



### MS 1000W/BU/BT37

#### GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	M47/E
Bulb Shape	BT37
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	12000 hours
Operating Position	Base Up $\pm 15^\circ$

#### PHOTOMETRIC

Initial Lumens	11500
Lumens Per Watt	115
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 4800
Correlated Color Temperature	4000K
Chromaticity Coordinates (CIE-x,y)	.385 .390
Color Rendering Index (CRI) $R_a$	65

#### PHYSICAL

Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	81.5 mm
Max. Base Temperature ( $^\circ\text{C}$ )	250
Max. Bulb Temperature ( $^\circ\text{C}$ )	450
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

#### ELECTRICAL

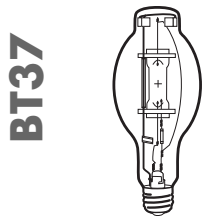
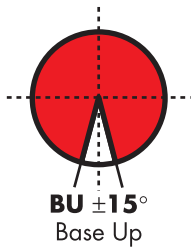
Lamp Watts	1000
Lamp Oper. Voltage (Nom.)	263
Dimming	

#### SUSTAINABILITY

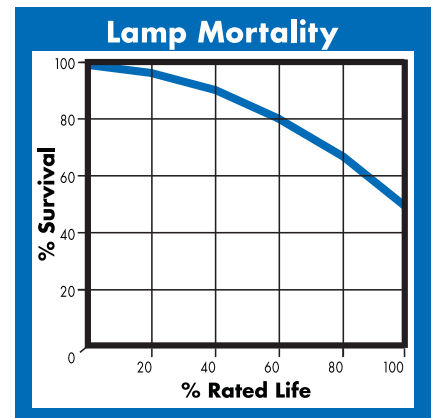
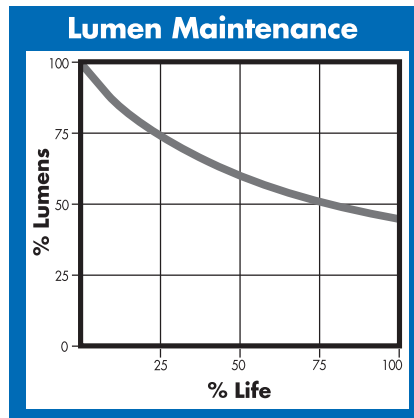
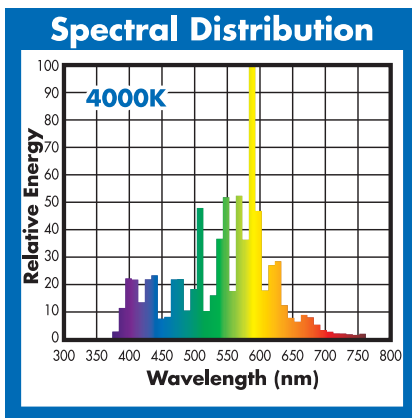
Mercury Amount (mg)	151.0
Picograms of Hg per Mean Lumen Hour	168

#### NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Operation of position-rated lamps outside of their tolerances will result in poor performance.
- Dimming applicable only when lamp is installed in the Base Up  $\pm 15^\circ$  (BU $\pm 15^\circ$ ) position.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).



Dia. = 4.6" (120mm)  
 MOL = 11.5" (292mm)  
 LCL = 7.0" (178mm)  
 Base = Mogul (E39)



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THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30  
 Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives

**Warning:** This lamp can cause 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. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.