



MS 250W/BU

GENERAL Characteristics

Lamp Type	Standard MH Single Ended
ANSI Code	M58/E
Bulb Shape	ED28
Base Type	Mogul (E39)
Bulb Finish	Clear
Rated Life	10000 hours
Operating Position	Base Up $\pm 15^\circ$

ELECTRICAL

Lamp Watts	250
Lamp Oper. Voltage (Nom.)	133
Dimming	

SUSTAINABILITY

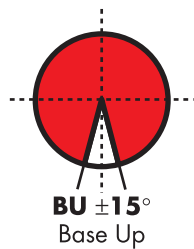
Mercury Amount (mg)	30.0
Picograms of Hg per Mean Lumen Hour	200

PHOTOMETRIC

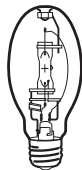
Initial Lumens	23000
Lumens Per Watt	92
Lamp Lumen Depreciation (LLD)	0.65 (65%) @ 4000
Correlated Color Temperature	4000K
Chromaticity Coordinates (CIE-x,y)	.385 .390
Color Rendering Index (CRI) R_a	65

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).



ED28

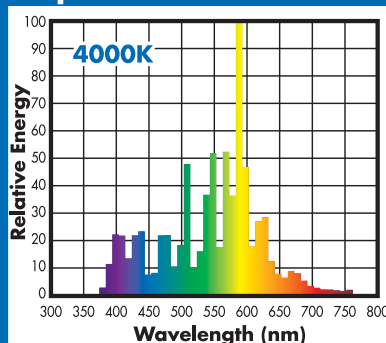


Dia. = 3.5" (90mm)
MOL = 8.3" (211mm)
LCL = 5.0" (127mm)
Base = Mogul (E39)

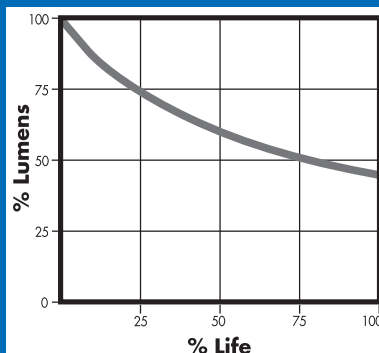
PHYSICAL

Bulb Diameter	3.5" (90mm)
Max. Overall Length (MOL)	8.3" (211mm)
Light Center Length (LCL)	5.0" (127mm)
Effective Arc Length	24.2 mm
Max. Base Temperature ($^\circ\text{C}$)	210
Max. Bulb Temperature ($^\circ\text{C}$)	400
Socket Pulse Rating (KV)	-
Luminaire Type	Enclosed Rated

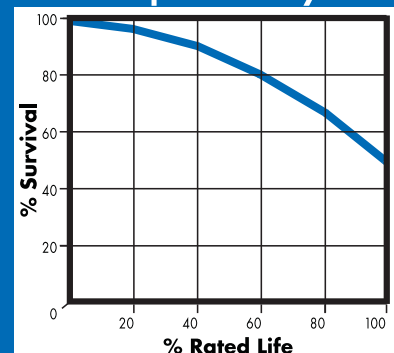
Spectral Distribution



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.