



# TECHNICAL INFORMATION BULLETIN

## Metal Halide

Order Code: **15216**

Description: **MF360SX/BU/I EYE**

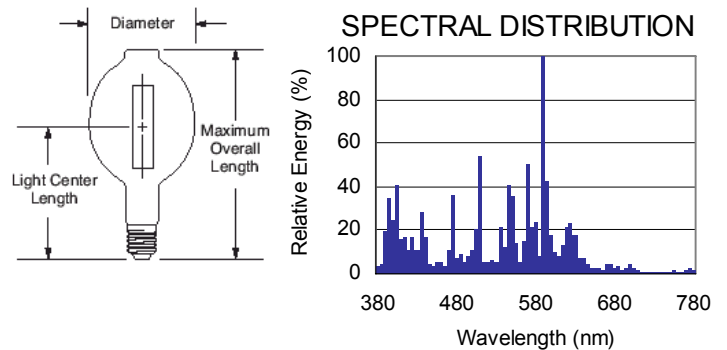
### ANSI Code: M165/M59/S

#### Features:

- Energy Saving, Position Oriented Metal Halide
- High initial and maintained lumens
- Superior lamp to lamp color consistency
- Nickel-plated base
- FEC (Internal Ignitor) technology

### PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	33200	lm
Mean lumens at 10 hours/start	26560	lm
Rated average life at 120hrs/start	30000	h
Rated average life at 10hrs/start	20000	h
Warm up time, maximum	4	min
Correlated color temperature	3700	K
CIE chromaticity	0.399, 0.397	X, Y
Color rendering index (Ra)	70	
Operating Position	Base Up $\pm 15^\circ$	
Time to hot re-start, maximum	15	min



### ELECTRICAL CHARACTERISTICS

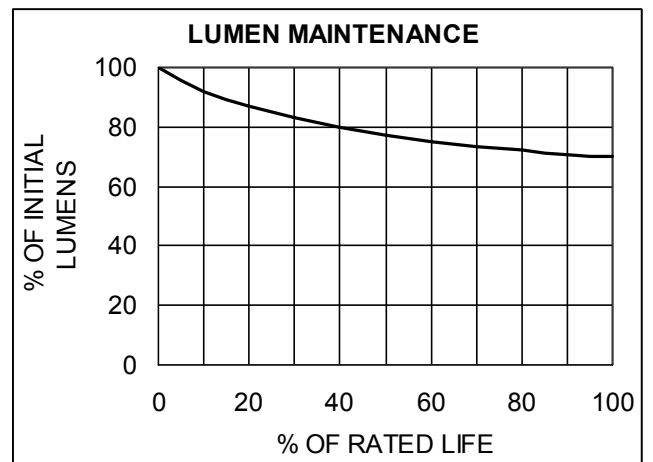
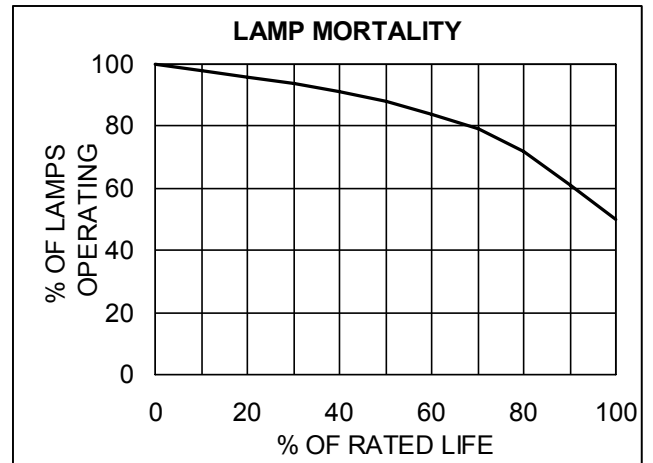
Nominal lamp wattage	360	W
Nominal lamp voltage	135	V
Nominal lamp current	3.25	A <sub>rms</sub>
Maximum current crest factor	1.8	-
Maximum starting current	5.0	A <sub>rms</sub>
Minimum starting current	3.3	A <sub>rms</sub>
Ballast requirements	Use with ballast rated for ANSI M165 or M59 lamp	
Open circuit voltage (CWA) -30°C (-22°F)	382	V <sub>rms</sub>
	540	V <sub>peak</sub>
Pulse requirements	None	

### PHYSICAL DESCRIPTION

Maximum overall length	291 (11.451)	mm (in)
Light center length	N/A	mm (in)
Bulb diameter	117 (4.625)	mm (in)
Max. base - bulb eccentricity	3	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	BT37	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	Quartz	
Effective arc length	N/A	mm (in)
Bulb finish	Phosphor Coated	
Base designation	E39 Mogul	

### FIXTURE REQUIREMENT

S Rated - Open or enclosed fixtures. Operating position restricted to base up  $\pm 15^\circ$  of vertical.





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### **⚠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 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 a fixture and ballast rated for this product
- Electrically insulate any metal to glass support in fixture
- Use in luminaires that do not exceed ANSI maximum lamp voltage rise limit

### **⚠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
- Wear safety glasses and gloves when installing lamp

**R**

Conforms to:  
USA: 21CFR1040.30

#### **Hg-LAMP CONTAINS MERCURY**

Manage in Accord with Disposal Laws

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