TECHNICAL BULLETIN
HIGH PRESSURE SODIUM

Sunlux® EN
LU400/EN

ANSI Code: S51
Product Code: 65761

Features:
• Long life
• Low cost efficient lighting
• Nickel plated base w/ceramic insulator
• Universal burning position
• EPA TCLP compliant for non-hazardous waste
• Green (EN) date code on base 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

EPA TCLP Compliant Yes

SPECTRAL DISTRIBUTION

0 20 40 60 80 100
Relative Energy [%]

400 500 600 700
Wavelength [nm]

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

% LAMPS STILL BURNING

PERCENT OF RATED LIFE

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 ET18
Bulb material Borosilicate (Hard Glass)
Arc tube material PCA
Arc length 57 (2.24) mm (in)
Bulb finish Clear
Base designation Mogul (E39)
## 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