

MH BALLAST

SolarMAX

VEGETATIVE

SolarMax Vegetative lamps deliver 30% more “nutritious” light radiation than standard lamps. The result - more vigorous, vegetative growth and stronger roots during the important early stages of a plant’s development. SolarMax Metal Halide lamps are specifically designed to deliver “Blue Light” frequency in the PAR range to your plants - unlike conventional MH lamps usually sold for plant growth.



SolarMAX

GOLD ALL PHASE

SOLARMAX Gold All Phase High Output MH lamps are similar to a 3000 deg. Kelvin light source, these lamps are excellent for fruiting / flowering applications and because they are metal halides lamps they have enough full spectrum energy for all a plants needs from 380 to 760 nanometers.

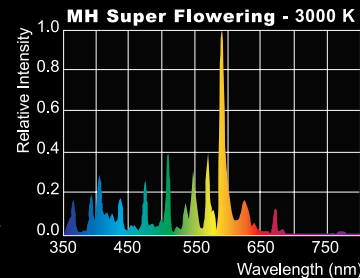
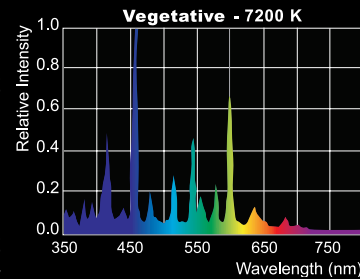
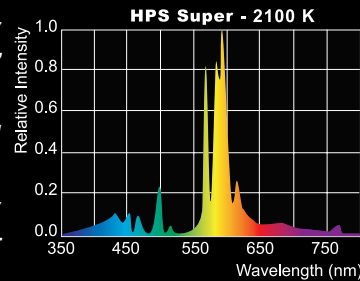


Lamps Tuned For Plants!

In all stages of plant growth, plants need spectral energy (light) between 400 nm - 700 nm. This is technically known as “Photosynthetically Active Radiation” or “PAR”. These combined spectral distributions provide all the light energy needed for your plants.

In younger plants it is the region between 380 - 520 nm that is most crucial. This region is commonly referred to as “Blue Light”. A maturing plant has dramatically different needs than a younger plant.

SOLARMAX Gold All Phase High Output MH lamps are designed to produce significantly more orange / red wavelength than other halides.



For Stronger, Bigger, & Healthier Plants!

Product	Ballast	Lamp Jacket	Overall Length	Color Temp Deg. K	Lumens	Life Hours
VEGETATIVE HIGH OUTPUT TUBULAR METAL HALIDE LAMPS						
MHT 400W Veg. Lamp	MH Ballast M59	T15	271 mm 10.7"	7200	32,000	15,000
MHT 1000W Veg. Lamp	MH Ballast M47	T25	280 mm 11.2"	7200	85,000	9,000
ALL PHASE HIGH OUTPUT TUBULAR METAL HALIDE LAMPS						
MHT 400W All Phase	MH Ballast M59	T15	271 mm 10.7"	3000	36,000	15,000
MHT 1000W All Phase	MH Ballast M47	T25	280 mm 11.2"	3000	100,000	12,000

All SolarMax lamps are manufactured in Germany by an ISO certified factory with over 40 years experience in HPS and MH lamp technology, ensuring high quality and optimized performance. SOLARMAX grow lamps are designed with the grower in mind.

Reduced lamp sizes fit most horticultural lighting fixtures. Custom tailored spectral distributions ensure the HIGHEST OUTPUT. All lamps carry a full one (1) year warranty.

SolarMAX

FLOWERING

As plants approach maturity they require less “Blue Light” and depend more upon radiation from the “Red” portion of the spectrum between 610 nm - 720 nm. Now is the time to utilize the superior “Red Light” output of the SolarMax HPS lamp. The SolarMax HPS lamps have been engineered to constantly deliver 10% more targeted “Red Light” energy to the maturing plant to promote aggressive flowering.



SOLARMAX lamps have reduced size jackets to fit most of today’s compact, super efficient reflectors. For stronger, bigger and healthier plants the SOLARMAX Vegetative and Flowering HPS lamps have been designed with the grower in mind.



