



TECHNICAL BULLETIN

CERAMIC METAL HALIDE

EYE Cera Arc®
CM150/U/837/MOG/EN

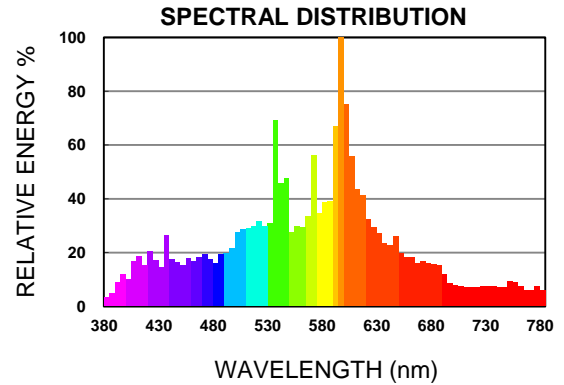
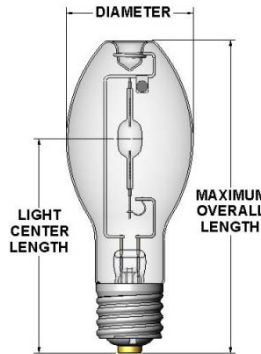
ANSI Code: For use with M102/M142/S56 ballast

Product Code: 55154

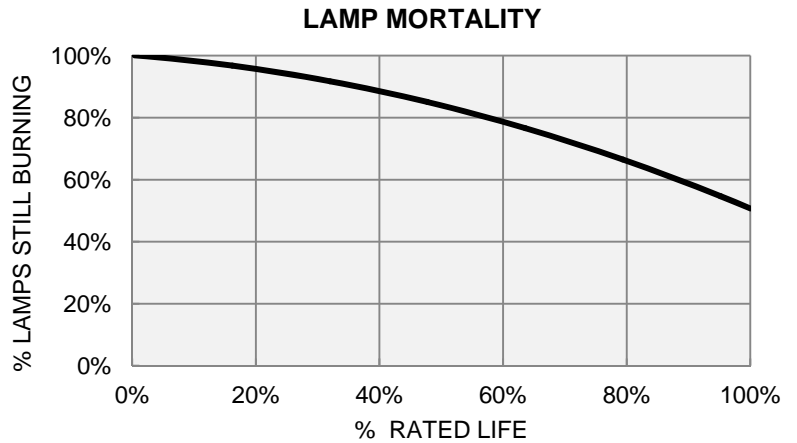
FEATURES:

- High initial and maintained lumens
- Long life
- Superior lamp to lamp color consistency
- High Color Rendering
- TCLP compliant

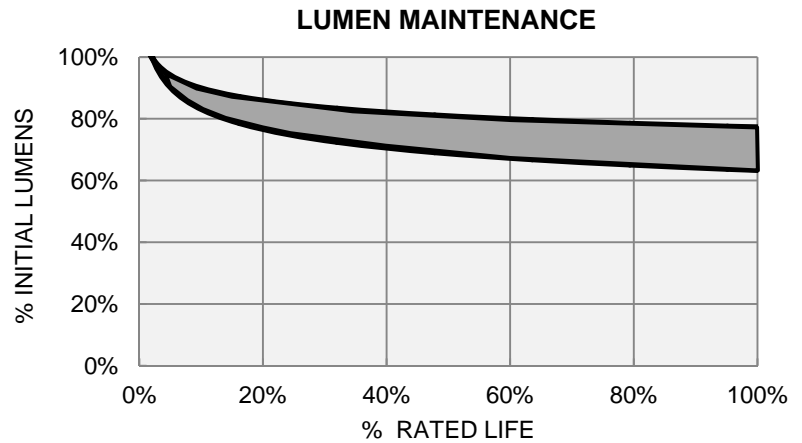
PERFORMANCE DATA		
Initial lumens at rated watts after 100 hours operation	17,500(H) 15,000(V)	lm
Mean lumens at 11 hours/start	14,000(H) 12,000(V)	lm
Rated average life	24,000	hr
Warm-up time (90%lumens)	<4	min
Correlated color temperature	3700	°K
CIE chromaticity	0.39, 0.41	X, Y
Color rendering index [Ra]	75	
Operating position	Universal	
Time to hot re-start (max)	15	min



ELECTRICAL CHARACTERISTICS		
Nominal lamp wattage ¹	150	W
Nominal lamp voltage ²	95/100	V
Nominal lamp current	1.8	A _{RMS}
Current crest factor	1.8	Max
Ballast requirements	Use with ballast rated for ANSI M102/M142/S56 lamp	
Pulse requirements	ANSI M102/M142/S56	



PHYSICAL DESCRIPTION		
Maximum overall length	190(7.48)	mm (in)
Light center length	127(5.00)	mm (in)
Bulb diameter	75(2.94)	mm (in)
Base to bulb eccentricity	3°	max
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	ED23.5	
Bulb material	Borosilicate (hard glass)	
Arc tube material	PCA	
Effective arc length	14(0.55)	mm (in)
Bulb finish	Clear	
Base designation	Mog	



FIXTURE REQUIREMENT
E Rated - Enclosed fixture

¹ Nominal lamp wattage may be lower by up to 15% in vertical operation

² 100V for S56 ballast

EYE Lighting International of North America, Inc.
a division of Iwasaki Electric of Japan

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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 •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
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Hg	Lamp contains Mercury. Manage in Accord with Disposal Laws
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