# MHL 250W/V/ED28/PS/740

## GENERAL Characteristics

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>MH Pulse Start Single Ended</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Code</td>
<td>M138, M153/E</td>
</tr>
<tr>
<td>Bulb Shape</td>
<td>ED28</td>
</tr>
<tr>
<td>Base Type</td>
<td>Mogul (E39)</td>
</tr>
<tr>
<td>Bulb Finish</td>
<td>Clear</td>
</tr>
<tr>
<td>Rated Life</td>
<td>40,000 hours</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Vertical ±15°</td>
</tr>
</tbody>
</table>

## PHOTOMETRIC

- **Initial Lumens**: 23,800
- **Lumens Per Watt**: 95
- **Lamp Lumen Depreciation (LLD)**: 0.86 (86%) @ 16,000 hours
- **Correlated Color Temperature**: 4000K
- **Chromaticity Coordinates (CIE-x,y)**: 0.385, 0.390
- **Color Rendering Index (CRI) Ra**: 68

## PHYSICAL

- **Bulb Diameter**: 3.5” (90mm)
- **Max. Overall Length (MOL)**: 8.3” (211mm)
- **Light Center Length (LCL)**: 5.0” (127mm)
- **Effective Arc Length**: 21.1mm
- **Max. Base Temperature (°C)**: 210
- **Max. Bulb Temperature (°C)**: 400
- **Socket Pulse Rating (KV)**: 4
- **Luminaire Type**: Enclosed Rated

## SUSTAINABILITY

- **Mercury Amount (mg)**: 46.2
- **Picograms of Hg per Mean Lumen Hour**: 56

## NOTES

- Lamp performance ratings published in this data sheet are based upon operation with approved electronic ballasts.
- Operation of position-rated lamps outside of their tolerances will result in poor performance.
- Minimum Starting Temperature: -40°C/°F.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).

## ELECTRICAL

- **Lamp Watts**: 250
- **Lamp Oper. Voltage (Nom.)**: 133

## Lumen Maintenance

![Lumen Maintenance Graph](https://venturelighting.com/spectral_distribution.png)

## Lamp Mortality

![Lamp Mortality Graph](https://venturelighting.com/lamp_mortality.png)