# 320 Watt Pulse Start Lamp

## General Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp Type</td>
<td>MH Pulse Start Single Ended</td>
</tr>
<tr>
<td>ANSI Code</td>
<td>M132, M154/E</td>
</tr>
<tr>
<td>Bulb Shape</td>
<td>ED37</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>40000 hours</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Vertical ±15°</td>
</tr>
</tbody>
</table>

## Photometric

- **Initial Lumens**: 31000
- **Lumens Per Watt**: 97
- **Lamp Lumen Depreciation (LLD)**: 0.86 (86%) @ 16000 hours
- **Correlated Color Temperature**: 4000K
- **Chromaticity Coordinates (CIE-x,y)**: 0.385, 0.390
- **Color Rendering Index (CRI)**: Ra = 68

## Physical

- **Bulb Diameter**: 4.6" (120mm)
- **Max. Overall Length (MOL)**: 11.5" (292mm)
- **Light Center Length (LCL)**: 7.0" (178mm)
- **Effective Arc Length**: 38.4mm
- **Max. Base Temperature (°C)**: 210
- **Max. Bulb Temperature (°C)**: 400
- **Socket Pulse Rating (KV)**: 4
- **Luminaire Type**: Enclosed Rated

## Electrical

- **Lamp Watts**: 320
- **Lamp Oper. Voltage (Nom.)**: 135

## Sustainability

- **Mercury Amount (mg)**: 56.0
- **Picograms of Hg per Mean Lumen Hour**: 52

## 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 Scopic lumens, multiply the lumen rating by the S/P ratio (1.7).

## Spectral Distribution

![Spectral Distribution Graph]

## Lumen Maintenance

![Lumen Maintenance Graph]

## Lamp Mortality

![Lamp Mortality Graph]