



TECHNICAL BULLETIN HIGH PRESSURE SODIUM

Sunlux®
LU400

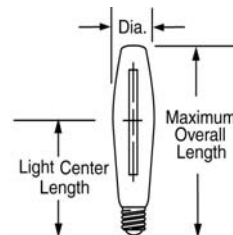
ANSI Code: S51

Product Code: 65769

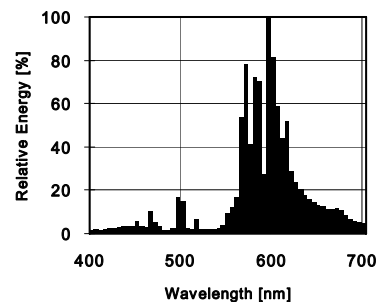
| | |
|------------------|--|
| Features: | • Long life |
| | • Low cost efficient lighting |
| | • Universal burning position |
| | • Nickel plated base w/ceramic insulator |

PERFORMANCE DATA

| | | |
|---|--------------|------|
| Initial lumens at rated watts after 100 hours operation | 50000 | lm |
| Mean lumens at 10 hours/start | 45000 | lm |
| Rated average life | 24000+ | h |
| Warm up time (90% lumens) | 5 | min |
| Correlated color temperature | 1900 | K |
| CIE chromaticity | 0.525, 0.415 | X, Y |
| Color rendering index | 22 | |
| Operating Position | Any | |
| Hot Re-strike time | <3 | min |



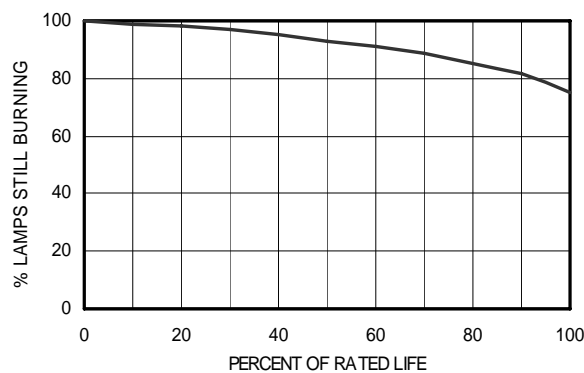
SPECTRAL DISTRIBUTION



ELECTRICAL CHARACTERISTICS

| | | |
|-----------------------------|--------------------------------------|-----------|
| Nominal lamp wattage | 400 | W |
| Nominal lamp voltage | 100 | V |
| Nominal lamp current | 4.6 | A_{rms} |
| Current crest factor (max.) | 1.80 | |
| Max. starting current | 7.5 | A_{rms} |
| Min. starting current | 4.6 | A_{rms} |
| Ballast requirements | Use with ballast rated for S51 lamps | |

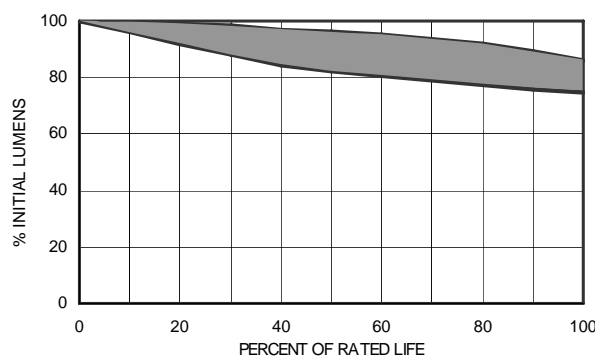
LAMP MORTALITY



PHYSICAL DESCRIPTION

| | | |
|----------------------------------|---------------------------|---------|
| Maximum overall length | 248 (9.76) | mm (in) |
| Light center length | 146 (5.75) | mm (in) |
| Bulb diameter | 57 (2.20) | 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 | ED18 | |
| Bulb material | Borosilicate (Hard Glass) | |
| Arc tube material | PCA | |
| Arc length | 57 (2.24) | mm (in) |
| Bulb finish | Clear | |
| Base designation | Mogul (E39) | |

LUMEN MAINTENANCE



OSHAS 18001:2007 Certified ISO 17025:2005 Accredited ISO 9001:2008 Certified ISO 14001:2004 Certified



Address: 9150 Hendricks Rd., Mentor, OH 44060
Phone: 888-88-LAMPS Fax: 800-811-7395 E-Mail: sales@eyelighting.com
Phone: (440) 350-7000 Fax: (440) 350-7001 www.eyelighting.com



⚠ 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.

Note: All information subject to change without notice.

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

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