TECHNICAL BULLETIN
MERCURY LAMP

Self Ballasted Mercury Vapor
250WSB/E28MOG

ANSI Code: 68339

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

PERFORMANCE DATA
- Initial lumens at rated watts after 100 hours operation: 5000 lm
- Mean lumens at 10 hours/start: 3750 lm
- Average life: 12000 h
- Warm up time (90% lumens): 4 min
- Correlated color temperature: 3200 K
- Color rendering index: 50
- Operating Position: ANY
- Time to hot re-start, maximum: 15 min

ELECTRICAL CHARACTERISTICS
- Nominal lamp wattage: 250 W
- Nominal lamp voltage: 120 V
- Nominal starting lamp current: 2.60 Arms
- Nominal operating lamp current: 2.15 Arms
- Allowable Line Voltage Var.: +/- 5%
- Extinguishing Voltage: 108 Vrms

PHYSICAL DESCRIPTION
- Maximum overall length: 217 (8.54) mm (in)
- Light center length: 152 (5.98) mm (in)
- Bulb diameter: 90 (3.54) mm (in)
- Base to bulb eccentricity (max): 3 deg
- Maximum base temperature: 210 (410) ºC (ºF)
- Maximum bulb temperature: 400 (752) ºC (ºF)
- Bulb designation: E28
- Bulb material: Borosilicate (Hard Glass)
- Arc tube material: Quartz
- Bulb finish: Phosphor coated
- Base designation: E39 Mogul
### 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.

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

Address: 9150 Hendricks Rd., Mentor, OH 44060
Phone: 888-66-LAMPS Fax: 800-811-7395 E-Mail: sales@eyelighting.com
Phone: (440) 350-7000 Fax: (440) 350-7001 Web: www.eyelighting