



# TECHNICAL BULLETIN HIGH PRESSURE SODIUM

## Sunlux® EN LU100/EN

ANSI Code: S54

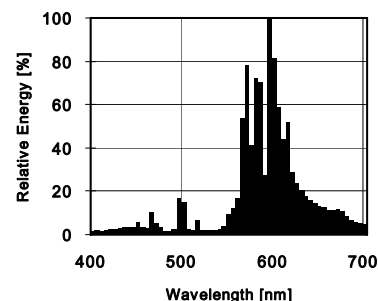
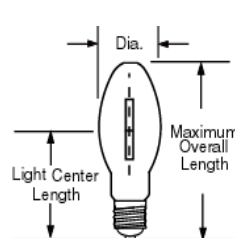
Product Code: 65075

<b>Features:</b>	<ul style="list-style-type: none"> <li>• Long life</li> <li>• Low cost efficient lighting</li> <li>• Nickel plated base w/ceramic insulator</li> </ul>	<ul style="list-style-type: none"> <li>• Universal burning position</li> <li>• EPA TCLP compliant for non-hazardous waste (EN)</li> <li>• Green (EN) date code on base insulator</li> </ul>
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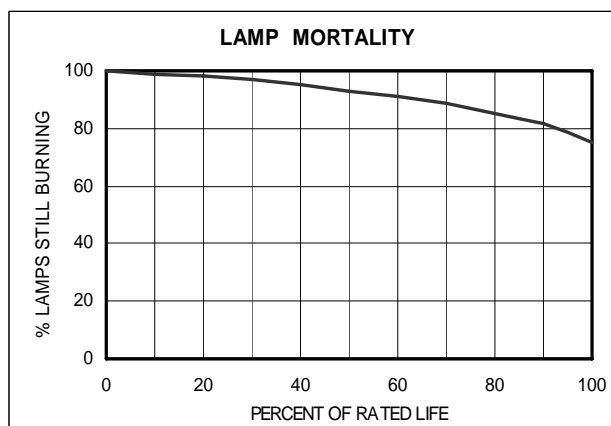
PERFORMANCE DATA		
Initial lumens at rated watts after 100 hours operation	9500	lm
Mean lumens at 10 hours/start	8000	lm
Rated average life	24000+	h
Warm up time (90% lumens)	5	min
Correlated color temperature	1900	K
CIE chromaticity	0.525, 0.415	X, Y
Color rendering index	22	
Operating Position	Any	
Hot Re-strike time	<3	min

EPA TCLP Compliant	Yes
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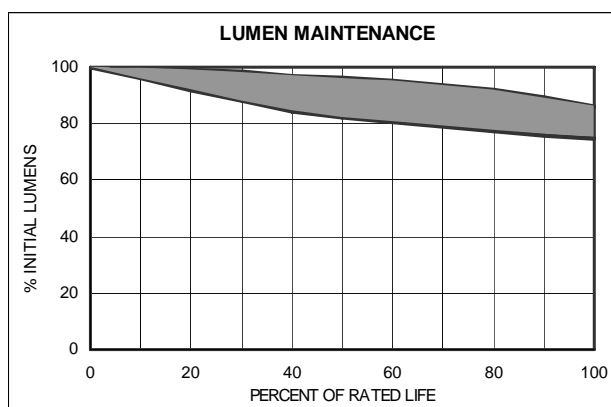
### SPECTRAL DISTRIBUTION



ELECTRICAL CHARACTERISTICS		
Nominal lamp wattage	100	W
Nominal lamp voltage	55	V
Nominal lamp current	2.1	$A_{rms}$
Current crest factor (max.)	1.80	
Max. starting current	3.2	$A_{rms}$
Min. starting current	2.1	$A_{rms}$
Ballast requirements	Use with ballast rated for S54 lamps	



PHYSICAL DESCRIPTION		
Maximum overall length	197 (7.75)	mm (in)
Light center length	127 (5.00)	mm (in)
Bulb diameter	74.6 (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	36 (1.4)	mm (in)
Bulb finish	Clear	
Base designation	Mogul (E39)	



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



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 Phone: (440) 350-7000 Fax: (440) 350-7001 [www.eyelighting.com](http://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](http://www.lamprecycle.org) or 1-888-665-2677

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**EYE LIGHTING**  
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