

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

DESCRIPTION: Digilux Metal Halide and High Pressure Sodium lamps are favored by growers because of the wide color spectrum and efficiency. They are engineered for use in digital ballasts and feature enhanced red/orange spectrums (HPS) and blue spectrums (MH), better color uniformity, longer lamp life, and less lumen depreciation. Digilux lamps can be used in both vertical and horizontal fixtures, and offer superior performance compared to traditional MH and HPS lamps. Digilux HPS lamps deliver 25% more energy than competing HPS lamps in the red and orange spectrums, and Digilux MH lamps deliver 25% more energy in the blue, violet, and green spectrums than competing MH lamps.

PERFORMANCE DATA

Rated Initial lumens at 100 hrs	105,000
Rated Average Life	12,000hrs
Kelvin Temperature	4000K
CRI	65
Lumens per Watt	110
Photosynthetic Photon Flux	1480 $\mu\text{mol/s}$
Warm-up Time	N/A
Hot Re-strike Time	10 min

RE-LAMP INTERVAL

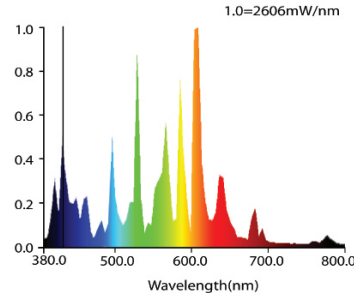
Optimum Growth	6-8 months
Average Growth	9-10 months
Maintenance Growth	10-12 months
Operating Position	

ELECTRICAL CHARACTERISTICS

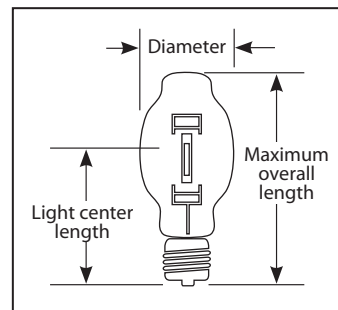
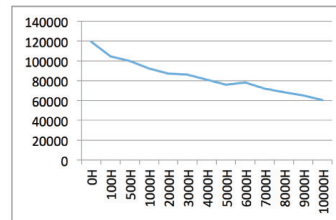
Lamp Wattage	1000W
ANSI Ballast Requirements	M141
Open Fixture Rated	Enclosed

PHYSICAL DESCRIPTION

Lamp Diameter (inches)	3.38
Max Overall Length (MOL) (inches)	15.15
Lamp Center Location (LCL) (inches)	9.48
Lamp Finish	Clear
Lamp Designation	TT84
Base Type	Mogul E39



Lumen Depreciation Curve



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