

SG HO GREENHOUSE LED GROW LIGHT



720W LED



1000W HPS

REPLACEMENT



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.



Streamlined Design

The remote mounted driver and slim form factor minimize the shadow cast on the plant canopy, allowing for more efficient light penetration and distribution.



High PBAR Output & Efficacy

Ideal for use in commercial greenhouses, CEA environments and hydroponic applications where boosting DLI is critical for target growth requirements.



0-10V Dimmable

Easy to use 0-10V dimming compatible with standard horticulture lighting control systems. Group control systems available upon request.



SafeShield Optic & Extra-Long Lifetime

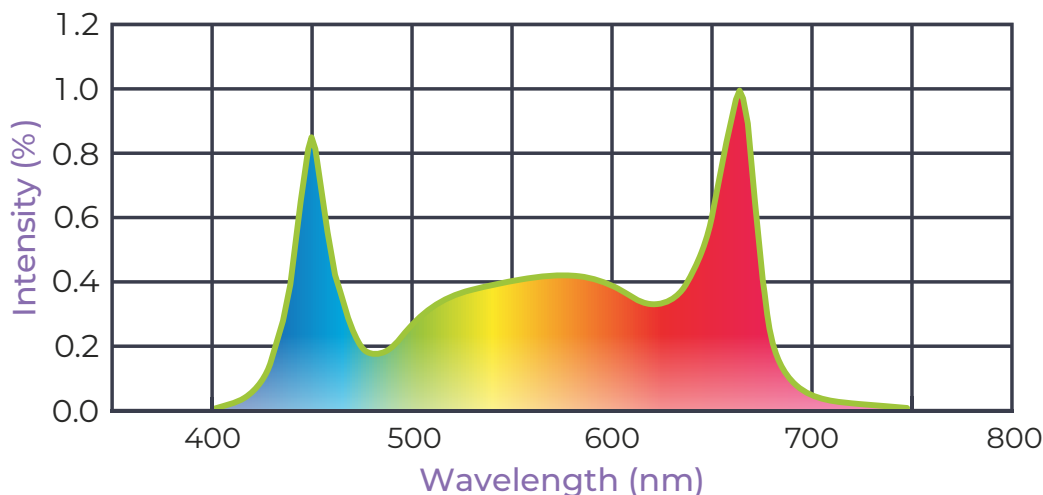
SafeShield proprietary optics create a thermal buffer to protect LED diodes from overheating, guaranteeing a 50,000-hour lifetime.

Active Grow 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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SPECIFICATIONS*		720W SG HO GREENHOUSE LED GROW LIGHT
Model number	AC/SG720/HO/FS/277V	
Power	720 watts	
Input voltage	120-277V 50-60Hz	
Amperage	120V (6.0A) / 240V (3.0A) / 277V (2.6A)	
Rated power factor	>0.95	
PBAR output (280-800 nm)	2056 µmol/s	
PBAR efficacy (280-800 nm)	2.86 µmol/J	
Spectrum	Sun White Pro + Spectrum	
CRI	92 (typical)	
Dimensions (l x w x h)	42.91"x3.72"x4.13" (1090x95x105mm)	
Weight	21.4 lbs (9.7 kg)	
Dimmable	0-10V	
Daisy chainable power	Yes (MTO)	
Daisy chainable dimming	Yes	
Smart controller compatible	Yes	
IP rating	IP66	
Heat load	2457 BTU/hr	
THD	<20%	
Lifetime	50,000 hours	
Warranty	5 years	
Certifications	ETL (pending), DLC (pending)	
Optional accessories	Unistrut installation hardware, 120/240/277V NEMA power cord, daisy chain cable, 0-10V dimming cable, Plant Lighting Smart Controller (PLSC)	

* Specification data is preliminary and may be subject to change.

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