



# TECHNICAL SPECIFICATIONS

## Agrosun Gold Halide (MH) Horizontal H/O - 250W 3000K

ITEM CODE: **BUSUHL250HZAS**

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

**DESCRIPTION:** Agrosun Gold Halides help plants grow their best! An exclusive, these spectrally enhanced halides are the best all-purpose growth and fruiting/flowering light you can use. They emit more of the red wavelengths than common halides. They are the "Gold Standard" in plant growth lighting, and thousands are in use by satisfied gardeners worldwide. Agrosun Gold Halides are super halides with MORE red for flowering than other common halides.

### PERFORMANCE DATA

Rated Initial lumens at 100 hrs	20,000
Rated Average Life	10,000 hrs
Kelvin Temperature	3000K
CRI	65
Lumens per Watt	80
Photosynthetic Photon Flux	240 $\mu\text{mol/s}$
Warm-up Time	2-4 min
Hot Re-strike Time	5-10 min

### RE-LAMP INTERVAL

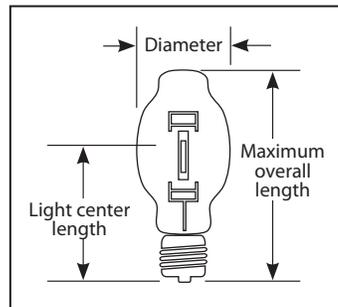
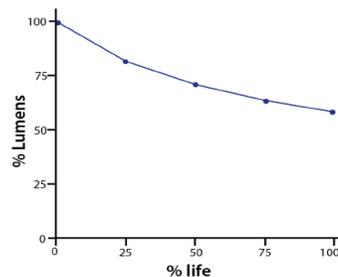
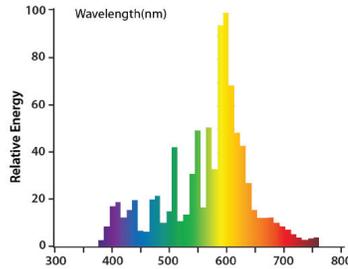
Optimum Growth	6-8 months
Average Growth	9-10 months
Maintenance Growth	10-12 months
Operating Position	Horizontal $\pm 45^\circ$

### ELECTRICAL CHARACTERISTICS

Lamp Wattage	250W
ANSI Ballast Requirements	M58/E
Open Fixture Rated	No

### PHYSICAL DESCRIPTION

Lamp Diameter (inches)	3.54
Max Overall Length (MOL) (inches)	8.30
Lamp Center Location (LCL) (inches)	5
Lamp Finish	Clear
Lamp Designation	ED28
Base Type	Mogul POMB (EP39)



**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)