



TECHNICAL BULLETIN HIGH PRESSURE SODIUM

Sunlux®
LU50

ANSI Code: S68

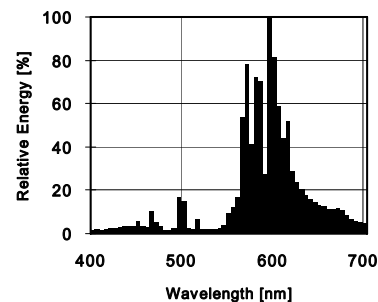
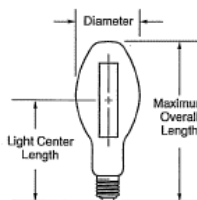
Product Code: 65863

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	4000	lm
Mean lumens at 10 hours/start	3600	lm
Rated average life	24000+	h
Warm up time (90% lumens)	5	min
Correlated color temperature	1900	K
CIE chromaticity	0.525, 0.403	X, Y
Color rendering index	22	
Operating Position	Any	
Hot Re-strike time	<3	min

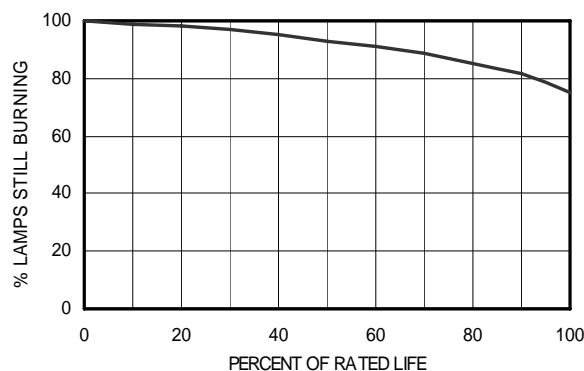
SPECTRAL DISTRIBUTION



ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	50	W
Nominal lamp voltage	52	V
Nominal lamp current	1.18	A_{rms}
Current crest factor (max.)	1.80	
Max. starting current	1.85	A_{rms}
Min. starting current	1.18	A_{rms}
Ballast requirements	Use with ballast rated for S68 lamps	

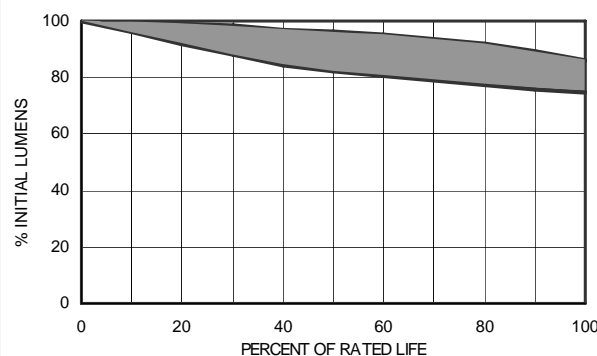
LAMP MORTALITY



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	20 (0.80)	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: 888-66-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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