ANSI Code: Use with ballast rated for ANSI M59 lamp

<table>
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<tr>
<th>Features</th>
<th>Product Code: 57881</th>
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<td>High Color Rendering; CRI 90</td>
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<td>High Color Temperature; 6500K</td>
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<td>Operates on Standard Metal Halide CWA ballast</td>
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<td>Horizontal Operating Position</td>
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<td>Spectral Distribution Similar to Natural Sunlight</td>
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<td>Tubular Compact Design</td>
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**PERFORMANCE DATA**

- Initial lumens at rated watts after 100 hours operation: 29000 lm
- Mean lumens at 10 hours/start: 22000 lm
- Rated average life at10hrs/start: 12000 h
- Warm up time, maximum: 8 min
- Correlated color temperature: 6500 K
- CIE chromaticity: 0.310, 0.349 X, Y
- Color rendering index (Ra): 90
- Operating Position: HOR±15º
- Time to hot re-start, maximum: 15 max. min

**ELECTRICAL CHARACTERISTICS**

- Nominal lamp wattage: 400 W
- Nominal lamp voltage: 135 V
- Nominal lamp current: 3.3 A
- Maximum current crest factor: 1.8 -
- Maximum starting current: 5.0 A
- Minimum starting current: 3.3 A
- Ballast requirements: Use with ballast rated for ANSI M59 lamp
- Open circuit voltage (CWA): 280 Vrms, 504 Vpeak
- Pulse requirements: None

**PHYSICAL DESCRIPTION**

- Maximum overall length: 250 (9.843) mm (in)
- Light center length: 147 (5.787) mm (in)
- Bulb diameter: 55 (2.165) mm (in)
- Max. base - bulb eccentricity: 3 max. Degrees
- Maximum base temperature: 210 (410) ºC (°F)
- Maximum bulb temperature: 400 (752) ºC (°F)
- Bulb designation: T17
- Bulb material: Borosilicate (Hard Glass)
- Arc tube material: Quartz
- Effective arc length: 38 (1.496) mm (in)
- Bulb finish: Clear
- Base designation: E39 Mogul

**FIXTURE REQUIREMENT**

- E Rated - Enclosed fixture required

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**Spectral Distribution**

- Max. Overall Length
- Light Center Length
- Bulb Diameter
- Max. Base - Bulb Eccentricity
- Maximum Base Temperature
- Maximum Bulb Temperature
- Bulb Designation
- Bulb Material
- Arc Tube Material
- Effective Arc Length
- Bulb Finish
- Base Designation

**LAMP MORTALITY**

- % of Lamps Operating vs % of Rated Life

**LUMEN MAINTENANCE**

- % of Initial Luminance vs % of Rated Life
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 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 a fixture and ballast 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
Nominal lamp characteristics may vary for different ballast models.

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Conforms to:

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