

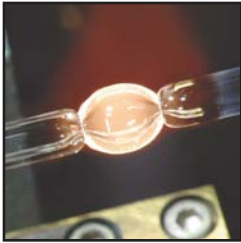
SUNMASTER

WORLD LEADER

SUNMASTER is global, home to numerous design physicists, manufacturing engineers and optic specialists



Our lamps contain unique ceramic arc tube designs, manufactured to precise specifications



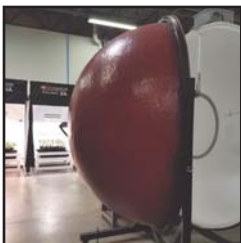
We engineer and manufacture our lamp chemistry at APL Engineered Materials (Sunmaster sister company)



SUNMASTER lamps are manufactured to ISO 9001:2000 manufacturing processes.



Our superior performance is backed by Photometric and Empirical data



SUNMASTER

DON'T JUST TAKE OUR WORD,
LISTEN TO THE PROFESSIONALS:



"Our plants are absolutely responding better to SUNMASTER's double end SUPER HO lamps"

– Commercial Grower, central California side-by-side comparison vs (brand B)

"Switching to the FULL NOVA veg spectrum by simply swapping out the lamp makes for an easy changeover"

– Commercial Grower, Quebec

SUNMASTERGrowLamps.com

1000^{WATT} DOUBLE-ENDED SOLUTIONS



SUNMASTER

SUPER HPS HO



FULL NOVA

SUNMASTERGrowLamps.com

SUN-0185B4_v3-0818

WHAT'S OUR SECRET?

PROPRIETARY CHEMISTRY
Sunmaster's 1000W double-end lamp family incorporates extremely precise amounts of salts or amalgams to specifically tailor their spectral output, delivering balanced, nutritional light



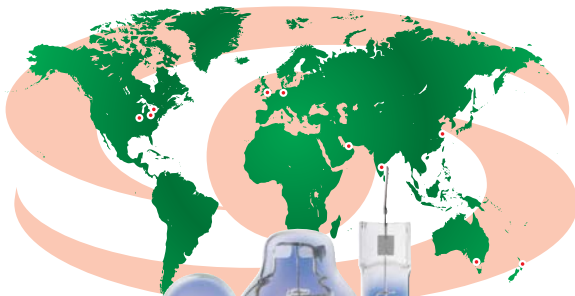
EMPIRICAL TESTING

After qualifying photometric performance, Sunmaster validates lamp performance via side-by-side testing within its Plant Science Labs as well as externally through non-biased 3rd-party facilities



QUALITY AND SERVICE

Sunmaster has served North America, Europe and Australia for over twenty years.



1000^{WATT-DE} FULL NOVA FULL SPECTRUM GROW LAMP

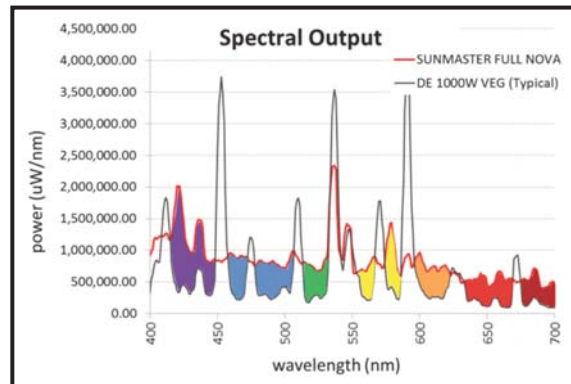
Product#: 41985

Features

- Full spectrum: 85 CRI
- Blue weighted: 6800K
- Compared to industry standard DE 1000W VEG:
 - 27% more μmol
 - 40% more blue/violet (380-495nm)
 - 115% more red (700-800nm)

Benefits

- Supports thicker leaves, dense vegetative growth
- Balanced spectrum promotes overall plant health
- More μmol increases photosynthesis



Fills in the spectral energy 'gaps' missing from other double-end vegetative lamps

1000^{WATT-DE} SUPER HPS HO HIGH OUTPUT FLOWERING GROW LAMP

Product#: 80010

Features

- More light: 1,900 μmol (400-700nm), 2,200 μmol total
- Fuller spectrum: 50 CRI vs. 27 (typical HPS)
- 16% more red, 42% more far red

Benefits

- Broader spectrum supports overall plant health
- Tight internode spacing
- Promotes early and more flowers
- Delivers higher yields

