



TECHNICAL BULLETIN MERCURY LAMP

Self Ballasted Mercury Vapor 750WSB/BT46W

ANSI Code:

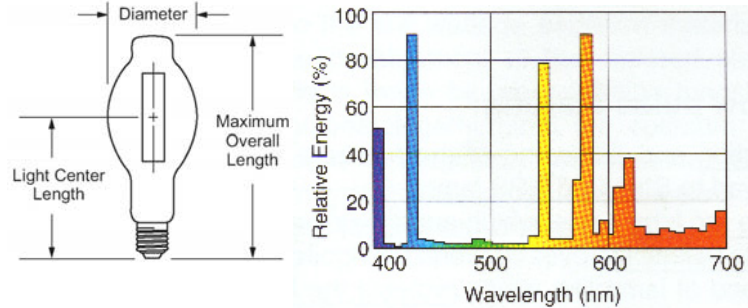
Product Code: 68682

Features:

- Ballast Not Required
- Screws Into Existing Incandescent Socket
- Improved Light Color
- Nickel Plated Base
- Long Life

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	19000	lm
Mean lumens at 10 hours/start	14250	lm
Average life	16000	h
Warm up time (90% lumens)	4	min
Correlated color temperature	3200	K
Color rendering index	45	
Operating Position	ANY	
Time to hot re-start, maximum	15	min



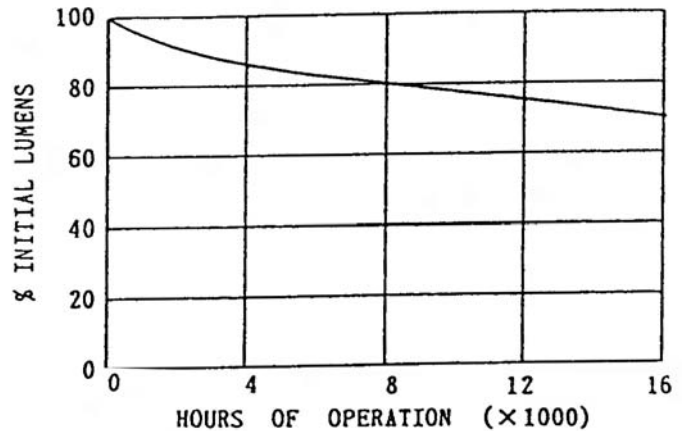
ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	750	W
Nominal lamp voltage	120	V
Nominal starting lamp current	8.80	Arms
Nominal operating lamp current	6.50	Arms
Allowable Line Voltage Var.	+/- 5	%
Extinguishing Voltage	108	Vrms

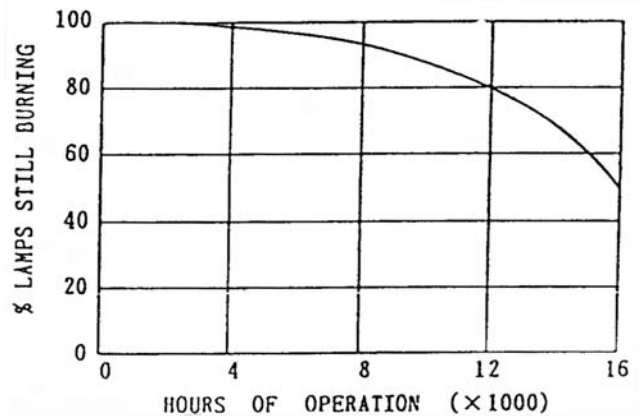
PHYSICAL DESCRIPTION

Maximum overall length	371 (14.61)	mm (in)
Light center length	240 (9.45)	mm (in)
Bulb diameter	150 (5.91)	mm (in)
Base to bulb eccentricity (max)	3	deg
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	BT46	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	Quartz	
Bulb finish	Phosphor coated	
Base designation	E39 Mogul	

LUMEN MAINTENANCE



LAMP MORTALITY



ISO 9001:2008 Certified ISO 14001:2004 Certified

OSHAS 18001:2007 Certified ISO 17025:2005 Accredited



**EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.**

A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

EQS-N-52-78-68682

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TECHNICAL BULLETIN

MERCURY LAMP

Self Ballasted Mercury Vapor
750WSB/BT46W

⚠WARNING

This lamp can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available.

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 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 a fixture rated for this product
- Turn lamp off at least once a week for 15 minutes
- Electrically insulate any metal to glass support in fixture

⚠CAUTION

RISK OF BURN

- Allow lamp to cool before handling.

LAMP MAY SHATTER AND CAUSE INJURY

- Do not use excessive force when installing lamp
- Dispose of lamp in a closed container

LAMP OPERATING INSTRUCTIONS

This is a discharge lamp and requires some time to restart and come up to full brightness after a power interruption. If power supply dips or is interrupted, lamps may extinguish and not restart. Turn off power supply for 10-15 minutes and allow lamp to fully cool. Lamp will restart when power is restored.

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Conforms to:
USA: 21CFR1040.30 Canada: ANSI 136.1-2000

- LAMP CONTAINS MERCURY. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-888-665-2677.



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