






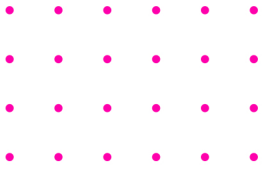
HL05 – Horti Single Tube

Horticulture



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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

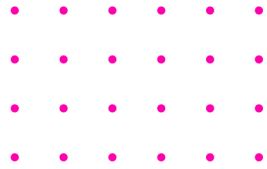


Adjustable and personalized LED lighting solutions

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

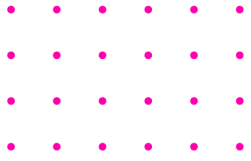


Innovative Lighting Solutions
Government Support



Professional Engineering Team
After Sale Support





HL05 – Horti SingleTube

Horti-Spec Single Tube is designed for growth rooms and chambers, tissue culture and vertical farming applications

With excellent light

uniformity when placed right above the canopy, it is ideal for vertical farming



System Efficacy

1.55 $\mu\text{mol}/\text{J}$

Dimming

0~10 V Dimming

IP Rating

IP65

Certificate

ETL, CE, RoHs



Key Features



- Daisy chain solution
- True sunlight spectrum
- Excellent heat dissipation performance
- External driver, good for reliable and maintainable performance



PC cover

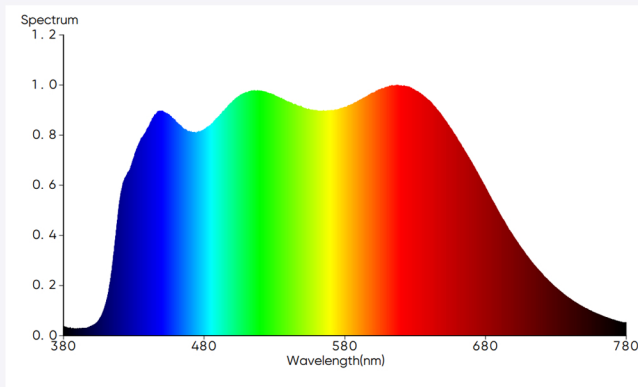


IP65



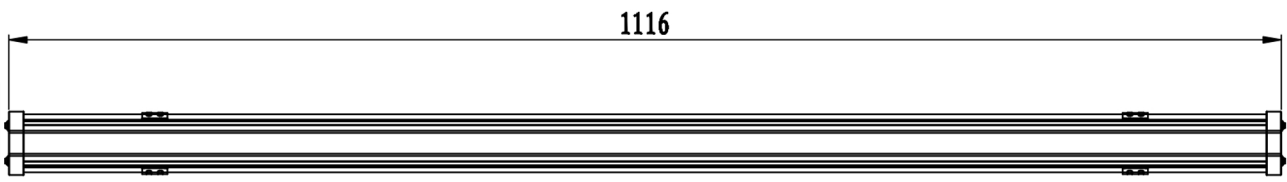
Product Specifications

Item No	HL05-40	HL05-75	HL05-90
Power	40 W	75 W	90 W
PAR Output	62 $\mu\text{mol/s}$	116 $\mu\text{mol/s}$	140 $\mu\text{mol/s}$
ePAR Output	67 $\mu\text{mol/s}$	122 $\mu\text{mol/s}$	148 $\mu\text{mol/s}$
AC Input Voltage	100-240 V AC / 100-277 V AC, 50/60 Hz		
Radiation Angle	120°		
Net Weight	0.8 kg / 1.8 lbs		
Gross Weight	6.4 kg / 14 lbs 8 pcs per carton		
Dimensions	1116 x 55.8 x 35.1 mm (43.9" x 2.2" x 1.4")		

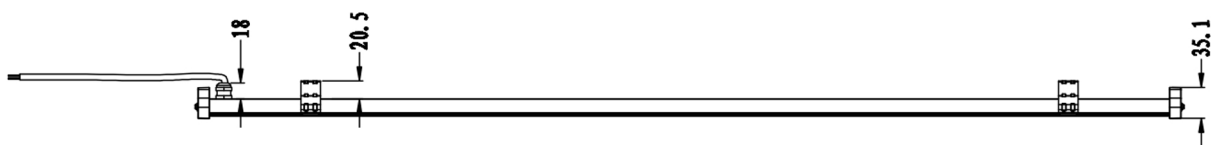
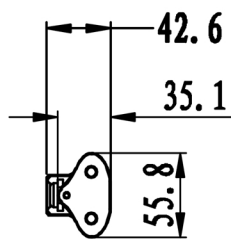


Spectrum Solution

A balanced range of wavelengths from UV to FR suitable for all growth stages. It has been tested on and is suitable for most plant species cultivated worldwide. SUNLIKE spectrum works as both sole source or supplemental light.



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