

LOPRO ELITE MODULAR LED GROW LIGHT



400-600W LED
(4x100-6x100W)



600-1000W HPS
REPLACEMENT



Lightweight & Low Profile Design

At just 2.9 lbs and 1.18" high, the luminaire's ultra-slim design allows it to fit in vertical racking systems with minimal clearance.



Custom Configurations

Modular bar light design, built-in daisy chain ports and driver options give growers full control to customize grow racks based on plant type and DLI requirements.



IP65 Rated

IP65 rated components protect the fixture from dust and water exposure commonly encountered in most CEA applications.



High Efficacy & Dimmable

Premium chipsets and proprietary optics create efficient and uniform light coverage. Compatible with the Active Grow Plant Lighting Smart Controller and 0-10V dimmers.



Versatile Installation Options

Choose from surface-mounted clips, Y-hangers or end-mounted plates to easily install the luminaire in most standard racking systems.



SafeShield Optic & Extra-Long Lifetime

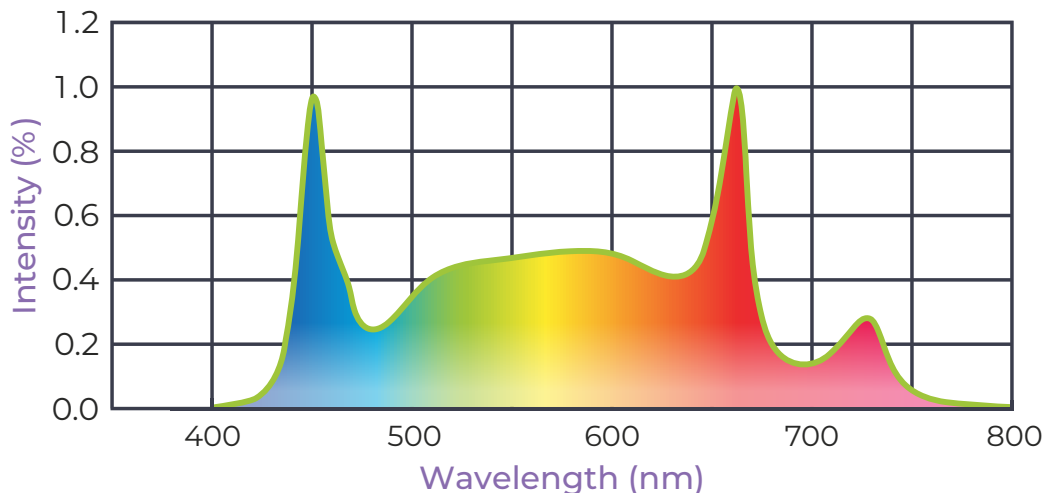
SafeShield proprietary optics create a thermal buffer to protect LED diodes from overheating, guaranteeing a 50,000-hour lifetime.

Active Grow Entourage Spectrum Formula

PBAR Range (280-800 nm)

Plant Biologically Active Radiation

UV 280-400 nm	Blue 400-500 nm	Green 500-600 nm	Red 600-700 nm	Far-Red 700-750 nm	Infrared 750-800 nm
0%	23%	35%	35%	7%	0%



Blue 400-500 nm

Improves overall plant health and quality including taste, aroma, color and nutrition. Helps promote plant compactness and root development.

Green 500-600 nm

Increases overall plant photosynthetic efficiency and penetrates the canopy to encourage growth of lower leaves. Makes detecting issues like pests and disease on plants easier to see.

Red 600-700 nm

Promotes plant photosynthesis and increased biomass. Essential for leaf expansion and stem growth. Helps regulate plant flowering, photoperiod and germination.

Far-Red 700-750 nm

Promotes expansion and stretching of leaves and stems. Penetrates the canopy to encourage growth of lower leaves. When used with 660-680 nm wavelengths, plant photosynthesis rates increase via the Emerson effect.

LOPRO ELITE MODULAR LED GROW LIGHT



SPECIFICATIONS		100W LOPRO ELITE MODULAR LED GROW LIGHT
Model number	AG/100LPE/ES/277V	
Power	100 watts	
Input voltage	120-277V 50-60Hz	
Amperage	120V (0.92A) / 240V (0.45A) / 277V (0.38A)	
Rated power factor	>0.95	
PPF output (400-700 nm)	250 $\mu\text{mol/s}$	
PBAR output (280-800 nm)	268 $\mu\text{mol/s}$	
PPF efficacy	2.50 $\mu\text{mol/J}$	
PBAR efficacy	2.70 $\mu\text{mol/J}$	
Spectrum	Entourage Spectrum	
CRI	94 (typical)	
Dimensions	44.17"x2.13"x1.18" (1122x54x30mm)	
Weight	2.9 lbs (1.3 kg)	
Mounting height	6-36" (152-914mm)	
Dimmable	0-10V	
IP rating	IP65	
Lifetime	50,000 hours	
Warranty	5 years	
Certifications	ETL (pending), DLC (pending)	
Optional accessories	320/480/600W driver, installation hardware, 8.2' 120/240/277V NEMA power cord, 1' daisy chain cable, 0-10V dimming cable	

AG-LPE-100-ES-DS-041724