



# TECHNICAL SPECIFICATIONS

## Agrosun Red Sodium High Pressure Sodium (HPS) Lamp 1,000W 2100K

ITEM CODE: BUSD1AG

**APPLICATIONS:** Horticulture, controlled environment agriculture, daylight supplementation in greenhouse structures, aquaponics.

**DESCRIPTION:** Agrosun Red Sodiums are the best choice for enhanced flowering, increased crop volume, and supplemental greenhouse lighting. Not only will they produce more, larger, and better flowers, but they will do it quicker than common sodium bulbs. Red Sodiums are recommended for situations where high output supplemental light is preferred.

### PERFORMANCE DATA

Rated Initial lumens at 100 hrs	145,000
Rated Average Life	24,000 hrs
Kelvin Temperature	2100K
CRI	20 ± 4
Lumen Output	145,000
Lumens per Watt	145
Photosynthetic Photon Flux	1810 μmol/s
Warm-up Time	7 min
Hot Re-strike Time	2 min

### RE-LAMP INTERVAL

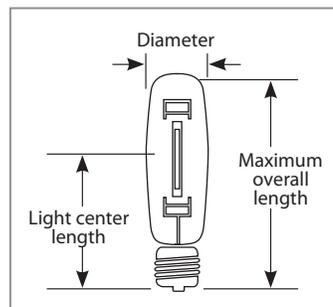
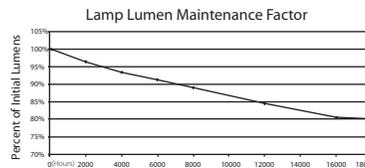
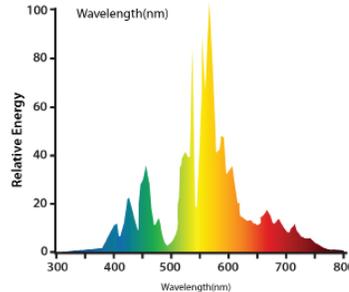
Optimum Growth	9-10 months
Average Growth	11-12 months
Maintenance Growth	13-16 months
Operating Position	Universal

### ELECTRICAL CHARACTERISTICS

Lamp Wattage	1,000W
ANSI Ballast Requirements	S52
Open Fixture Rated	No

### PHYSICAL DESCRIPTION

Lamp Diameter (inches)	2.55 max
Max Overall Length (MOL) (inches)	13.85 ± 0.19
Lamp Center Location (LCL) (inches)	9.33 ± 0.19
Lamp Finish	Quartz glass
Lamp Designation	T10
Base Type	Mogul E39



**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)