

SG300 LED HORTICULTURAL LUMINAIRE



SWEET GRASS SERIES 300W LED HORTICULTURAL LUMINAIRE

The Active Grow SG300 LED Horticultural Luminaire is engineered to help you grow better and save energy. The SG300 features a solid-state design with passive cooling heatsink and waterproof components. The SG300 is suitable for use in a wide range of commercial growing applications; including greenhouses, CEA environments, home grows, deep shelves and multi-tier racking systems. The SG300 is certified with the ETL Horticultural Lighting Certification Program allowing it to receive large energy utility rebates.



1=600W HPS/HID
REPLACEMENT



2=1000W HPS/HID
REPLACEMENT



Energy Saving

The SG300 uses 50% less energy than HPS and MH lamps and does not require a ballast. For example, one SG300 fixture saves over \$215 in energy costs per year versus a standard 600W HPS lamp. Two SG300 fixtures are equivalent to a 1000W HPS lamp and saves over \$289 in energy costs per year.*



Efficient PPF & Uniform PPF Output

Features a PPF output of 900 $\mu\text{mol/s}$ and a photon electrical efficacy of 3 $\mu\text{mol/J}$. Proprietary ultra-transparent optics ensures deep canopy penetration and superior light uniformity



Active Spectrum™

The 370-730 nm Active Spectrum™ activates every stage of the plants' development, from the early vegetative to the flowering stage. The overall lighting structure was formulated specifically to promote A and B chlorophylls as well as essential carotenoids.



Extra Long Lifetime

The solid-state SG300 uses no moving parts and only high-end components allowing for a 70,000 hour lifetime.



Passive Cooling Heatsink

All aluminum heatsink and passive cooling system helps keep lamp and your growing space cool while maintaining efficient light output over the course of the fixture's lifetime.



Waterproof

IP65 wet location rated for use in wet and humid locations like greenhouses and growth chambers.



Dual Installation

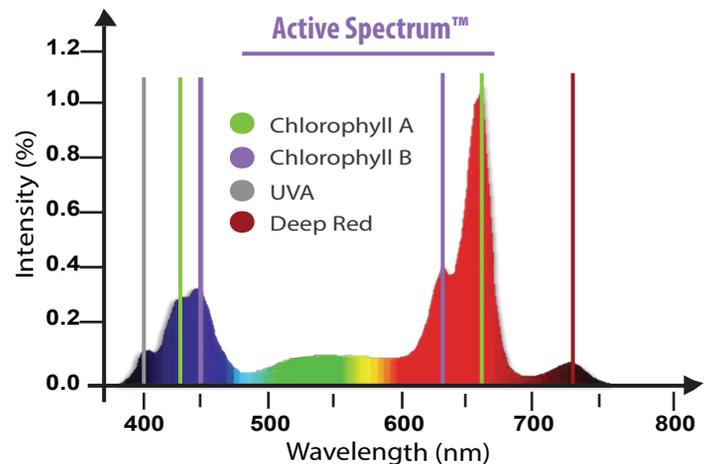
Includes angle adjustable mounting panels for screw-in installation method. Also Includes (2) 24" cable hangers for hanging installation method.



SPECIFICATIONS

Model number	AG/SG300/277V/DIM/AS/MB
Power	300 watts
Power input	Integrated 120-277 VAC driver
PPF output ($\mu\text{mol/s}$)	900
Photon electrical efficacy ($\mu\text{mol/J}$)	3
Rated power factor	>95%
Dimensions (l x w x h)	32.56" x 9.02" x 6.69" (827mm x 22mm x 170mm)
Weight	20.72lb (9.4kg)
Dimmable	Yes (0-10V)
Wet location rated	Yes (IP65)
Lifetime	70,000 hours
Warranty	5 years

*Based on 16 hours a day over one year at \$0.11 per kWh



AG-SG300-277V-DIM-AS-MB-012818

