## 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>M178/E</td>
</tr>
<tr>
<td>Bulb Shape</td>
<td>BT37</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>20000 hours</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Horizontal ±75°</td>
</tr>
</tbody>
</table>

## PHOTOMETRIC

- Initial Lumens: 45000
- Lumens Per Watt: 82
- Lamp Lumen Depreciation (LLD): 0.90 (90%) @ 8000 hours
- Correlated Color Temperature: 5000K
- Chromaticity Coordinates (CIE-x,y): .346 .359
- Color Rendering Index (CRI) Rₗ: 90+

## PHYSICAL

- Bulb Diameter: 4.6" (120mm)
- Max. Overall Length (MOL): 11.5" (292mm)
- Light Center Length (LCL): 7.0" (178mm)
- Effective Arc Length: 42.2mm
- Max. Base Temperature (°C): 230
- Max. Bulb Temperature (°C): 450
- Socket Pulse Rating (KV): 4
- Luminaire Type: Enclosed Rated

## ELECTRICAL

- Lamp Watts: 550
- Lamp Oper. Voltage (Nom.): 135

## SUSTAINABILITY

- Mercury Amount (mg): 29.0
- Picograms of Hg per Mean Lumen Hour: 36

## 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.
- Minimum Starting Temperature: 40°C/°F.
- To calculate nighttime Scopitic lumens, multiply the lumen rating by the S/P ratio (2.1).