

# 1000 Watt Pulse Start Lamp

# 37999

## DATA SHEET

UNI-FORM PULSE START METAL HALIDE LIGHTING SYSTEMS



**UNI-FORM**  
PULSE START METAL HALIDE LIGHTING SYSTEMS

## MH 1000W/U/BT37/PS/740

### GENERAL Characteristics

|                    |                             |
|--------------------|-----------------------------|
| Lamp Type          | MH Pulse Start Single Ended |
| ANSI Code          | M141/E                      |
| Bulb Shape         | BT37                        |
| Base Type          | Mogul (E39)                 |
| Bulb Finish        | Clear                       |
| Rated Life (V)     | 12000 hours                 |
| Rated Life (H)     | 9000 hours                  |
| Operating Position | Universal                   |

### ELECTRICAL

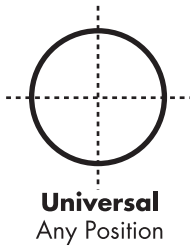
|                           |      |
|---------------------------|------|
| Lamp Watts                | 1000 |
| Lamp Oper. Voltage (Nom.) | 263  |

### SUSTAINABILITY

|   |       |
|---|-------|
| Mercury Amount (mg)                     | 151.0 |
| Picograms of Hg per Mean Lumen Hour (V) | 137   |

### NOTES

- Nominal color temperature rating is based on Vertical ( $\pm 15^\circ$ ) operation of the lamp. Off-vertical positions will result in higher color temperature.
- Product may contribute towards satisfying MR-Credit 4 under LEED.
- Minimum Starting Temperature:  $-40^\circ\text{C}/^\circ\text{F}$ .
- \* At minimum ANSI ballast input voltage.



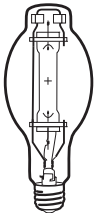
### PHOTOMETRIC

|                                    |                         |
|------------------------------------|-------------------------|
| Initial Lumens / LPW (V)           | 115000 / 115            |
| Initial Lumens / LPW (H)           | 103500 / 104            |
| Lamp Lumen Depreciation (LLD)      | 0.80 (80%) @ 4800 hours |
| Correlated Color Temperature       | 4000K                   |
| Chromaticity Coordinates (CIE-x,y) | .385 .390               |
| Color Rendering Index (CRI) $R_a$  | 68                      |

### PHYSICAL

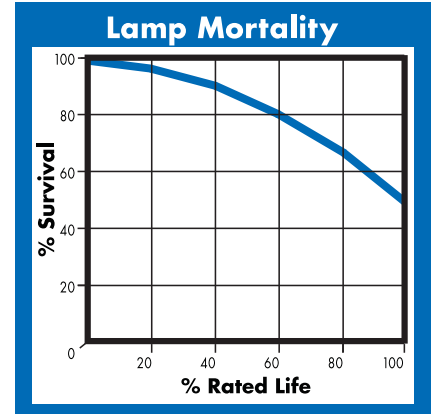
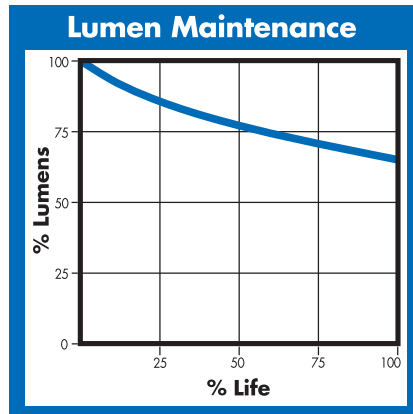
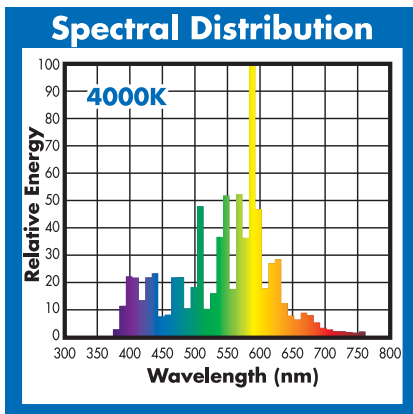
|  |                |
|--|----------------|
| Bulb Diameter                              | 4.6" (120mm)   |
| Max. Overall Length (MOL)                  | 11.5" (292mm)  |
| Light Center Length (LCL)                  | 7.0" (178mm)   |
| Effective Arc Length                       | 90mm           |
| Max. Base Temperature ( $^\circ\text{C}$ ) | 250            |
| Max. Bulb Temperature ( $^\circ\text{C}$ ) | 450            |
| Socket Pulse Rating (KV)                   | 4              |
| Luminaire Type                             | Enclosed Rated |

**BT37**



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

**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.



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