HPS BALLAST

Product	Ballast	Lamp Jacket	Overall Length	Color Temp Deg. K	Lumens	Life Hours
FLOWERING HIGH OUTPUT TUBULAR HPS LAMPS						
HPST 400W Super	HPS Ballast S51	T15	275 mm 10.8"	2100	55,000	24,000
HPST 600W Super	HPS Ballast S106	T15	280 mm 11.2"	2100	95,000	24,000
HPST 1000W Super	HPS Ballast S52	T23	390 mm 15.6"	2100	147,000	24,000
VEG CONVERSION HIGH OUTPUT TUBULAR METAL HALIDE LAMPS						
MHT 400W Veg/Conversion	HPS Ballast S51	T15	271 mm 10.7"	7200	32,000	15,000
MHT 600W Veg/Conversion	HPS Ballast S106	T25	280 mm 11.2"	7200	55,000	9,000
MHT 1000W Veg/Conversion	HPS Ballast S52	T25	280 mm 11.2"	7200	90,000	9,000

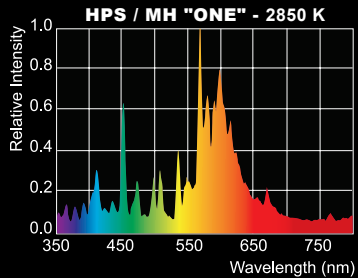
▼Operates on a 1000W HPS ballast.



2 ARC TUBES IN ONE (1) LAMP

Everything You Need In "ONE" Lamp

ONE lamp with two simultaneously operating arc tubes that are optimized for peak performance. SOLARMAX ONE, the best of both technologies



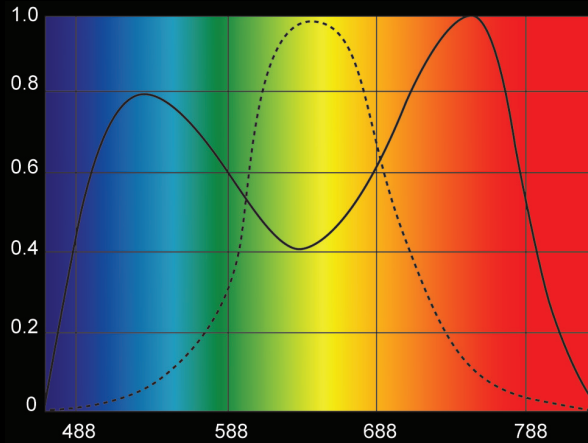
HPS1000w Lamp
Lamp manufacturer's have pursued the ideal spectral output for plant growth for years. The biggest advancements made in HID sources for plant growth was to enhance the inherent deficiencies of either

HPS (not enough blue) or MH (not enough orange / red). While these specialized lamps are much better than standard "commodity" lamps, the fact is that neither technology can be altered enough to be truly optimum for plant growth. Most light sources are designed to illuminate areas for visual tasks for humans. Plant growth required a broad spectrum of light energy to initiate complex reactions. The SOLARMAX "ONE" is the finest HID lamp that combines both enhanced Metal Halide and Super High Pressure Sodium technologies to achieve strong peaks for both vegetative growth and flowering. The result is "ONE" lamp with two simultaneous operating arc tubes that are optimized to operate on an S52 1000 HPS ballast, SOLARMAX "ONE" the best of both technologies. 100,000 lumens of specifically targeted output with a correlated color temperature of 2850 deg. Kelvin.



FINALLY.....EVERYTHING YOU NEED IN "ONE" LAMP!

Product	Ballast	Lamp Jacket	Overall Length	Color Temp Deg. K	Lumens	Life Hours
VEGETATIVE & FLOWERING HIGH OUTPUT TUBULAR HPS LAMPS						
HPST 1000W Super	HPS Ballast S52	T23	390 mm 15.6"	2850	100,000	24000



Graph showing the relative energy absorbed by plants during photosynthesis, as compared to the sensitivity of the human eye.

SolarMAX™

"The Lamps" To Grow With!



06/10/11

BLT INTERNATIONAL DISTRIBUTION LTD.

SolarMAX™

HIGH OUTPUT HORTICULTURAL LAMPS

LAMPS TUNED FOR PLANTS!



*For Stronger,
Healthier and
Bigger Plants!*