



## MH 1000W/U/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 (V)	12000 hours
Rated Life (H)	9000 hours
Operating Position	Universal

## PHOTOMETRIC

Initial Lumens / LPW (V)	110000 / 110
Initial Lumens / LPW (H)	99000 / 99
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 4800 hours
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	81.0 mm
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	450
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

## ELECTRICAL

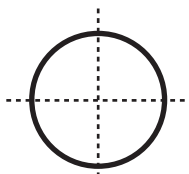
Lamp Watts	1000
Lamp Oper. Voltage (Nom.)	263

## SUSTAINABILITY

Mercury Amount (mg)	151.0
Picograms of Hg per Mean Lumen Hour (V)	176

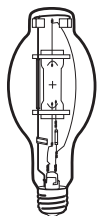
## NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Dimming applicable only when lamp is installed in the Base Up  $\pm 15^\circ$  (BU $\pm 15^\circ$ ) position.
- \* At minimum ANSI ballast input voltage.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).



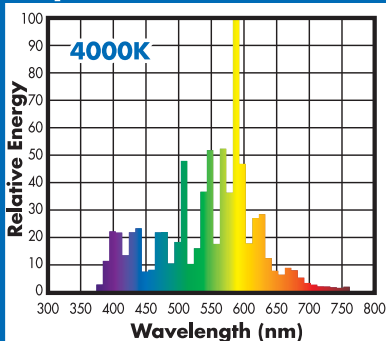
Universal  
Any Position

BT37

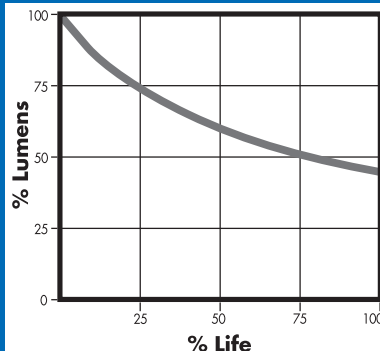


Dia. = 4.6" (120mm)  
MOL = 11.5" (292mm)  
LCL = 7.0" (178mm)  
Base = Mogul (E39)

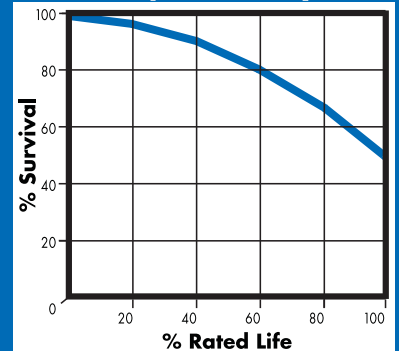
## Spectral Distribution



## Lumen Maintenance



## Lamp Mortality



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.

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