

Horticulture LED Products

Plant-safe green LEDs are designed to emit light at a wavelength that plants are less sensitive to, making them ideal for use during the dark cycle. This means that growers can perform essential tasks—like checking on plants, watering, or making adjustments—without interrupting the plants' natural growth processes or triggering any stress responses.

Since plants primarily respond to blue and red light, they “see” very little of the green spectrum, allowing for visibility for humans while minimizing any potential impact on the plants. This capability helps maintain the integrity of the dark cycle, promoting healthier growth and development.

HORTICULTURE VAPOR TIGHT WITH MAGNILUMEN PLUSTM GREEN BARS



IP65

The ZLEDLighting **Horticulture Vapor Tight** with Magnilumen PlusTM 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.

APPLICATIONS

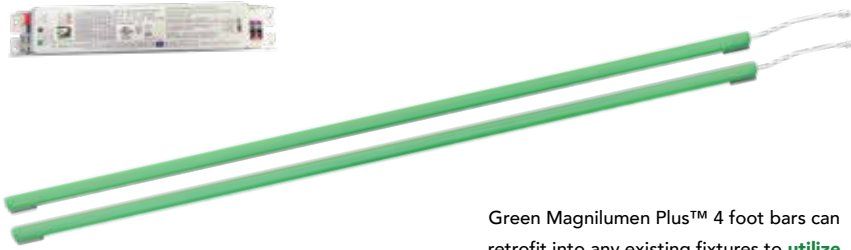
- Fluorescent replacements
- Metal halide replacements
- Vertical farms
- Grow tents
- Supplemental growth lighting

PRODUCT SPECIFICATIONS

WATTAGE	25W per bar
COLOR TEMP	520-522.5nm
EFFICACY	125 lm/W
INPUT VOLTAGE	120/277V
PHOTOSYNTHETIC PHOTON FLUX	22.24 umol/s
CRI	>80
AMBIENT TEMP	-40° to 50°C; -40° to 122°F
DIMMING	0-10V
FIXTURE DIMENSIONS	48" x 6.77" x 4.25"
LED LIFESPAN (L70)	50,000 hours
RATED	IP65
LISTED	ETL
WARRANTY	5 year
PART NUMBER	ZL-HVT-50W-GREEN



HORTICULTURE GREEN MAGNILUMEN PLUS™ BARS RETROFIT KIT



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**.



Kit includes:

- 2 - 4 ft. Magnilumen Plus™ Green Bars
- 1 - 50W Driver

APPLICATIONS

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

PRODUCT SPECIFICATIONS

WATTAGE	25W per bar at 4ft
COLOR TEMP	Green
EFFICACY	125 lm/W
INPUT VOLTAGE	120/277V
WAVELENGTH	520-522.5nm
CRI	>80
AMBIENT TEMP	-40° to 50°C; -40° to 122°F
DIMMING	0-10V
BAR MEASUREMENTS	4 = 4 feet (42.91 inches)
LED LIFESPAN (L70)	50,000 hours
RATED	IP20
LISTED	ETL
WARRANTY	5 year
PART NUMBER	ZL-HMP-2440-GREEN-PLUS

OPTIONAL EMERGENCY BACKUP DRIVER FOR MAGNILUMEN PLUS KIT



Test Light



Driver Not Included

External Li-ion battery-14.8V/2000mAH



15W or 20W
Emergency Driver



LUMENS:

	15W	20W
150 lm/W with Frosted Lens	2,250	3,000
170 lm/W with Clear Lens	2,550	3,400
180 lm/W with No Lens	2,700	3,600

PRODUCT SPECIFICATIONS

WATTAGE	15W, 20W
INPUT VOLTAGE	120/277VAC, 50/60Hz
AC INPUT CURRENT	10mA max
AC INPUT POWER RATING	7.0W max
OUTPUT CURRENT AND VOLTAGE	310-600mA 25-48VDC
BATTERY	Li-ion battery- 14.8V/2000mAH
BATTERY CHARGING CURRENT	250mA
BATTERY CHARGING TIME	24 hours
AMBIENT TEMP	32 to 104F
EMERGENCY TIME	1.5 hours
TEST SWITCH INDICATOR LIGHT	Illuminated Test Switch, Indicator Light
INSTALLATION	Plug and Play
RATED	Title 20
LISTED	UL
WARRANTY	5 year
PART NUMBER	15W: BL-EMRG-LED-15-1H 20W: BL-EMRG-LED-20-1H

Can be added to either Vapor Tight Fixture
or Magnilumen Retrofit Kit

