Features:
- Eliminates the need for replacement ignitor
- EPA TCLP compliant for non-hazardous waste
- FEC protects lighting system components
- Dependable long life
- Universal burning position
- Eliminates possible damage to ballast

INITIAL LUMENS AT RATED WATTS
after 100 hours operation: 4000 lm
Mean lumens at 10 hours/start: 3600 lm
Rated average life: 28500 h
Warm up time (90% lumens): 5 min
Correlated color temperature: 1900 K
CIE chromaticity: X=0.532, Y=0.403
Color rendering index: 17
Operating Position: Any
Hot Re-strike time: 15 min

ELECTRICAL CHARACTERISTICS
Nominal lamp wattage: 50 W
Nominal lamp voltage: 52 V
Nominal lamp current: 1.18 A<sub>rms</sub>
Current crest factor: 1.8
Max. starting current: 1.85 A<sub>rms</sub>
Min. starting current: 1.18 A<sub>rms</sub>
Ballast requirements: Use with ballast rated for S68 lamps
Open circuit voltage: -40°C (~-40°F) 102 (144) 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: 186 (7.3) mm (in)
Light center length: 127 (5.0) mm (in)
Bulb diameter: 75 (2.94) 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: ED23.5
Bulb material: Borosilicate (Hard Glass)
Arc tube material: PCA
Arc length: 17.5 (0.69) mm (in)
Bulb finish: Clear
Base designation: Mogul (E39)

ANSI Code: S68  Product Code: 59674
EPA TCLP Compliant: Yes

EYE LIGHTING INTERNATIONAL OF NORTH AMERICA, INC.
A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.
**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.

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**LAMP OPERATING INSTRUCTIONS**

IGNITRON LAMPS CONTAIN AN INTERNAL IGNITOR.
TO INSURE PROPER LAMP OPERATION AND MAINTAIN UL 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