



# TECHNICAL BULLETIN MERCURY LAMP

## Self Ballasted Mercury Vapor 160WHSB/E24W

ANSI Code: B87

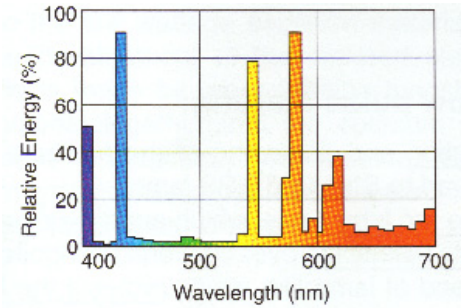
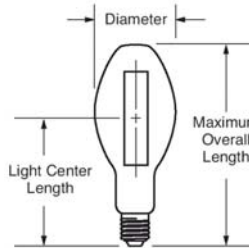
Product Code: 67996

**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	2550	lm
Mean lumens at 10 hours/start	1910	lm
Average life	12000	h
Warm up time (90% lumens)	4	min
Correlated color temperature	3200	K
Color rendering index	60	
Operating Position	ANY	
Time to hot re-start, maximum	15	min



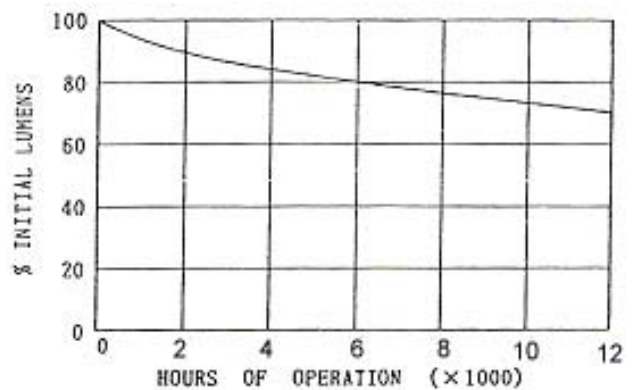
### ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	160	W
Nominal lamp voltage	120	V
Nominal starting lamp current	1.63	Arms
Nominal operating lamp current	1.36	Arms
Allowable Line Voltage Var.	+/- 5	%
Extinguishing Voltage	108	Vrms

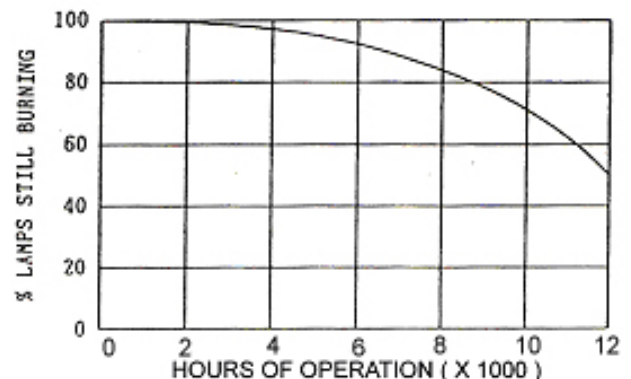
### PHYSICAL DESCRIPTION

Maximum overall length	175 (6.89)	mm (in)
Light center length	118 (4.65)	mm (in)
Bulb diameter	75 (2.95)	mm (in)
Base to bulb eccentricity (max)	3	deg
Maximum base temperature	190 (374)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	E24	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	Quartz	
Bulb finish	Phosphor coated	
Base designation	E26 Medium	

### 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.**

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# TECHNICAL BULLETIN

## MERCURY LAMP

Self Ballasted Mercury Vapor  
160WHSB/E24W

### ⚠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.

**R**

Conforms to:

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



- 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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