



TECHNICAL BULLETIN

CERAMIC METAL HALIDE

EYE Cera Arc®

CMT250/U/737/LU/MOG

ANSI CODE For use with S50 ballast

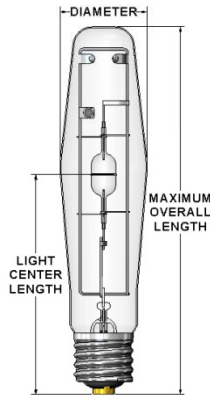
Product Code: 55102

FEATURES:

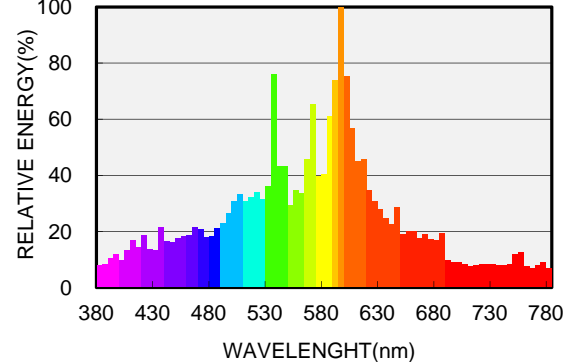
- 24,000 hour long life
- Operates on standard HPS ballast
- Universal burning position
- High initial and maintained lumens
- Superior lamp to lamp color consistency
- Nickel plated base

PERFORMANCE DATA

Initial lumens	33,000(H) 28,000(V)	lm
Mean lumens at 11 hours/start	28,100(H) 23,800(V)	lm
Rated average life	24,000	hr
Warm-up time (90%lumens)	<4	min
Correlated color temperature	3,700	°K
CIE Chromaticity	0.41, 0.42	X,Y
Color rendering index [Ra]	75(H) 70(V)	
Operating position	Universal	
Time to re-start (max)	<15	min



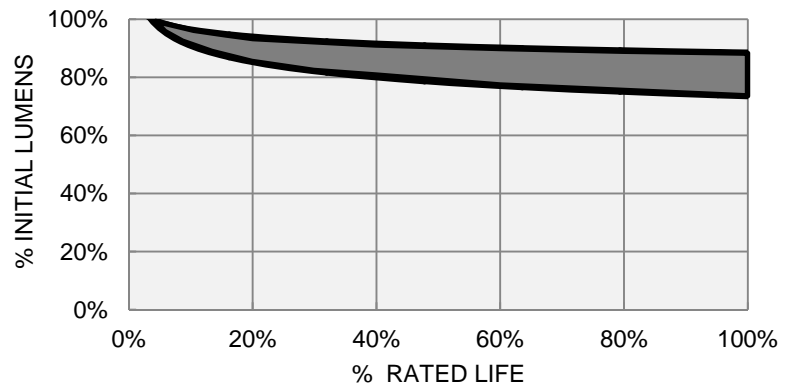
SPECTRAL DISTRIBUTION



ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	250	W
Nominal lamp voltage	100	V
Nominal lamp current	3.0	A _{RMS}
Current crest factor	1.8	Max
Ballast requirements	Use with ballast rated for ANSI S50 lamp	
Pulse requirements	ANSI S50	

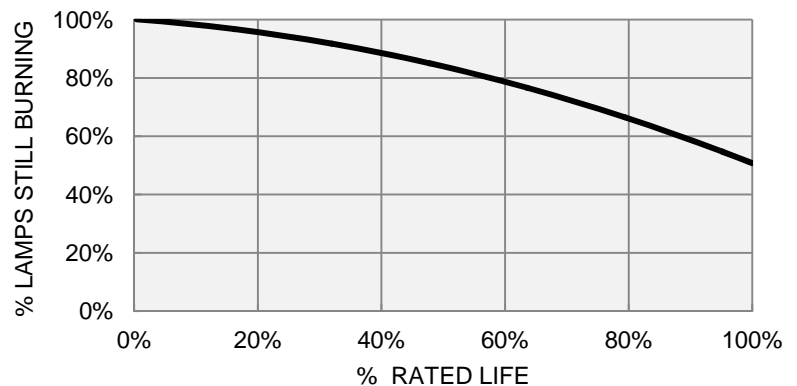
LUMEN MAINTENANCE



PHYSICAL DESCRIPTION

Effective arc length	19(0.75)	mm (in)
Maximum overall length	248 (9.763)	mm (in)
Light center length	146 (5.748)	mm (in)
Bulb diameter	58.3 (2.295)	mm (in)
Base to bulb eccentricity	3°	max
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	ET18	
Bulb material	Borosilicate (hard glass)	
Arc tube material	PCA	
Bulb finish	Clear	
Base designation	E39	

LAMP MORTALITY



FIXTURE REQUIREMENTS

E Rated - Enclosed fixture

OSHAS 18001:2007 Certified ISO 17025:2005 Accredited ISO 9001:2008 Certified ISO 14001:2004 Certified



Address: 9150 Hendricks Rd., Mentor, OH 44060
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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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