



# TECHNICAL BULLETIN METAL HALIDE

## EYE Multi Metal™ MP150/U/3K

ANSI Code: M102/O

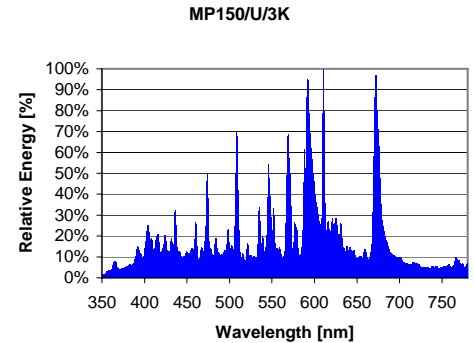
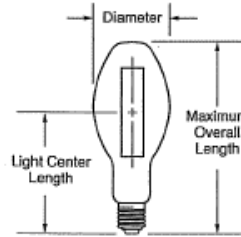
Product Code: 56699

**Features:**

- Open Fixture Rated
- Superior lamp to lamp color consistency
- High initial and maintained lumens
- Universal burning position

### PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	12900	lm
Mean lumens at 10 hours/start	10000	lm
Rated average life	15,000 V 10,000 H	h
Warm up time, maximum	4	min
Correlated color temperature	3000	K
CIE chromaticity	0.426, 0.382	X, Y
Color rendering index (Ra)	75	
Operating Position	Universal	
Time to hot re-start, typical	15-20	min



### ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	150	W
Nominal lamp voltage	95	V
Nominal lamp current	1.8	A <sub>rms</sub>
Maximum current crest factor	1.8	-
Maximum starting current	3.0	A <sub>rms</sub>
Minimum starting current	1.8	A <sub>rms</sub>
Ballast requirements	Use with ballast rated for ANSI M102/O lamp	
Open circuit voltage (CWA) -30°C (-22°F)	235	V <sub>rms</sub>
	332	V <sub>peak</sub>
Pulse requirements	3kV -4kV max.	
Lampholder voltage rating	4	kV

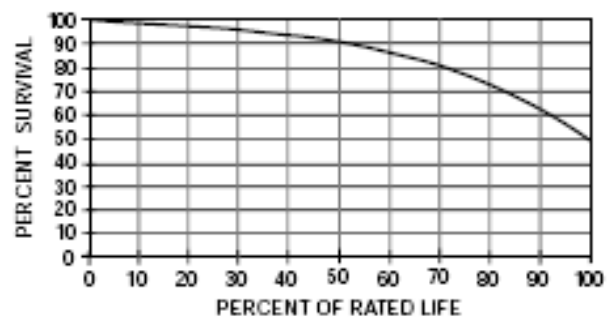
### PHYSICAL DESCRIPTION

Maximum overall length	138 (5.34)	mm (in)
Light center length	86 (3.39)	mm (in)
Bulb diameter	54 (2.125)	mm (in)
Max. base - bulb eccentricity	3	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	E17	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	Quartz	
Effective arc length	16.5 (0.65)	mm (in)
Bulb finish	Clear	
Base designation	E26 Medium	

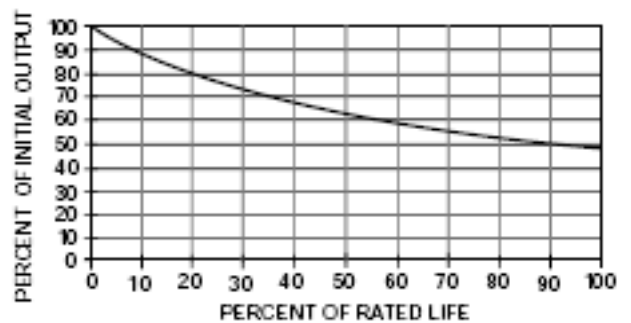
### FIXTURE REQUIREMENT

O Rated – Open Fixture Permissible

### Typical Mortality Curve



### Typical Lumen Depreciation



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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**⚠ 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 luminaries that do not exceed ANSI maximum lamp voltage rise limit
- Turn lamp off at least once a week for 15 minutes

**⚠ 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

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