mol/s}$ 1806 $\mu\text{mol/s}$
ePAR Output	1200 $\mu\text{mol/s}$ 1806 $\mu\text{mol/s}$
AC Input Voltage	100-240 V AC / 100-277 V AC / 277-480 V AC, 50/60 Hz
Radiation Angle	120°
Net Weight	11.6 kg / 25.7 lbs
Gross Weight	12.68 kg / 27.95 lbs
Dimensions	1177 x 145 x 136 mm (46.34" x 5.7" x 5.35")



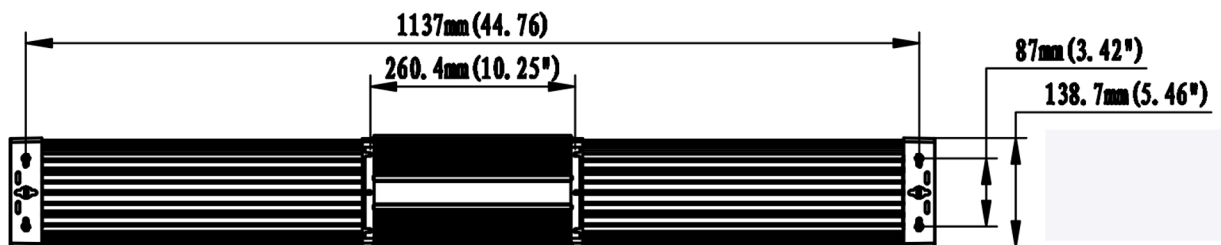
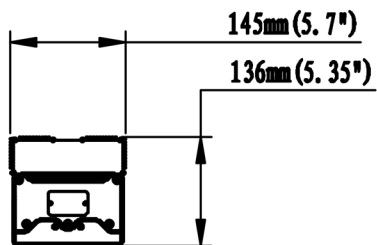
Spectrum Solution



At the flowering stage of cannabis using full spectrum flowering distribution promotes nutrient growth of cannabis plants, designed with an emphasis on the red and far red range to ensure the quality and quantity of flowering yields. With a peak wavelength of 400nm is designed to provide beneficial photomorphogenic responses by creating a mild stress response in plants. Research shows increased THC content in cannabis plants.



Product Dimensions





CONTACT US



✉ info@lumesmart.com

☎ +1- 4168876977

📍 Canada, Ontario, Richmond Hill

01

Project
Planning

02

Research
Analysis

03

Execute
Project

04

Make it
Happen

We Ensure Quality, Schedule and that We're All
Working toward Same Goal