



# TECHNICAL BULLETIN

## HIGH PRESSURE SODIUM

Sunlux®  
LU100

ANSI Code: S54

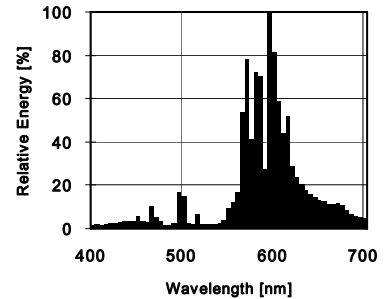
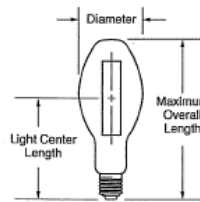
Product Code: 65088

<b>Features:</b>	• 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	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

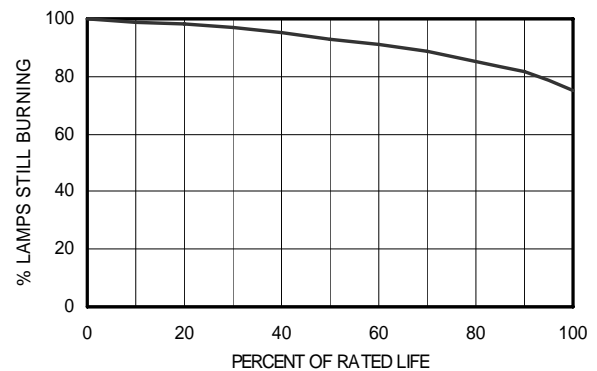
### SPECTRAL DISTRIBUTION



### 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	

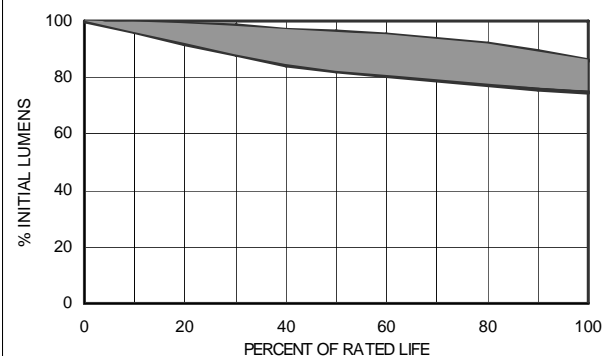
### LAMP MORTALITY



### 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)	

### 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  
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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](http://www.lamprecycle.org) or 1-888-665-2677

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