



MH 400W/C/U

GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	M59/E
Bulb Shape	ED37
Base Type	Mogul (E39)
Bulb Finish	Coated
Rated Life (V)	20000 hours
Rated Life (H)	15000 hours
Operating Position	Universal

ELECTRICAL

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

SUSTAINABILITY

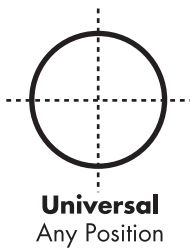
Mercury Amount (mg)	55.0
Picograms of Hg per Mean Lumen Hour (V)	124

PHOTOMETRIC

Initial Lumens / LPW (V)	34000 / 85
Initial Lumens / LPW (H)	30600 / 77
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 8000 hours
Correlated Color Temperature	3700K
Chromaticity Coordinates (CIE-x,y)	.395 .390
Color Rendering Index (CRI) R_a	70

NOTES

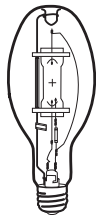
- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Performance ratings of Universal lamps are based upon Vertical ($\pm 15^\circ$) operation.
- Dimming applicable only when lamp is installed in the Base Up $\pm 15^\circ$ (BU $\pm 15^\circ$) position.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



PHYSICAL

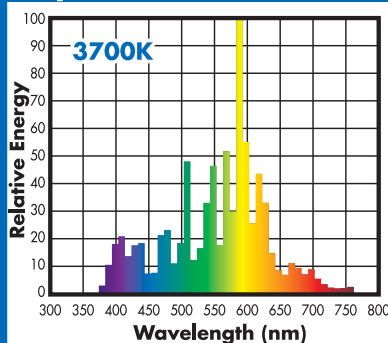
Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	N/A
Max. Base Temperature ($^\circ\text{C}$)	210
Max. Bulb Temperature ($^\circ\text{C}$)	400
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

ED37

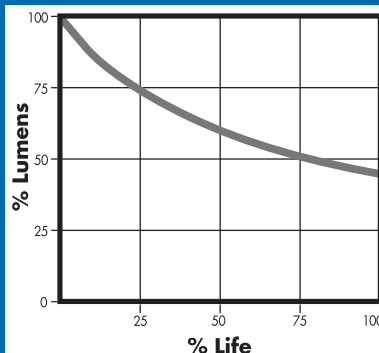


Dia. = 4.6" (120mm)
MOL = 11.5" (292mm)
LCL = 7.0" (178mm)
Base = Mogul (E39)

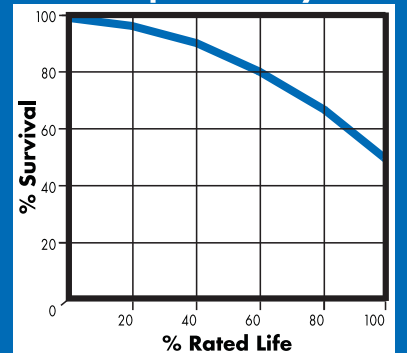
Spectral Distribution



Lumen Maintenance



Lamp Mortality



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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.