






HL09 – Horti Sky

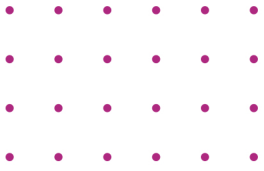
Floriculture



 **Niagara
College
Canada**

Index

	About Us	03
	What We Offer?	04
	Niagara college business & commercialization innovation centre	05
	HL09 - Horti Sky	
	➤ Introduction	06
	➤ Key Fetures	07
	➤ Product Specifications	08
	➤ Product Dimensions	09
	Contact Us	10



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

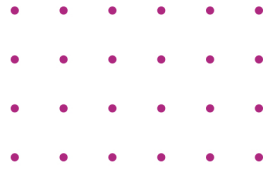


Adjustable and personalized LED lighting solutions

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

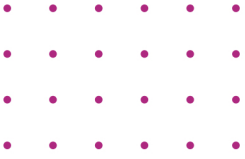


Innovative Lighting Solutions
Government Support



Professional Engineering Team
After Sale Support





HL09 – Horti Sky

Horti-Sky provides periods of reduced intensity, which allows regeneration of the photosynthetic apparatus and ensures better preparation for the efficient use of light of a higher intensity. In this way, energy management within the plant becomes more efficient



System Efficacy

2.46 $\mu\text{mol}/\text{J}$

Dimming

0~10 V Dimming

IP Rating

IP65

Certificate

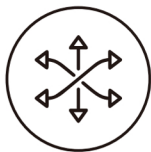
ETL, CE, RoHs



Key Features



- Up to 80% higher energy efficiency compared to HPS / MH and up to 50% in comparison to constant LED lighting
- Easy to clean with long lifespan
- IP65 rating make it withstand even the toughest growing environments



Versatile use



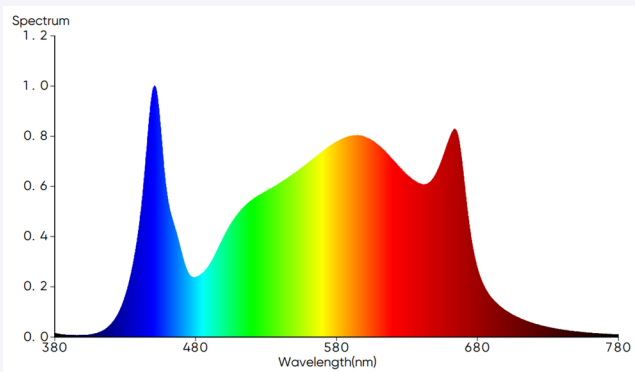
IP65





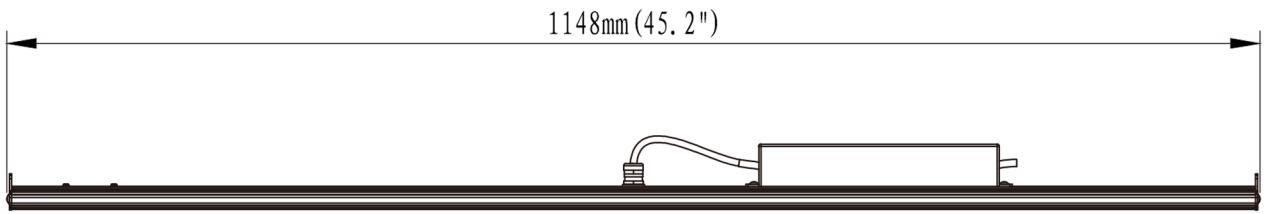
Product Specifications

Item No	HL09-150
Power	150 W
PAR Output	369 $\mu\text{mol/s}$
ePAR Output	377 $\mu\text{mol/s}$
AC Input Voltage	100-240 V AC / 100-277 V AC / 277-480 V AC, 50/60 Hz
Radiation Angle	120°
Net Weight	2.1 kg / 5.1 lbs
Gross Weight	3 kg / 6.6 lbs
Dimensions	1148 x 72 x 60 mm (45.2" x 2.83" x 2.36")

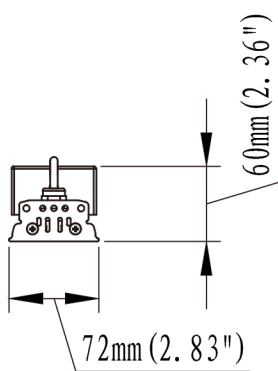


Spectrum Solution

This enhanced full spectrum produces the fastest flowering for plant species grown indoors under artificial lighting. The spectrum most closely mimics the sun and can meet the needs of both high and low DLI crops



Product Dimensions



CONTACT US



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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