






HL16 – Horti Mars

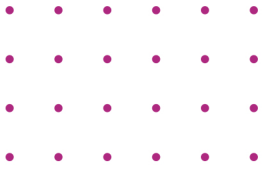
Floriculture



 **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





HL16 – Horti Mars

Horti-Mars commercial LED grow light specializes in all grow stages including propagation, vegetation and flowering. It is an ideal lighting solution for commercial cannabis growing racks

System Efficacy

2.6 $\mu\text{mol}/\text{J}$

Dimming

0~10 V Dimming

IP Rating

IP65

Certificate

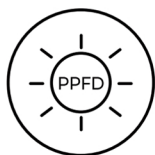
ETL, CE, RoHs



Key Features



- Slim design and foldable 180 degrees, making it small, compact and very easy to install
- Large luminous area and uniform PPFD distribution
- Super fast heat dissipation and cooling, less light decaying makes long efficiency and lifespan
- Large luminous area and uniform PPFD distribution



High PPFD



IP65

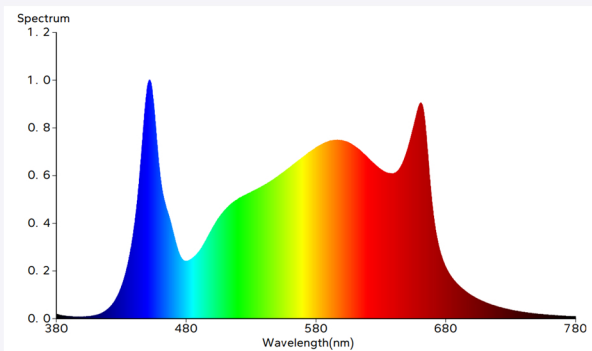


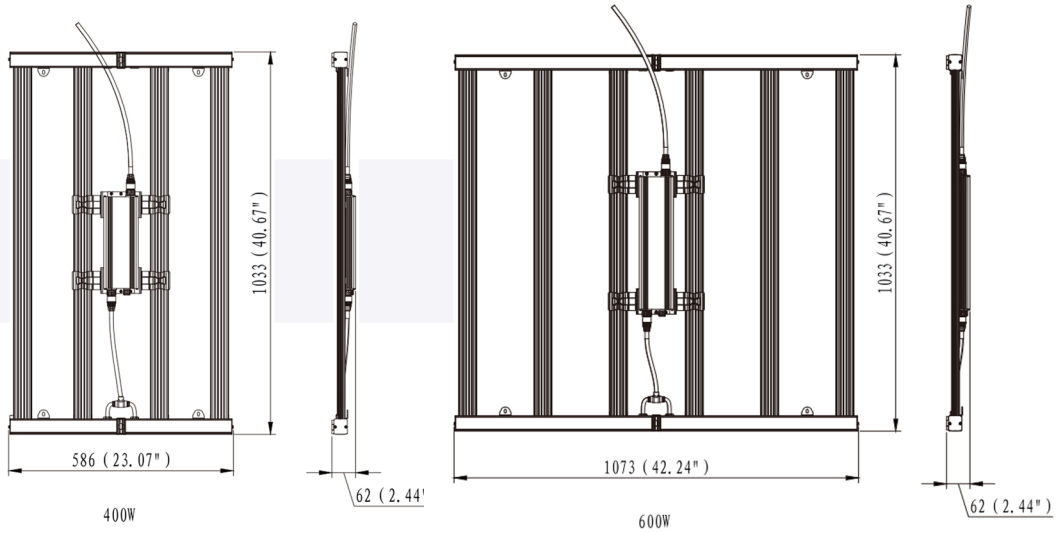
Product Specifications

Item No	HL16-400	HL16-600	HL16-800	HL16-1000
Power	400 W	600 W	800 W	1000 W
PAR Output	1033 $\mu\text{mol/s}$	1560 $\mu\text{mol/s}$	2080 $\mu\text{mol/s}$	2600 $\mu\text{mol/s}$
ePAR Output	1056 $\mu\text{mol/s}$	1584 $\mu\text{mol/s}$	2112 $\mu\text{mol/s}$	2640 $\mu\text{mol/s}$
AC Input Voltage	100-240 V AC / 100-277 V AC / 277-480 V AC, 50/60 Hz			
Radiation Angle	120°			
Net Weight	4.74 kg / 10.38 lbs	7.2 kg / 15.87 lbs	8.24 kg / 18.17 lbs	10.4 kg / 20.8 lbs
Gross Weight	6.9 kg / 15.18 lbs	10.22 kg / 22.48 lbs	11.34 kg / 24.95 lbs	13.3 kg / 26.6 lbs
Dimensions	586 x 1033 x 62 mm (23.07" x 40.67" x 2.44")	1073 x 1033 x 62 mm (42.24" x 40.67" x 2.44")	1187 x 1033 x 62 mm (46.73" x 40.67" x 2.44")	1187 x 1033 x 62 mm (46.73" x 40.67" x 2.44")

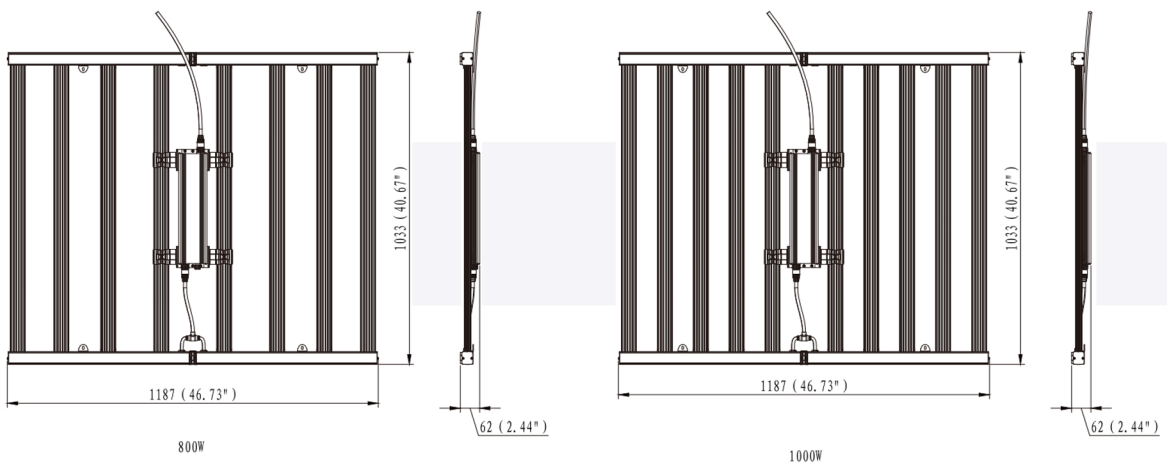
Spectrum Solution

This spectrum offers photon emission across the PAR 400-700nm continuous wavelength range, balancing energy efficiency with quality of light for desired plant response and human work environment





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