



### MS 400W/C/HOR

#### GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	M59/E
Bulb Shape	ED37
Base Type	Mogul POMB (EP39)
Bulb Finish	Coated
Rated Life	20000 hours
Operating Position	Horizontal $\pm 45^\circ$

#### PHOTOMETRIC

Initial Lumens	38000
Lumens Per Watt	95
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 8000
Correlated Color Temperature	3700K
Chromaticity Coordinates (CIE-x,y)	.395 .390
Color Rendering Index (CRI) $R_a$	70

#### PHYSICAL

Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	N/A
Max. Base Temperature ( $^\circ\text{C}$ )	210
Max. Bulb Temperature ( $^\circ\text{C}$ )	400
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

#### ELECTRICAL

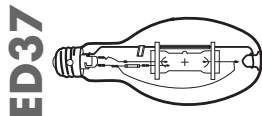
Lamp Watts	400
Lamp Oper. Voltage (Nom.)	135
Dimming	

#### SUSTAINABILITY

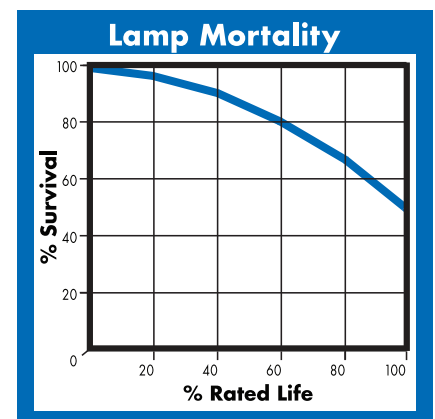
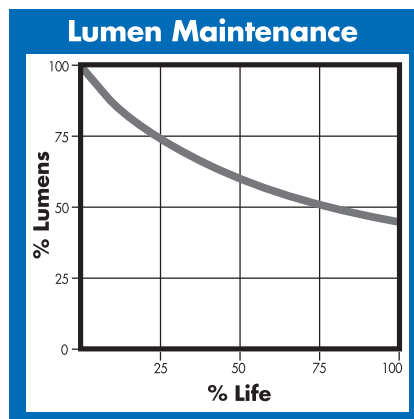
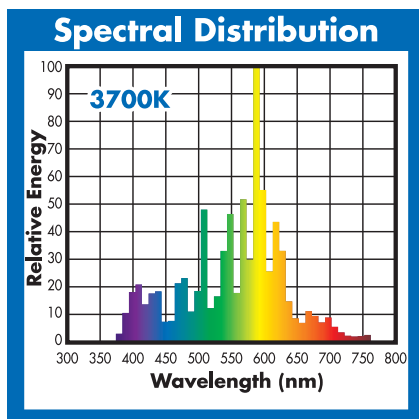
Mercury Amount (mg)	53.8
Picograms of Hg per Mean Lumen Hour	109

#### 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.
- Permitted rotation about axis  $\pm 15^\circ$ .
- 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 POMB (EP39)



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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.