

HORTICULTURE LED PRODUCTS

Designed to not disrupt plants during dark cycles

HORTICULTURE VAPOR TIGHT

PART NUMBER

ZL-HVT-100W-GREEN

PRODUCT FEATURES



WATTAGES

40W

COLOR TEMPS

Green

WAVELENGTH

515nm

INPUT VOLTAGE

120-277V

PHOTOSYNTHETIC
PHOTON FLUX

22.24 umol/s

DIMENSION

48" x 6.77" x 4.25"

LED LIFESPAN (L70)

50,000 hours

WARRANTY

5 years

RATED

IP65

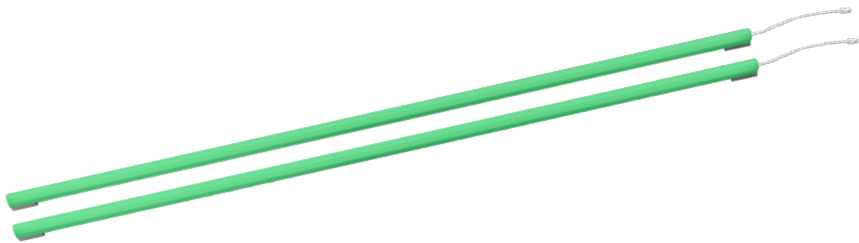
APPLICATIONS

- Fluorescent replacements
- Metal halide replacements
- Vertical farms
- Grow tents
- Supplemental growth lighting


The ZLEDLighting **Horticulture Vapor Tight** with Magnilumen Plus Green LED chips is designed for mid-level to commercial horticulture applications. Benefits include **high-efficiency, a photon flux of 22.24 umol/s, long life, instant turn on and a simple 4FT design** that can be used to maintain light and will not disrupt plants during their dark cycle.



HORTICULTURE GREEN MAGNILUMEN PLUS BOARDS

PART NUMBER	ZL-HMP-100W-GREEN	PRODUCT FEATURES	
		WATTAGES	40W
		COLOR TEMPS	Green
		WAVELENGTH	515nm
		INPUT VOLTAGE	120-277V
		LUMENS PER WATT	150 lm/w with diffuser
		DIMENSION	42.91"
		LED LIFESPAN (L70)	50,000 hours
		WARRANTY	5 years
APPLICATIONS <ul style="list-style-type: none"> • Fluorescent replacements • Metal halide replacements • Vertical farms • Grow tents • Supplemental growth lighting 	<p>Green Magnilumen Plus 4 foot bars can retrofit into any existing fixtures to utilize during dark cycles. This helps increase workers safety during maintenance and allows better monitoring of the facility.</p>		

EMERGENCY BACKUP DRIVER FOR MAGNILUMEN PLUS KIT

PART NUMBER	MRK-BEK-15W-2250L	PRODUCT FEATURES	
		BATTERY CHARGING TIME	24 hours
		EMERGENCY OPERATING TIME	1.5 hours
		INDICATOR	Comes with test switch and green indicator light
		LUMENS	150 lm/w with diffuser 180 lm/w without diffuser
		<p>We offer an Emergency Backup Driver with a 15W output and 100-277V voltage input for protection during emergencies.</p>	



Report of Spectroradiometric & Electric Analysis for Light Source

Model No.:

Sample SN:

Manufacturer:

Tested By:

Description:

Test Report No.:

Date:

Reviewed By:

Test Condition

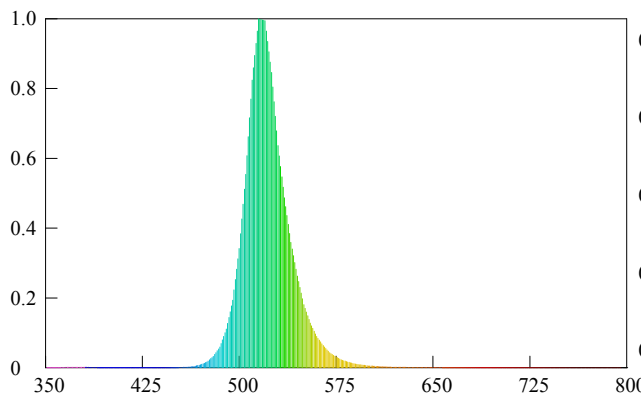
Temperature: 25°C

RH: 58%

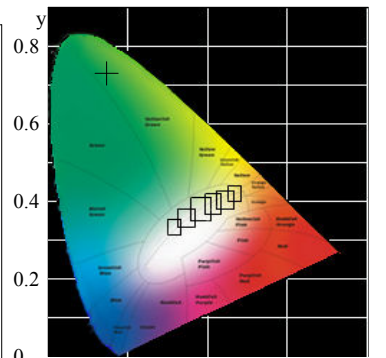
Spectrum Range: 350-800 nm

Scan Step: 5 nm

Spectroradiometric Parameters



Spectral Distribution



CIE1931 Chromaticity Diagram

Chromaticity Coordinates: $x=0.1458$ $y=0.7295$ $u'=0.0509$ $v'=0.5728$

Correlated Color Temperature: 8206 K

Dominant Wavelength: 522.0 nm(E)

Colour Fidelity Index: $R_f=0$

Gamut Index: $R_g=0$

Luminous Flux: 2283.87 lm

Purity: 0.7882

Chromaticity Difference: +0.16469Duv

Peak Wavelength: 515.0 nm

Color Ratio: $K_r=1.1\%$ $K_g=69.9\%$ $K_b=29.0\%$

Bandwidth: 26.7nm

Radiant Flux: 5.067 W

Photosynthetically Active Radiation(PAR): 5.06W

Photosynthetic Photon Flux(PPF):22.24 μ mol/s

Rendering Index: $R_a=-28.3$

$R_1=-37$ $R_2=-12$ $R_3=-30$ $R_4=-68$ $R_5=-11$ $R_6=-21$ $R_7=-13$ $R_8=-35$

$R_9=-360$ $R_{10}=-115$ $R_{11}=-97$ $R_{12}=-37$ $R_{13}=-42$ $R_{14}=36$ $R_{15}=-33$ $R_e=-58$

Electric Parameters

Voltage: 120.07 V

Current: 0.155 A

Power Factor: 0.981

Power: 18.22 W

Luminous Efficacy: 125.3 lm/W