

# GROW BEYOND PAR

ASCEND LED  
GROW LIGHT  
SYSTEMS®



Rise to the top with the new **Ascend 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

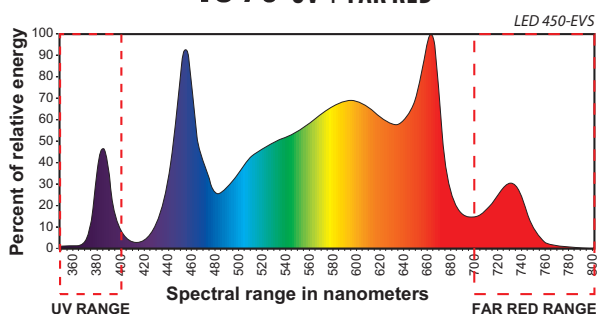
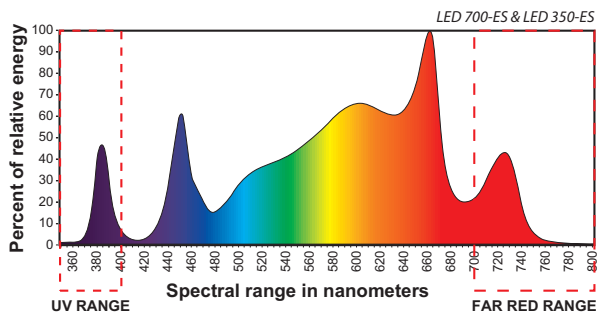
Ability to ease plant transition from veg to flower stages



### CONFORMAL COATING

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

# ASCEND LED GROW LIGHT SYSTEMS®



<b>MSRP</b>	\$1099.95					\$899.95					\$699.95		
<b>Wattage</b>	700W					450W					350W		
<b>Input Voltage</b>	120V	240V	277V	347V	480V	120V	240V	277V	347V	480V	120V	240V	277V
<b>Amperage</b>	5.8A	2.9A	2.5A	2A	1.5A	3.8A	1.9A	1.6A	1.3A	1A	2.9A	1.6A	1.3A
<b>Power Cord<sup>+</sup></b>	12 ft.					12 ft.					12 ft.		
<b>Weight</b>	42 lbs.					35 lbs.					25 lbs.		
<b>Dimensions – L x W x H in. (mm)</b>	44.8 x 44 x 3.9 (1143 x 1118 x 99)					44.8 x 44 x 3.9 (1143 x 1118 x 99)					24 x 44 x 3.9 (610 x 1118 x 99)		
<b>Dimming</b>	Yes (with controller or knob)					Yes (with controller or knob)					Yes (with knob)		
<b>Controllable</b>	Yes (controller sold separately)					Yes (controller sold separately)					No		
<b>PPF* (400-700 nm)</b>	1350 µmol/sec					930 µmol/sec					675 µmol/sec		
<b>PBF* (375-800 nm)</b>	1615 µmol/sec					1060 µmol/sec					800 µmol/sec		
<b>PPF Efficacy</b>	1.9 µmol/J					2.1 µmol/J					1.9 µmol/J		
<b>PBF Efficacy</b>	2.3 µmol/J					2.4 µmol/J					2.3 µmol/J		
<b>PPFD Average* (400-700 nm)</b>	795 µmol/m <sup>2</sup> -sec					455 µmol/m <sup>2</sup> -sec					340 µmol/m <sup>2</sup> -sec		
<b>PBFD Average* (375-800 nm)</b>	945 µmol/m <sup>2</sup> -sec					525 µmol/m <sup>2</sup> -sec					400 µmol/m <sup>2</sup> -sec		
<b>Light Uniformity – max/min</b>	3.4/1					3.0/1					3.4/1		
<b>Light Uniformity – avg/min</b>	2.2/1					2.1/1					2.2/1		

## OPTIMAL SETUP RECOMMENDATION\*

<b>Coverage Area</b>	4 ft. x 4 ft.	4 ft. x 4 ft.	3 ft. x 4 ft.
<b>Height Above Canopy</b>	18 in.	18 in.	18 in.
<b>Distance between fixtures**</b>	8 in.	8 in.	8 in.

<sup>+</sup>Plug end power cord comes with 120V & 240V. Other voltages come with pigtails. | \*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. | 347V and 480V are MTO.

**EYE Lighting International of North America, Inc.**  
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