

# XTRASUN<sup>®</sup> TECHNICAL SPECIFICATIONS

## Xtrasun High Pressure Sodium (HPS) Lamp 250W 2000K

ITEM CODE: **XTB1040**

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

**DESCRIPTION:** Your clear choice for HID lamps that provide long-lasting and reliable operation is Xtrasun. Our Xtrasun High Pressure Sodium (HPS) lamps are engineered specifically for use with both magnetic and electronic ballasts, and with their 2000° Kelvin color temperature they consistently provide intense light in the correct spectral range for vigorous flowering growth and can even be used, if desired, throughout the full cycle (in both vegetative and flowering phases). Xtrasun lamps offer exceptional performance and feature high quality components.

### PERFORMANCE DATA

Rated Initial lumens at 100 hrs	29,000
Rated Average Life	24,000 hrs
Kelvin Temperature	2000K
CRI	25
Lumens per Watt	110
Photosynthetic Photon Flux	354 $\mu\text{mol/s}$
Warm-up Time	5 min
Hot Re-strike Time	4-5 min

### RE-LAMP INTERVAL

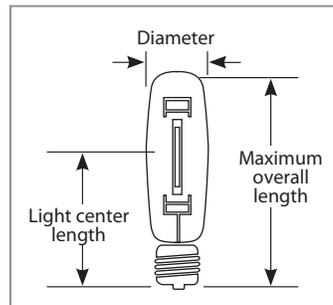
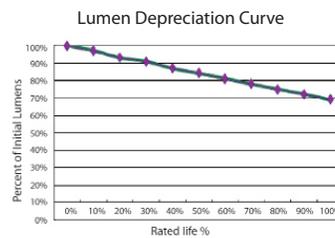
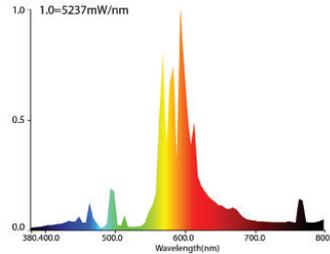
Optimum Growth	9-10 months
Average Growth	11-12 months
Maintenance Growth	13-16 months
Operating Position	Universal

### ELECTRICAL CHARACTERISTICS

Lamp Wattage	250W
ANSI Ballast Requirements	S50/E
Open Fixture Rated	Open/Enclosed

### PHYSICAL DESCRIPTION

Lamp Diameter (inches)	2.36
Max Overall Length (MOL) (inches)	9.76
Lamp Center Location (LCL) (inches)	-
Lamp Finish	Clear
Lamp Designation	ET18
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)