

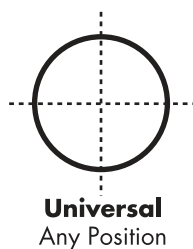
# 100 Watt Pulse Start Lamp

# 79986

## DATA SHEET

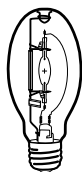


**UNI-FORM**  
PULSE START METAL HALIDE LIGHTING SYSTEMS



**Universal**  
Any Position

**ED28**



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

## MH 100W/C/U/ED28/PS

### GENERAL Characteristics

|                    |                             |
|--------------------|-----------------------------|
| Lamp Type          | MH Pulse Start Single Ended |
| ANSI Code          | M90/E                       |
| Bulb Shape         | ED28                        |
| Base Type          | Mogul (E39)                 |
| Bulb Finish        | Coated                      |
| Rated Life (V)     | 15000 hours                 |
| Rated Life (H)     | 11250 hours                 |
| Operating Position | Universal                   |

### PHOTOMETRIC

|                                    |                         |
|------------------------------------|-------------------------|
| Initial Lumens / LPW (V)           | 8500 / 85               |
| Initial Lumens / LPW (H)           | 7700 / 77               |
| Lamp Lumen Depreciation (LLD)      | 0.65 (65%) @ 6000 hours |
| Correlated Color Temperature       | 3700K                   |
| Chromaticity Coordinates (CIE-x,y) | .395 .390               |
| Color Rendering Index (CRI) $R_a$  | 70                      |

### PHYSICAL

|                            |                |
|----------------------------|----------------|
| Bulb Diameter              | 3.5" (90mm)    |
| Max. Overall Length (MOL)  | 8.3" (211mm)   |
| Light Center Length (LCL)  | 5.0" (127mm)   |
| Effective Arc Length       | N/A            |
| Max. Base Temperature (°C) | 210            |
| Max. Bulb Temperature (°C) | 400            |
| Socket Pulse Rating (KV)   | 4              |
| Luminaire Type             | Enclosed Rated |

### ELECTRICAL

|                           |     |
|---------------------------|-----|
| Lamp Watts                | 100 |
| Lamp Oper. Voltage (Nom.) | 100 |

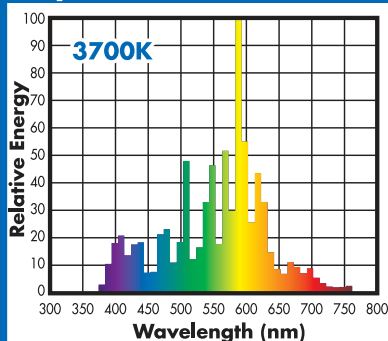
### SUSTAINABILITY

|                                         |     |
|-----------------------------------------|-----|
| Mercury Amount (mg)                     | 9.7 |
| Picograms of Hg per Mean Lumen Hour (V) | 118 |

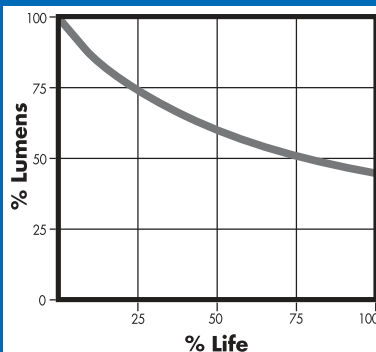
### NOTES

- 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.
- Minimum Starting Temperature:  $-40^\circ\text{C}/^\circ\text{F}$ .
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).

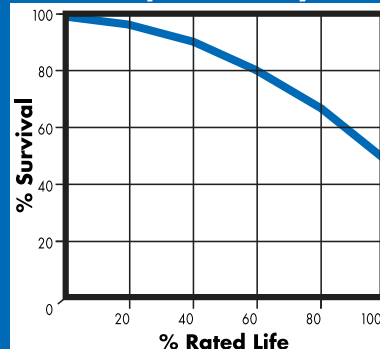
### Spectral Distribution



### 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.