



TECHNICAL BULLETIN

HIGH PRESSURE SODIUM

**Ignitron™ EN
LU1000B//EN**

ANSI Code: S52

Product Code: 59718

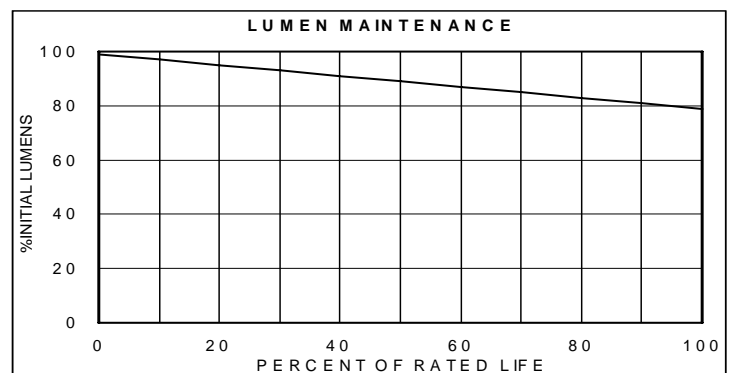
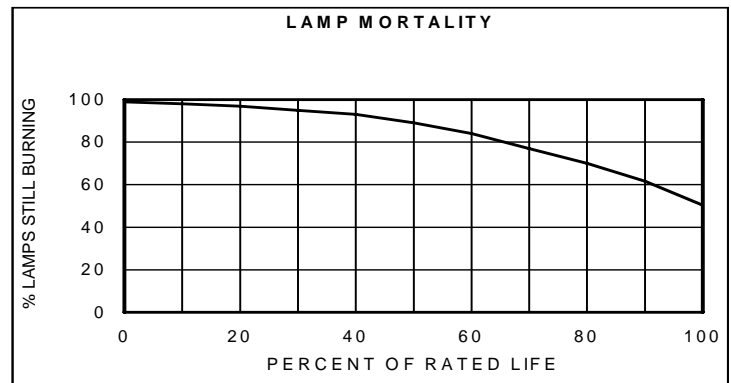
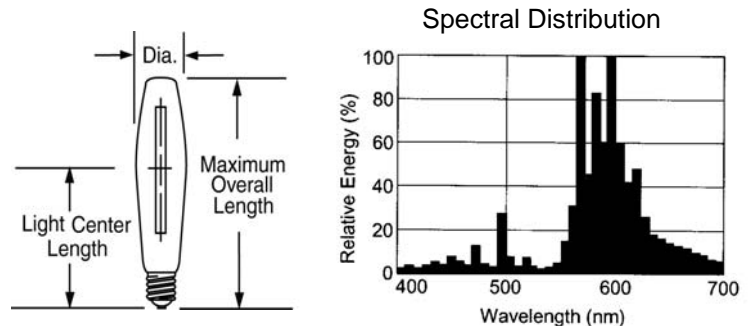
Features:	<ul style="list-style-type: none"> Eliminates the need for replacement ignitor EPA TCLP compliant for non-hazardous waste FEC protects lighting system components Dependable long life 	<ul style="list-style-type: none"> Universal burning position Eliminates possible damage to ballast
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PERFORMANCE 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 _{rms}
Current crest factor (max.)	1.8	
Max. starting current	8.0	A _{rms}
Min. starting current	4.7	A _{rms}
Ballast requirements	Use with ballast rated for S52 lamps	
Open circuit voltage		
-40°C (-40°F)	352 (490)	V _{rms} (V _{peak})
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 9001:2008 Certified

ISO 14001:2004 Certified

OSHAS 18001:2007 Certified

ISO 17025:2005 Accredited



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

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

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Phone: 888-665-2677 Fax: 800-811-7395 e-mail: sales@eyelighting.com

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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, "Luminaire Conversions Retrofit Instructions."

Hg-LAMP CONTAINS MERCURY

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

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