



# TECHNICAL BULLETIN

## HIGH PRESSURE SODIUM

**Ignitron™ EN  
LU1000B//EN**

**ANSI Code: S52**

**Product Code: 59718**

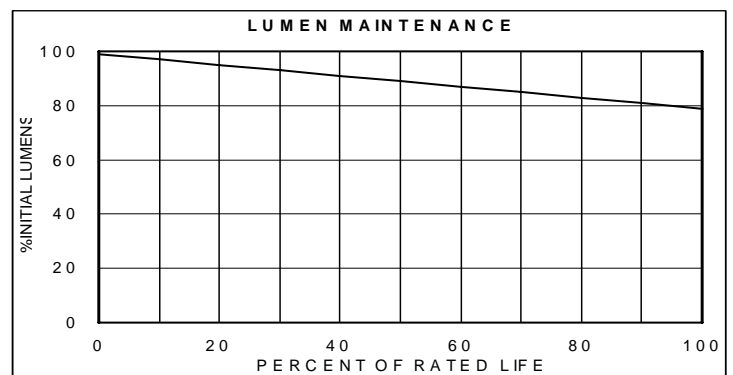
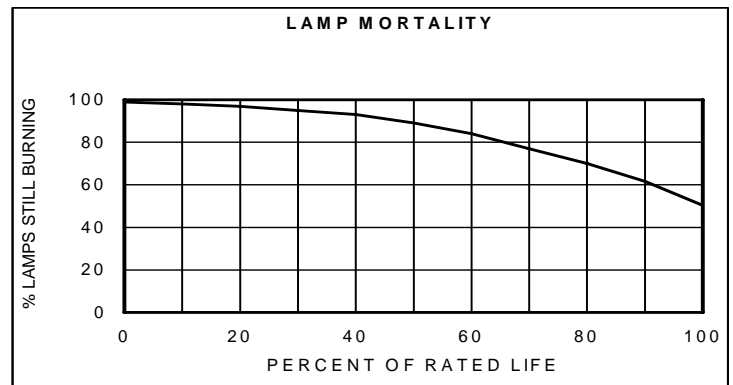
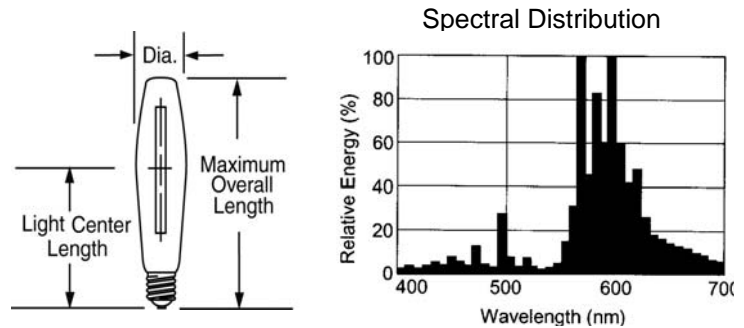
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Eliminates the need for replacement ignitor</li> <li>• EPA TCLP compliant for non-hazardous waste</li> <li>• FEC protects lighting system components</li> <li>• Dependable long life</li> </ul>	<ul style="list-style-type: none"> <li>• Universal burning position</li> <li>• Eliminates possible damage to ballast</li> <li>• Energy saving lamps available</li> </ul>
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PERFORMANCE DATA		
Initial lumens at rated watts after 100 hours operation	140000	lm
Mean lumens at 10 hours/start	126000	lm
Rated average life	24000	h
Warm up time (90% lumens)	5	min
Correlated color temperature	2100	K
CIE chromaticity	0.532, 0.403	X, Y
Color rendering index	25	
Operating Position	Any	
Hot Re-strike time	15	min

ELECTRICAL CHARACTERISTICS		
Nominal lamp wattage	1000	W
Nominal lamp voltage	250	V
Nominal lamp current	4.7	A <sub>rms</sub>
Current crest factor (max.)	1.8	
Max. starting current	8.0	A <sub>rms</sub>
Min. starting current	4.7	A <sub>rms</sub>
Ballast requirements	Use with ballast rated for S52 lamps	
Open circuit voltage		
-40°C (-40°F)	352 (490)	V <sub>rms</sub> (V <sub>peak</sub> )
Pulse requirements	External pulse not required	
Pulse Height/Number of pulses	Not Applicable	kV
Pulse Width	Not Applicable	μs
Socket rating	4	kV

PHYSICAL DESCRIPTION		
Maximum overall length	383 (15.1)	mm (in)
Light center length	222 (8.75)	mm (in)
Bulb diameter	79 (3.12)	mm (in)
Base to bulb eccentricity (max.)	3	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	E25	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	PCA	
Arc length	172 (6.77)	mm (in)
Bulb finish	Clear	
Base designation	Mogul (E39)	

EPA TCLP Compliant	Yes
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ISO 9001:2000 Certified    ISO 14001:2004 Certified  
**EYE LIGHTING INTERNATIONAL**  
**OF NORTH AMERICA, INC.**  
 A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

OSHA 18001:1999 Certified    ISO 17025:2005 Accredited

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**⚠ WARNING**

**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 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 fixture and ballast rated for this product.
- Electrically insulate any metal to glass support in fixture.

**⚠ CAUTION**

**RISK OF BURN:**


- • Allow lamp to cool before handling.
- • Contains sodium – Avoid skin contact with broken pieces.

**LAMP MAY SHATTER AND CAUSE INJURY IF BROKEN**

- • Do not use excessive force when installing lamp.
- • Dispose of lamp in an enclosed container.
- • Wear safety glasses and gloves when installing lamp.

**LAMP OPERATING INSTRUCTIONS**

IGNITRON LAMPS CONTAIN AN INTERNAL IGNITOR.

TO INSURE PROPER LAMP OPERATION AND MAINTAIN  FIXTURE LISTING, DISABLE THE FIXTURE IGNITOR AS PER INSTRUCTIONS LOCATED ON OUR WEBSITE:

[www.eyelighting.com](http://www.eyelighting.com), "Luminaire Conversions Retrofit Instructions."

**Hg-LAMP CONTAINS MERCURY**

Manage in Accord with Disposal Laws

See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-888-665-2677

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