



TECHNICAL BULLETIN

HIGH PRESSURE SODIUM

Sunlux®
LU50/MED

ANSI Code: S68

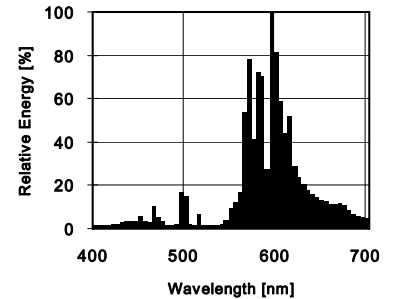
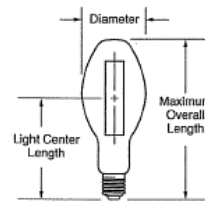
Product Code: 66006

Features:	• Long life	
	• Low cost efficient lighting	
	• Universal burning position	
	• Nickel Plated Base	

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, 0.415	X, Y
Color rendering index	22	
Operating Position	Any	
Hot Re-strike time	<3	min

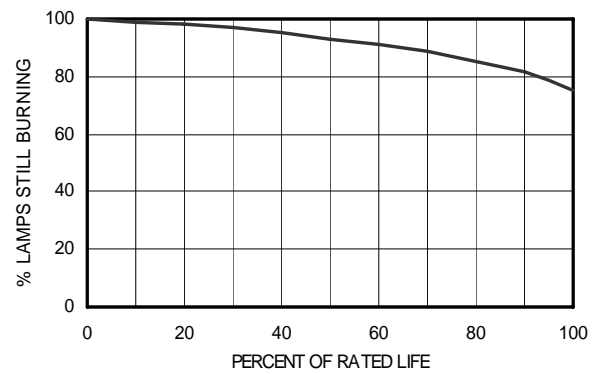
SPECTRAL DISTRIBUTION



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	

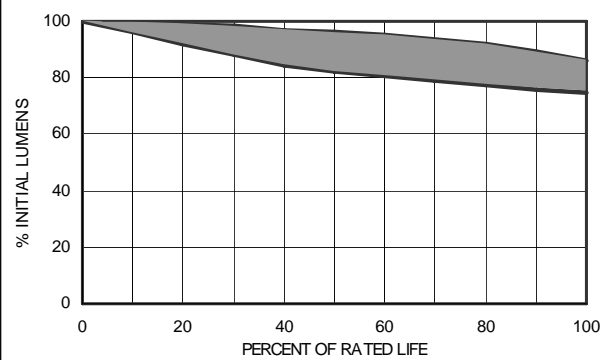
LAMP MORTALITY



PHYSICAL DESCRIPTION

Maximum overall length	138 (5.43)	mm (in)
Light center length	87 (3.42)	mm (in)
Bulb diameter	54 (2.13)	mm (in)
Base to bulb eccentricity (max.)	3	Degrees
Maximum base temperature	190 (374)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	ED17	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	PCA	
Arc length	20 (0.80)	mm (in)
Bulb finish	Clear	
Base designation	Medium (E26)	

LUMEN MAINTENANCE



ISO 9001:2000 Certified ISO 14001:2004 Certified

OSHAS 18001:1999 Certified ISO 17025:2005 Accredited



EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

Address: 9150 Hendricks Rd., Mentor, OH 44060

Phone: 888-665-2677 Fax: 800-811-7395 e-mail: sales@eyelighting.com

Phone: (440) 350-7000 Fax: (440) 350-7001 Web: www.eyelighting.com

March 3, 2008



⚠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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