



# TECHNICAL SPECIFICATIONS

## Agrosun Double-Ended High Pressure Sodium (HPS) Lamp 750W 2100K

ITEM CODE: BUSD750DEAG

**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 μmol/s) promotes photosynthesis. Made in the EU.

### PERFORMANCE DATA

Rated Initial lumens at 100 hrs	105,000
Kelvin Temperature	2100K
CRI	25
Lumen Output	140,000
Lumens per Watt	140
PAR Value	1450 μmol/s
Warm-up Time	7 min
Hot Re-strike Time	2 min

### RE-LAMP INTERVAL

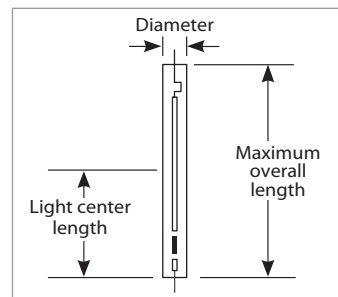
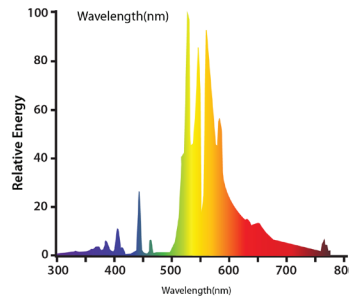
Optimum Growth	12-16 months
Average Growth	16-20 months
Maintenance Growth	20-24 months
Operating Position	Horizontal

### ELECTRICAL CHARACTERISTICS

Lamp Wattage	750W
ANSI Ballast Requirements	S52
Open Fixture Rated	OPEN

### PHYSICAL DESCRIPTION

Lamp Diameter mm (inches)	1.18
Max Overall Length (MOL) (inches)	12.71
Lamp Center Location (LCL) (inches)	6.35
Lamp Finish	Clear
Lamp Designation	5002498
Base Type	CLEAR



**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.



Lamp contains mercury. Manage in accordance with disposal laws. [lamprecycle.org](http://lamprecycle.org)