

LOPRO MAX 3.0 LED GROW LIGHT



650W LED



1000W HPS
REPLACEMENT



Lightweight & Low Profile

Lightweight HPS replacement with concealed drivers and low profile (2.56") allows the fixture to fit in vertical racking systems with minimal clearance.



Sun White Pro + Spectrum

Ideal for growing plants from start to finish with increased blue light for tighter internodal spacing and higher terpene content as well as balanced red light for healthy flowering rates.



IP66 Rated

IP66 rated components protect the fixture from dust and water exposure commonly encountered in most CEA applications.



High PBAR Output & Efficacy

Over 1950 PPF output with a photon efficacy of 3.1 $\mu\text{mol}/\text{J}$. 3312 chips per fixture guarantees uniformity, deep canopy penetration and longevity.



0-10V Dimmable

Compatible with standard 0-10V horticulture lighting control systems. Dim fixtures individually using a manual dimmer or dim multiple fixtures using a smart controller.



Extra-Long Lifetime & Guarantee

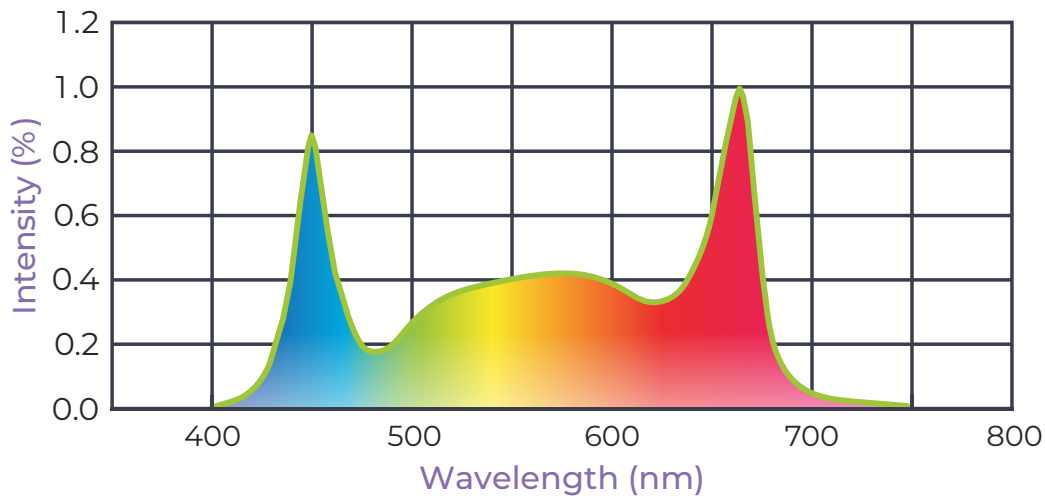
Features an exceptional 50,000-hour lifetime and a 5-year warranty.

Active Grow Sun White Pro + 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%	18%	35%	45%	2%	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.

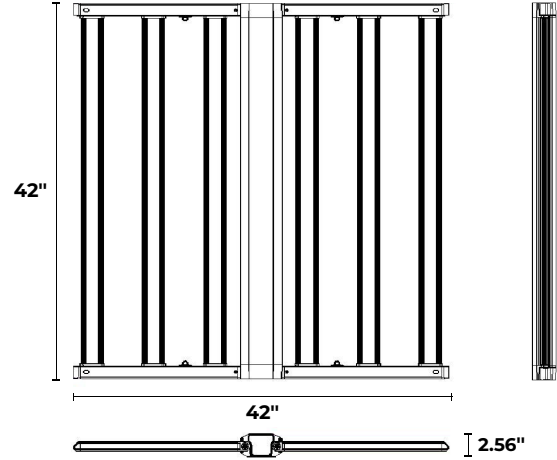
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Target PPFD & DLI*

Product Dimensions

Plant Type	Target PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$)	Hours/Day	Avg. DLI ($\text{mol}/\text{m}^2/\text{day}$)
Seedlings/Cuttings	50-100	18	3-6
Microgreens	100-200	18	6-12
Leafy Greens	200-250	18	12-16
Vegetative Growth	250-450	18	16-26
Flowers/Fruits	250-500	18	16-32
Cannabis Flower	500-1000+	12	22-43



SPECIFICATIONS		650W LOPRO MAX 3.0 LED GROW LIGHT
Model number		AG/650LPM3/FS/480V
Power		650 watts
Input voltage		208-480V 50-60Hz
Amperage		208V (3.1A) / 240V (2.7A) / 277V (2.3A) / 480V (1.4A)
Rated power factor		>0.95
PPF output (400-700 nm)		1936 $\mu\text{mol}/\text{s}$
PBAR output (280-800 nm)		1969 $\mu\text{mol}/\text{s}$
PPF efficacy (400-700 nm)		3.06 $\mu\text{mol}/\text{J}$
PBAR efficacy (280-800 nm)		3.11 $\mu\text{mol}/\text{J}$
Spectrum		Sun White Pro + Spectrum
CRI		94
Dimensions (l x w x h)		42"x42"x2.56" (1067x1067x65mm)
Weight		26.46 lbs (12 kg)
Mounting height		6-36" (152-914mm)
Dimmable		0-10V hardwire / Smart controller
Daisy chainable power		Yes (MTO)
Daisy chainable dimming		Yes
Smart controller compatible		Yes
IP rating		IP66
Max ambient temp.		113°F / 45°C
Heat load		2213 BTU/hr
THD		<10%
Lifetime		50,000 hours
Warranty		5 years
Certifications		ETL, DLC
Accessories included		2 Y-hangers, 8.2' (2.5m) 480V power cord with pigtails, 0-10V dimming cable

* Target DLI information is for general reference using given photoperiods. For optimal target data, always look into specific requirements for each plant species.