

# 330 Watt Energy Master Lamp

# 91844 DATA SHEET

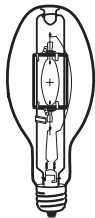


## Energy Master<sup>®</sup> Metal Halide Energy Saving Retrofit Lamps

**Change Just the  
Lamp and Save**



**ED37**



Dia. = 4.6" (120mm)  
MOL = 11.5" (292mm)  
LCL = 7.0" (178mm)  
Base = Mogul (EX39)

## MPI 330W/C/BU/EM GENERAL Characteristics

Lamp Type	Metal Halide Single Ended
ANSI Code	M59/O, M155/O Compatible
Bulb Shape	ED37
Base Type	Mogul (EX39)
Bulb Finish	Coated
Rated Life	20000 hours
Operating Position	Base Up ±15°

## PHOTOMETRIC

Initial Lumens	30000
Lumens Per Watt	91
Lamp Lumen Depreciation (LLD)	0.80 (80%) @ 8000 hours
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 (°C)	210
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	-
Luminaire Type	Open / Enclosed Rated

## ELECTRICAL

Lamp Watts	330
Lamp Oper. Voltage (Nom.)	120
Energy Saving Replacement for	400W Probe/Pulse MH
Watts Saved	70
Dimming	N/A

## SUSTAINABILITY

Mercury Amount (mg)	26.5
Picograms of Hg per Mean Lumen Hour	55

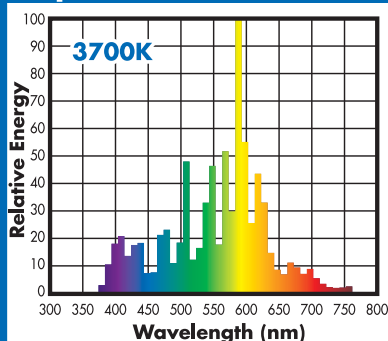
## NOTES

- 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.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).
- Lamp Lumen Depreciation (LLD) of 80% @8000 hours applies regardless of ballast type (PSMH, Std MH) used.
- Warm-up and Re-strike times are equal to the equivalent Pulse Start or Probe Start lamp. For Pulse Start operation, 2-3 minutes warm-up and 4-6 minutes re-strike.

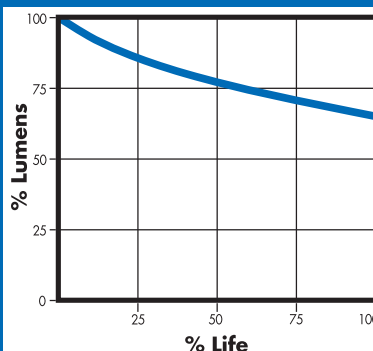
## Change Just the Lamp:

- No need to change luminaires or ballasts
- Save on energy consumption
- Indoor or outdoor, Energy Master lamps are perfect for energy savings in any application

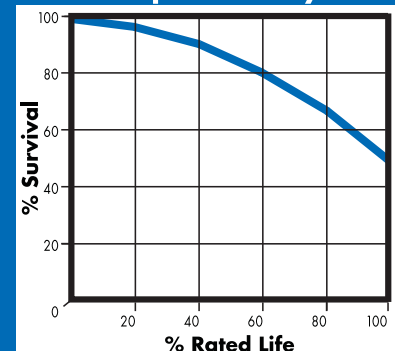
### Spectral Distribution



### 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.