ANSI Code: 51605

Features:
- Works in all HPS lighting systems with an ignitor
- Nickel-plated base
- Improves color rendering index from 20 CRI to 60 CRI
- Applications-Parking lots, manufacturing, warehouse
- Excellent lamp to lamp color consistency

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Initial lumens at rated watts after 100 hours operation</th>
<th>110200V</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>105500H</td>
</tr>
<tr>
<td>Mean lumens at 10 hours/start</td>
<td>85500V</td>
</tr>
<tr>
<td></td>
<td>81700H</td>
</tr>
<tr>
<td>Average life</td>
<td>12000V</td>
</tr>
<tr>
<td></td>
<td>9000H</td>
</tr>
<tr>
<td>Warm up time, maximum</td>
<td>4</td>
</tr>
<tr>
<td>Correlated color temperature</td>
<td>4200</td>
</tr>
<tr>
<td>CIE chromaticity</td>
<td>0.376, 0.396</td>
</tr>
<tr>
<td>Color rendering index (Ra)</td>
<td>65</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Universal</td>
</tr>
<tr>
<td>Time to hot re-start, maximum</td>
<td>15</td>
</tr>
</tbody>
</table>

ELECTRICAL CHARACTERISTICS

- Nominal lamp wattage 1000 W
- Nominal lamp voltage 250 V
- Nominal lamp current 4.7 A
- Maximum current crest factor 1.8
- Maximum starting current 6.5 A
- Minimum starting current 4.7 A
- Ballast requirements Use with ballast rated for ANSI S52 lamp
  - Open circuit voltage (CWA) -30°C (-22°F) 456 Vrms
  - Maximum starting current 6.5 A
  - Minimum starting current 4.7 A
  - Lamp holder voltage rating 4 kV

IGNITOR REQUIREMENTS

- Min. Pulse Height 3000 V
- Max. Pulse Height 5000 V
- Min. Pulse Width 4.0@2700 µsec@V
- Min. Pulse repetition 1 half cycle
- Pulse Positions 60-90 degrees

PHYSICAL DESCRIPTION

- Maximum overall length 386 (15.38) mm (in)
- Light center length 222 (8.75) mm (in)
- Bulb diameter 178 (7.0) mm (in)
- Max. base - bulb eccentricity 3 deg
- Maximum base temperature 210 (410) °C (°F)
- Maximum bulb temperature 400 (752) °C (°F)
- Bulb designation BT56
- Bulb material Borosilicate (Hard Glass)
- Arc tube material Quartz
- Effective arc length 42 (1.65) mm (in)
- Bulb finish Clear
- Base designation E39 Mogul

FIXTURE REQUIREMENT
- E Rated-Enclosed, universal burning position

SPECTRAL DISTRIBUTION

LAMP MORTALITY

LUMEN MAINTENANCE
This lamp can cause serious skin burn and eye inflammation from short-wave 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 the outer envelope is broken or punctured are commercially available.

**WARNING**

- Turn power off before inspection, installation or removal
- Protect lamp from direct contact with liquids to avoid breakage from thermal shock
- Keep combustible materials away from lamp during operation
- Do not exceed rated ballast voltage
- Do not use lamp if outer glass is scratched or broken
- Do not use beyond rated life
- Do not turn on lamp until fully installed
- Use only with a fixture and ballast rated for this product
- Turn lamp off at least once a week for 15 minutes
- Electrically insulate any metal to glass support in fixture

**CAUTION**

- Allow lamp to cool before handling.
- Do not use excessive force when installing lamp
- Dispose of lamp in a closed container

**LAMP OPERATING INSTRUCTIONS**

This is a discharge lamp and requires some time to restart and come up to full brightness after a power interruption. If power supply dips or is interrupted, lamps may extinguish and not restart. Turn off power supply for 10-15 minutes and allow lamp to fully cool. Lamp will restart when power is restored.

Conforms to:
- USA: 21CFR1040.30
- Canada: ANSI 136.1-2000

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws
See: www.lamprecycle.org or 1-888-665-2677