MH 400W/U/ED28

GENERAL Characteristics

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Standard MH Single Ended</th>
</tr>
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<tbody>
<tr>
<td>ANSI Code</td>
<td>M59/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 (V)</td>
<td>20000 hours</td>
</tr>
<tr>
<td>Rated Life (H)</td>
<td>15000 hours</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Universal</td>
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</tbody>
</table>

PHOTOMETRIC

Initial Lumens / LPW (V) 36000 / 90
Initial Lumens / LPW (H) 32400 / 81
Lamp Lumen Depreciation (LLD) 0.65 (65%) @ 8000 hours
Correlated Color Temperature 4000K
Chromaticity Coordinates (CIE-x,y) .385 .390
Color Rendering Index (CRI) R\text{a} 65

PHYSICAL

Bulb Diameter 3.5" (90mm)
Max. Overall Length (MOL) 8.3" (211mm)
Light Center Length (LCL) 5.0" (127mm)
Effective Arc Length 35.4 mm
Max. Base Temperature (°C) 230
Max. Bulb Temperature (°C) 450
Socket Pulse Rating (KV)

SPECTRAL DISTRIBUTION

Lumen Maintenance

Lamp Mortality

ELECTRICAL

Lamp Watts 400
Lamp Oper. Voltage (Nom.) 135

SUSTAINABILITY

Mercury Amount (mg) 55.0
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 (±15°) operation.
- Dimming applicable only when lamp is installed in the Base Up ±15° (BU±15°) position.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).