

SG HO GREENHOUSE LED GROW LIGHT



800W LED



1000W HPS
REPLACEMENT

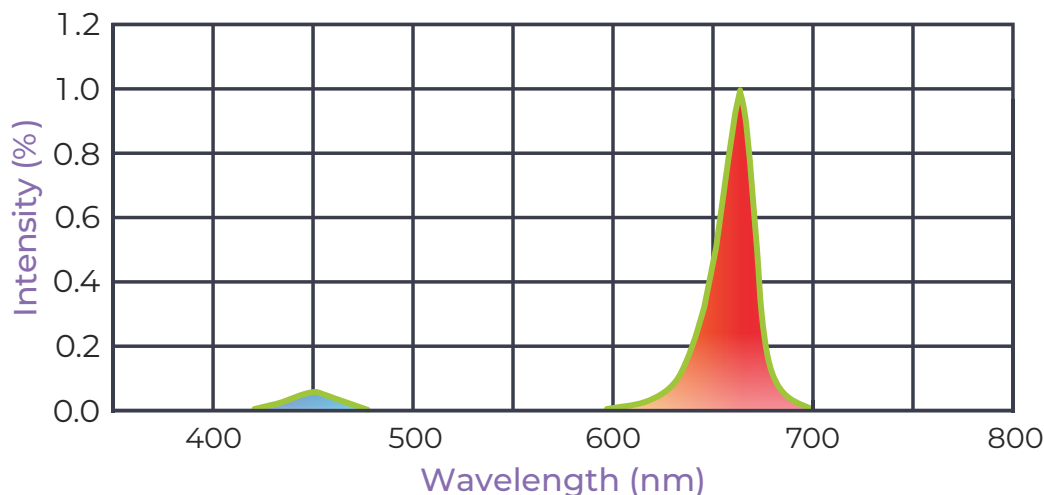
- 1:1 HPS Direct Replacement**
Directly replaces 1000W HPS fixtures with a 1:1 footprint, allowing growers to seamlessly upgrade existing HPS installations to LED with 25% energy savings.
- Red Boost Spectrum**
Dedicated heavy red and light blue wavelengths efficiently boost healthy vegetative and flowering stages by speeding up chlorophyll absorption rates to create faster growth cycles.
- IP66 Rated**
IP66 rated components protect the fixture from dust and water exposure commonly encountered in most CEA applications.

- MAX OUTPUT High PBAR Output & Efficacy**
Ideal for use in commercial greenhouses, CEA environments and hydroponic applications where boosting DLI is critical for target growth requirements.
- DIM 0-10V 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 Red Boost 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% | 3% | 0% | 97% | 0% | 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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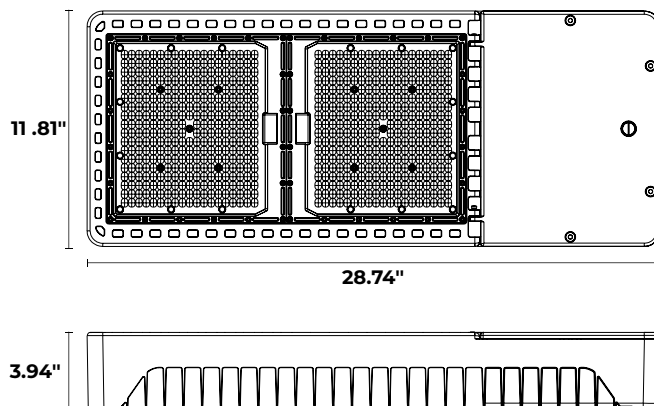


Product Installation



The 800W SG HO Greenhouse LED Grow Light installs easily into standard ceiling applications using included hanging hooks.

Product Dimensions



| SPECIFICATIONS* | | 800W SG HO GREENHOUSE LED GROW LIGHT |
|-----------------------------|--|--------------------------------------------------------------------------------------------------------------------------|
| Model number | | AG/SG800/HO/RB/277V |
| Power | | 800 watts |
| Input voltage | | 120-277V 50-60Hz |
| Amperage | | 120V (6.86A) / 240V (3.43A) / 277V (2.97A) |
| Rated power factor | | >0.95 |
| PBAR output (280-800 nm) | | 2760 $\mu\text{mol/s}$ |
| PBAR efficacy | | 3.45 $\mu\text{mol/J}$ |
| Spectrum | | Red Boost Spectrum |
| CRI | | NA |
| Dimensions (l x w x h) | | 28.74"x11.8"x3.94" (730x300x100mm) |
| Weight | | 37.84 lbs (17.16 kg) |
| Dimmable | | 0-10V |
| Daisy chainable power | | Yes (MTO) |
| Daisy chainable dimming | | Yes |
| Smart controller compatible | | Yes |
| IP rating | | IP66 |
| Heat load | | 2730 BTU/hr |
| THD | | <20% |
| Lifetime | | 50,000 hours |
| Warranty | | 5 years |
| Certifications | | ETL (pending), DLC (pending) |
| Included accessories | | 240V NEMA power cord, 120V plug adapter, 2 hanging hooks, safety wire with clip, waterproof port covers, RJ45 data cable |
| Optional accessories | | 120/277V NEMA power cord, power daisy chain cable, dimming daisy chain cable, 0-10V dimming cable, smart controller |

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

AG-SG800-HO-RB-DS - 042224