

GROW

# BEYOND

# PAR ASCEND LED GROW LIGHT SYSTEMS™

Rise to the top with the new **Ascend Series LED Grow Light Systems** from EYE HORTILUX. Our powerful LED spectrum provides energy outside the PAR range to include ultraviolet (UV) and far-red, promoting stronger plant growth with heavier flowers.

## BENEFITS OF UV

Increases resin production • Improves taste and smell  
Causes more branching and less stretching • Increases root mass

## BENEFITS OF FAR RED

Increases plant biomass • Triggers flowering  
Enhances flower size • Improves efficiency of overall spectrum



### BEYOND PAR SPECTRUM

Full spectrum including energy in UV and far-red to enhance plant development and spectrum efficiency



### UNIFORM DISTRIBUTION

Utilizes wide distribution LEDs to disperse colors uniformly over the coverage area



### LONG LIFE

Robust thermal and electrical design allows LEDs to run cooler and retain 90% of output beyond 36,000 hrs



### RUGGED DESIGN

Rigid frame provides consistent positioning of LED boards for maximum uniformity



### DIMMING CAPABILITY

Ability to ease plant transition from veg to flower stages



### CONFORMAL COATING

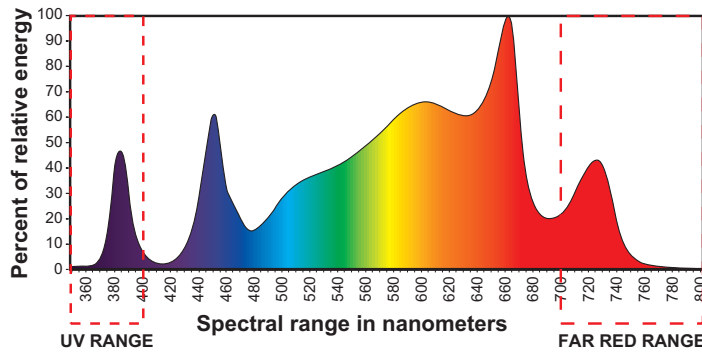
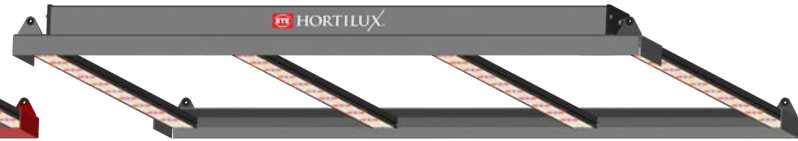
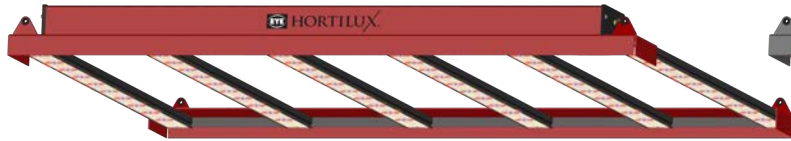
Protects LEDs from dust and water with no optical loss and allows for easy clean-up

# LED 700-ES

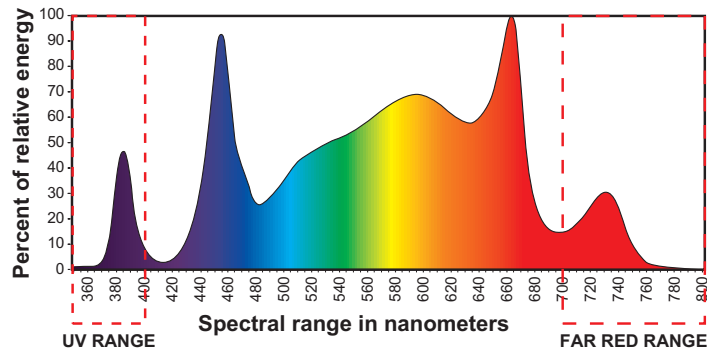
GROW LIGHT SYSTEM

# LED 450-EVS

GROW LIGHT SYSTEM



16% SPECTRAL ENERGY IN UV + FAR RED



12% SPECTRAL ENERGY IN UV + FAR RED

## FIXTURE PERFORMANCE

<b>MSRP</b>	\$1469.95					\$1079.95				
<b>Wattage</b>	700W					450W				
<b>Input Voltage</b>	120V	240V	277V	347V	480V	120V	240V	277V	347V	480V
<b>Amperage</b>	5.8A	2.9A	2.5A	2A	1.5A	3.8A	1.9A	1.6A	1.3A	1A
<b>Power Cord</b>	12 ft. pigtail					12 ft. pigtail				
<b>Weight</b>	35 lbs.					30 lbs.				
<b>PPF* (400-700 nm)</b>	1350 $\mu\text{mol}/\text{sec}$					930 $\mu\text{mol}/\text{sec}$				
<b>PBF* (375-800 nm)</b>	1615 $\mu\text{mol}/\text{sec}$					1060 $\mu\text{mol}/\text{sec}$				
<b>PPF Efficacy</b>	1.9 $\mu\text{mol}/\text{J}$					2.1 $\mu\text{mol}/\text{J}$				
<b>PBF Efficacy</b>	2.3 $\mu\text{mol}/\text{J}$					2.4 $\mu\text{mol}/\text{J}$				
<b>PPFD Average* (400-700 nm)</b>	710 $\mu\text{mol}/\text{m}^2\text{-sec}$					455 $\mu\text{mol}/\text{m}^2\text{-sec}$				
<b>PBFD Average* (375-800 nm)</b>	845 $\mu\text{mol}/\text{m}^2\text{-sec}$					525 $\mu\text{mol}/\text{m}^2\text{-sec}$				
<b>Light Uniformity – max/min</b>	3.4/1					3.0/1				
<b>Light Uniformity – avg/min</b>	2.2/1					2.1/1				

## OPTIMAL SETUP RECOMMENDATION\*

<b>Coverage Area</b>	4 ft. x 4 ft.	4 ft. x 4 ft.
<b>Height Above Canopy</b>	18 in.	18 in.
<b>Distance between fixtures**</b>	12 in.	12 in.

\*UV and Far Red are not counted in PPF or PPFD measurements. PPFD and PBFD measurements were taken in a 10ft x 10ft room with average reflective material at the optimal setup recommendation. PPFD and PBFD in actual applications will vary. | \*\*The distance between fixtures should be measured from the edge of the system. | Plug end power cord available for purchase on 120V, 240V and 277V. | 347V and 480V are MTO.

**To request a customized lighting layout for your space,  
contact EYE HORTILUX: 877-905-2562**