

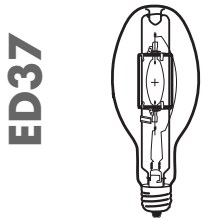
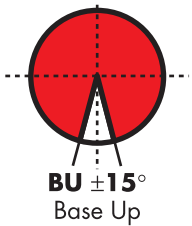
# 330 Watt Energy Master Lamp

# 91834 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/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        | Clear                     |
| Rated Life         | 20000 hours               |
| Operating Position | Base Up ±15°              |

## PHOTOMETRIC

|                                    |                         |
|------------------------------------|-------------------------|
| Initial Lumens                     | 31500                   |
| Lumens Per Watt                    | 95                      |
| Lamp Lumen Depreciation (LLD)      | 0.80 (80%) @ 8000 hours |
| Correlated Color Temperature       | 4000K                   |
| Chromaticity Coordinates (CIE-x,y) | .385 .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       | 36mm                  |
| 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

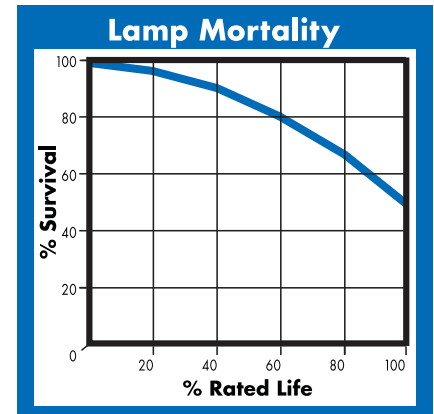
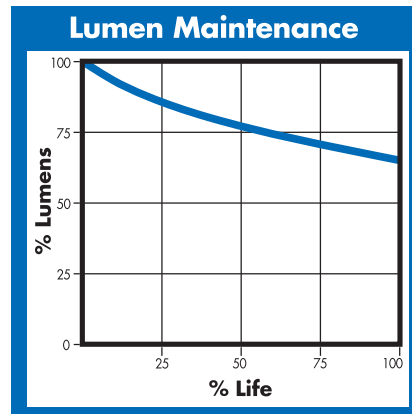
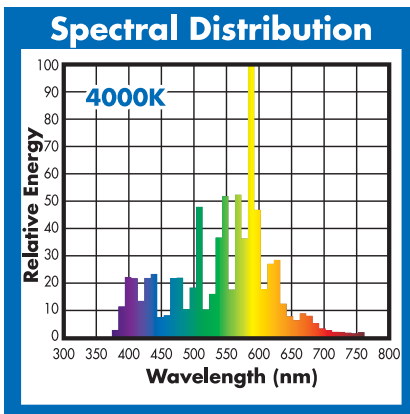
|                                     |      |
|-------------------------------------|------|
| Mercury Amount (mg)                 | 26.5 |
| Picograms of Hg per Mean Lumen Hour | 53   |

## 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



**(800) 451-2606**

7905 Cochran Road, Suite 300

Glenwillow, Ohio 44139 USA

E-mail: [Venture\\_Lighting@VentureLighting.com](mailto:Venture_Lighting@VentureLighting.com)

**VentureLighting.com**

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.