

XTRASUN[®] TECHNICAL SPECIFICATIONS

Xtrasun Metal Halide (MH) Lamp 400W 4200K

ITEM CODE: XTB2020

APPLICATIONS: Horticulture, controlled environment agriculture, daylight supplementation in greenhouse structures, livestock photoperiod management, aquaculture, algaculture, aquaponic.

DESCRIPTION: Your clear choice for HID lamps that provide long-lasting and reliable operation is Xtrasun. Our Xtrasun Metal Halide (MH) lamps are engineered specifically for use with both magnetic and electronic ballasts. Available in your choice of 4200° Kelvin (Natural White) and 7200° Kelvin (Sky Blue) color temperature, they consistently provide intense light in the correct spectral range for energetic vegetative growth. Xtrasun lamps offer exceptional performance and feature high quality components.

Note: Correlated color temperatures will fluctuate depending upon which bulb is purchased.

PERFORMANCE DATA

Rated Initial lumens at 100 hrs	36,000
Rated Average Life	10,000 hrs
Kelvin Temperature	4200K
CRI	65
Lumens per Watt	90
Photosynthetic Photon Flux	508 $\mu\text{mol/s}$
Warm-up Time	3-5 min
Hot Re-strike Time	8-12 min

RE-LAMP INTERVAL

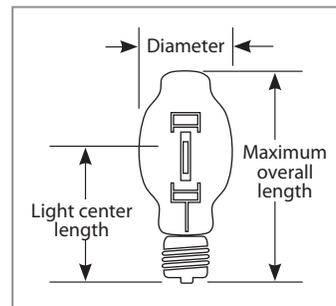
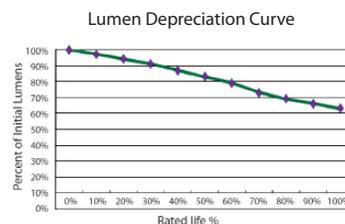
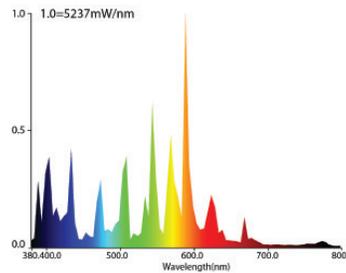
Optimum Growth	6-8 months
Average Growth	9-10 months
Maintenance Growth	10-12 months
Operating Position	Universal

ELECTRICAL CHARACTERISTICS

Lamp Wattage	400W
ANSI Ballast Requirements	M59/E
Open Fixture Rated	Enclosed

PHYSICAL DESCRIPTION

Bulb Diameter (inches)	4.72
Max Overall Length (MOL) (inches)	11.4
Lamp Center Location (LCL) (inches)	7 \pm 0.19
Lamp Finish	Clear
Lamp Designation	ED37
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