



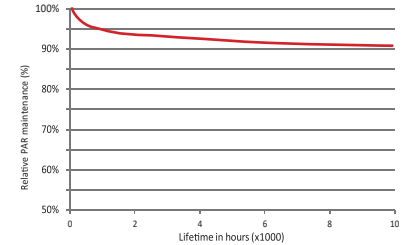
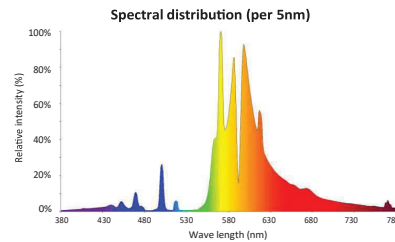
TECHNICAL SPECIFICATIONS

Agrosun Double-Ended High Pressure Sodium (HPS) Lamp 1000W 2100K

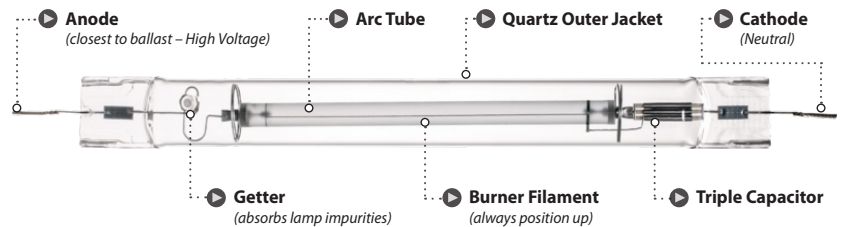
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APPLICATIONS: Horticulture, Controlled environment agriculture, Daylight supplementation in greenhouse structures, Livestock photoperiod management, Aquaculture, Algaculture.

DESCRIPTION: Agrosun Double-Ended HPS lamps are ideal for cultivation with high light intensity requirements. They provide high proportions of both red and blue light, which guarantees efficient, solid growth. Specifically designed for high frequency electronic ballasts, their high output of PAR light (2100 $\mu\text{mol/s}$) promotes photosynthesis. Made in the EU.



PERFORMANCE DATA	
Lamp Designation	HPS 1000W/400V DE
Rated PAR Value	2100 $\mu\text{mol/s}$
Rated Average Life	10,000 hrs
Rated $\mu\text{mol/s}$ per Watt	2.1 $\mu\text{mol/s/W}$
Rated Kelvin Temperature	2100K
Minimum Cycle Duration	180 min
Warm-up Time	7 min
Hot Re-strike Time	15 min
RE-LAMP INTERVAL (12 Hours per day operation)	
Optimum Growth	12–16 months
Average Growth	16–20 months
Maintenance Growth	20–24 months
Operating Position	Horizontal
ELECTRICAL CHARACTERISTICS	
Lamp Wattage	1000W
Open Fixture Rated	OPEN
Lamp Current	4.8 A
Lamp Voltage	230V
Ignition Voltage	3.2 kV
Control Gear	1000W Electronic, 100–150 kHz
PHYSICAL DESCRIPTION	
Lamp Diameter	1.18" max
Max Overall Length	12.71"
Lamp Center Location	6.35"
Lamp Finish	Clear
Lamp Designation	5002473
Base Type	Cable Leads



WARNING – POSSIBLE RISK OF INJURY TO EYES AND SKIN

Hazardous optical UV, HEV, and IR radiation may be emitted from the light source. Always wear personal protective equipment ensuring complete shielding of skin and eyes. Avoid prolonged exposure and looking directly at light source.

CAUTION: This is an electric discharge lamp. Use only with proper circuits and auxiliary equipment. Failure to comply with this requirement may result in poor performance and possible personal injury or property damage for which the lamp manufacturer will not be responsible. Do not scratch glass bulb or subject lamp to undue pressure as either may cause the lamp to break. Wear safety glasses and gloves when installing or removing lamp.

WARNING: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. This lamp complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

AUXILIARY EQUIPMENT: Lamps must be operated on ballasts and luminaires that meet all applicable ANSI specifications. External protection for the lamp is required to minimize bulb breakage due to water contact during lamp operation. For the total supply load, add auxiliary watts to lamp watts.

NOTICE: If outer bulb is broken, care must be taken to avoid contact with the arc tube support to avoid electrical shock hazard. Power should be off and lamp cool during replacement.

ADDITIONAL PRECAUTIONS

Lamp Getter must be positioned nearest to the high voltage anode. Burner filament always position up.

Lamp contains mercury. Manage in accordance with disposal laws. lamprecycle.org