

# SG HO DE GREENHOUSE LED GROW LIGHT



**720W LED**



**1000W HPS**  
REPLACEMENT



## Low-Voltage & Driverless Design

Designed for use with DE and Power over Ethernet systems from VoltServer and Advanced Energy for improved safety, convenience and efficiency.



## 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

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



## Streamlined Design

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



## SafeShield Optic & Extra-Long Lifetime

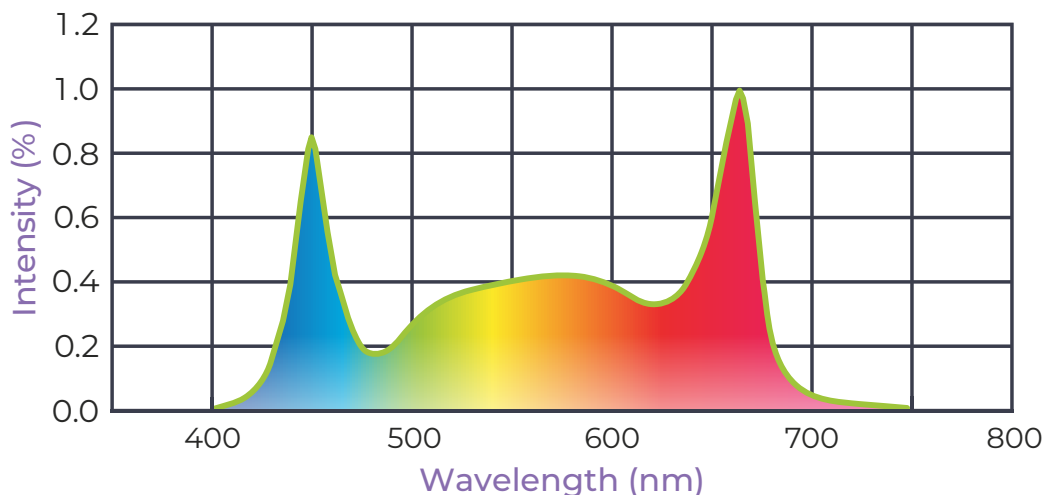
SafeShield proprietary optics create a thermal buffer to protect LED diodes from overheating, guaranteeing a 50,000-hour lifetime.

## Active Grow Sun White Pro + Spectrum Formula

### PBAR Range (280-800 nm)

Plant Biologically Active Radiation

| UV<br>280-400 nm | Blue<br>400-500 nm | Green<br>500-600 nm | Red<br>600-700 nm | Far-Red<br>700-750 nm | Infrared<br>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.

# SG HO DE GREENHOUSE LED GROW LIGHT



| SPECIFICATIONS*             |  | 720W SG HO DE GREENHOUSE LED GROW LIGHT |  |
|-----------------------------|--|---|--|
| Model number                | AC/SG720/HO/DE/FS/325V   |   |  |
| Power                       | 720 watts  |   |  |
| Input voltage               | DE / PoE   |   |  |
| Amperage                    | DC 325V (2.2A)   |   |  |
| 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                      | 12.9 lbs (5.9 kg)  |   |  |
| Dimmable                    | Yes  |   |  |
| Daisy chainable power       | Yes  |   |  |
| 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, dimming cable |   |  |

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

AG-SG720-HO-DE-FS-DS-030124