**TECHNICAL BULLETIN**

**MERCURY LAMP**

**Self Ballasted Mercury Vapor**

250WSB/E28-MED

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**Features:**

- Ballast Not Required
- Screws Into Existing Incandescent Socket
- Improved Light Color
- Nickel Plated Base
- Long Life

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**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial lumens at rated watts after 100 hours operation</td>
<td>5000 lm</td>
</tr>
<tr>
<td>Mean lumens at 10 hours/start</td>
<td>3750 lm</td>
</tr>
<tr>
<td>Average life</td>
<td>12000 h</td>
</tr>
<tr>
<td>Warm up time (90% lumens)</td>
<td>4 min</td>
</tr>
<tr>
<td>Correlated color temperature</td>
<td>3200 K</td>
</tr>
<tr>
<td>Color rendering index</td>
<td>50</td>
</tr>
<tr>
<td>Operating Position</td>
<td>ANY</td>
</tr>
<tr>
<td>Time to hot re-start, maximum</td>
<td>15 min</td>
</tr>
</tbody>
</table>

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**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal lamp wattage</td>
<td>250 W</td>
</tr>
<tr>
<td>Nominal lamp voltage</td>
<td>210 V</td>
</tr>
<tr>
<td>Nominal starting lamp current</td>
<td>2.60 Arms</td>
</tr>
<tr>
<td>Nominal operating lamp current</td>
<td>2.15 Arms</td>
</tr>
<tr>
<td>Allowable Line Voltage Var.</td>
<td>+/- 5 %</td>
</tr>
<tr>
<td>Extinguishing Voltage</td>
<td>108 Vrms</td>
</tr>
</tbody>
</table>

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**PHYSICAL DESCRIPTION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum overall length</td>
<td>217 (8.54) mm (in)</td>
</tr>
<tr>
<td>Light center length</td>
<td>145 (5.71) mm (in)</td>
</tr>
<tr>
<td>Bulb diameter</td>
<td>90 (3.54) mm (in)</td>
</tr>
<tr>
<td>Base to bulb eccentricity (max)</td>
<td>3 deg</td>
</tr>
<tr>
<td>Maximum base temperature</td>
<td>190 (372) ºC (ºF)</td>
</tr>
<tr>
<td>Maximum bulb temperature</td>
<td>400 (752) ºC (ºF)</td>
</tr>
<tr>
<td>Bulb designation</td>
<td>E28</td>
</tr>
<tr>
<td>Bulb material</td>
<td>Borosilicate (Hard Glass)</td>
</tr>
<tr>
<td>Arc tube material</td>
<td>Quartz</td>
</tr>
<tr>
<td>Bulb finish</td>
<td>Phosphor coated</td>
</tr>
<tr>
<td>Base designation</td>
<td>Med. (E26)</td>
</tr>
</tbody>
</table>

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**ANSI Code**: B94

**Product Code**: 68290

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**Address**: 9150 Hendricks Rd., Mentor, OH 44060

**Phone**: 888-665-2677  **Fax**: 800-811-7395  **E-Mail**: sales@eyelighting.com

**Phone**: (440) 350-7000  **Fax**: (440) 350-7001  **Web**: www.eyelighting.com

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**June 8, 2009**

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**EYE LIGHTING INTERNATIONAL OF NORTH AMERICA, INC.**

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

**OSHAS 18001:2007 Certified  ISO 17025:2005 Accredited**

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**E5S-N-52-78-68290**
WARNING

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.

RISK OF ELECTRIC SHOCK
• Turn power off before inspection, installation or removal • Protect lamp from direct contact with liquids to avoid breakage from thermal shock

RISK OF FIRE
• Keep combustible materials away from lamp during operation

UNEXPECTED LAMP RUPTURE MAY CAUSE INJURY, FIRE, OR PROPERTY DAMAGE
• Do not exceed rated 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 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

RISK OF BURN
• Allow lamp to cool before handling.

LAMP MAY SHATTER AND CAUSE INJURY
• 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:

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