

SUNMASTER®

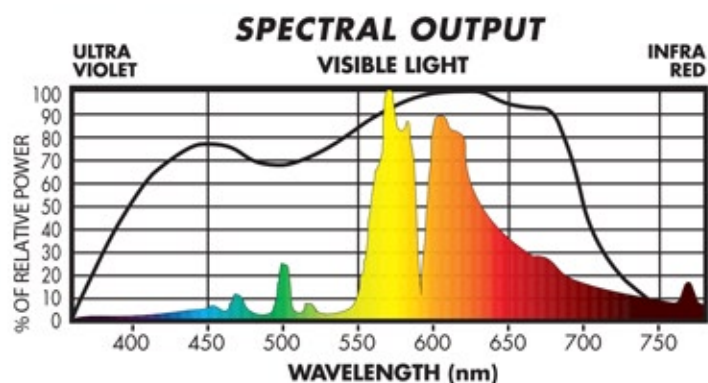
SUPER HPS HO

1000 W Flowering High Output Grow Lamp

SM.1000W.SUPER HO

BENEFITS

- High Output
 - » Up to 20% more μmol compared to standard HPS
- Higher yields
 - » 47% more red energy compared to single-ended HPS
- 2200 μmol - the Highest Output 1000W
- Strong orange-red component for flowering
- Increases total number of branches as well as internodes
- Encourages earlier flowering and total number of flowers
- e-ballast compatible



GENERAL Characteristics

Lamp Type	HPS Single Ended
ANSI Code	S52
Bulb Shape	E25
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	20000 hours
Operating Position	Universal
Dimming	N/A

PHOTOMETRIC

Initial Lumens	155000
Lumens Per Watt	155
Lamp Lumen Depreciation (LLD) (90%) @ 8000 hours	
Correlated Color Temperature	2025K
Color Rendering Index (CRI)	49

LIGHT OUTPUT: Plant

PAR Watts (400nm - 700nm)	380
μmol (400nm - 700nm)	1900
μmol (Total)	2200

PHYSICAL

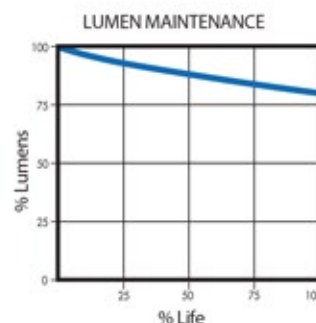
Bulb Diameter	3.1" (79mm)
Max. Overall Length (MOL)	15.1" (388mm)
Light Center Length (LCL)	8.8" (224mm)
Effective Arc Length	230mm
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	5
Luminaire Type	Open / Enclosed Rated

ELECTRICAL

Lamp Watts	1000
Lamp Oper. Voltage (Nom.)	-



Dia. = 3.1" (79mm)
 MOL = 15.1" (388mm)
 LCL = 8.8" (224mm)
 Base = Mogul (E39)





Features

- Fuller spectrum: 49 CRI vs. 35 to 40 standard
- 1,900 $\mu\text{mol}/\text{sec}$ (between 400nm and 700nm)
- 2,200 $\mu\text{mol}/\text{sec}$ (total output)
- 380 PAR watts (400 – 700nm)

Benefits

- Very high output – 20% more μmol compared to top industry brands
- Fuller spectrum, weighted with higher red content

Spectrum

- 47% more red (620-750nm) compared to top industry brands
- Spectrally engineered by Sunmaster

Key Design Differentiators

- Re-engineered ceramic arc-tube
- Specialty amalgams developed by Sunmaster sister company, Anderson Physics Lab
- Starting aid for reliable operation on electronic ballasts

