



TECHNICAL BULLETIN

HPS / METAL HALIDE

EYE HORTILUX™
LU1000MH/HTL/EN

ANSI Code: Use with ballast rated for ANSI S52 lamp

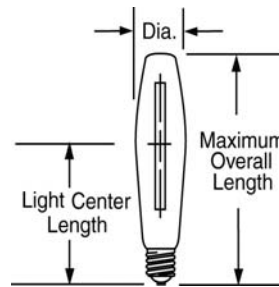
Product Code: 62800

Features:

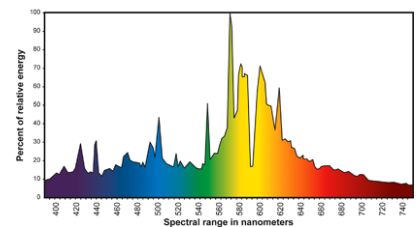
- Super HPS (High Pressure Sodium) arc tube and Metal Halide Blue arc tube in one lamp
- Horizontal Burn Position
- The benefits of HPS and Metal Halide together: vigorous vegetative growth, accelerated growth and hearty flowering!

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	110000	lm
Mean lumens at 10 hours/start	85,000	lm
Rated average life at 10hrs/start	10,000	h
Warm up time, maximum	8	min
Correlated color temperature	3000	K
CIE chromaticity	.424, .386	X, Y
Color rendering index (Ra)	65	
Operating Position	HOR +/- 30 deg.	
Time to hot re-start, maximum	15 max.	min



Spectral Distribution for LU1000MH/HTL/EN



ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	1000	W
Nominal lamp voltage	260	V
Nominal lamp current	4.2	A _{rms}
Maximum current crest factor	1.8	-
Maximum starting current	8.0	A _{rms}
Minimum starting current	4.7	A _{rms}
Ballast requirements	Use with ballast rated for ANSI S52 lamp	
Open circuit voltage (CWA) -30°C (-22°F)	435	V _{rms}
	730	V _{peak}
Pulse requirements	3kV minimum, 5kV maximum	

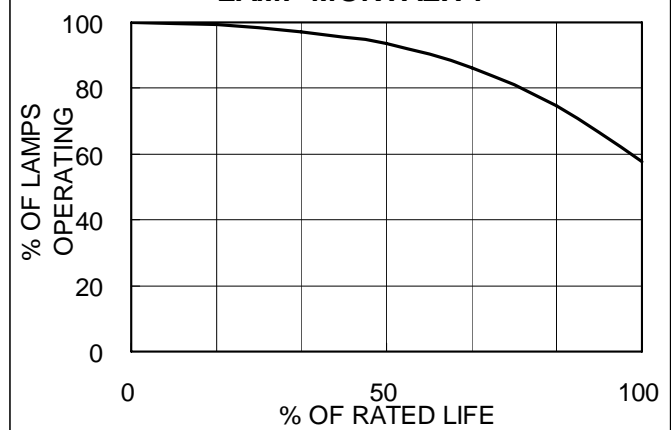
PHYSICAL DESCRIPTION

Maximum overall length	383 (15.079)	mm (in)
Light center length	222 (8.740)	mm (in)
Bulb diameter	79 (3.110)	mm (in)
Max. base - bulb eccentricity	3 max.	Degrees
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	400 (752)	°C (°F)
Bulb designation	E25	
Bulb material	Borosilicate (Hard Glass)	
Arc tube material	Quartz and PCA	
Bulb finish	Clear	
Base designation	E39 Mogul	
EPA TCLP Compliant	Yes	

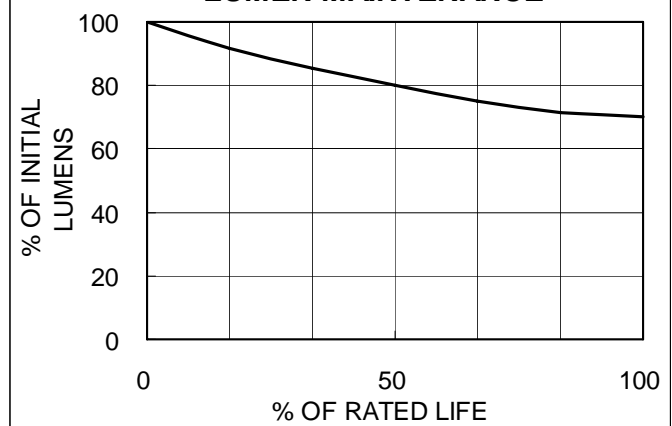
FIXTURE REQUIREMENT

E Rated - Enclosed fixture required

LAMP MORTALITY



LUMEN MAINTENANCE



ISO 9001:2000 Certified



EYE LIGHTING INTERNATIONAL
OF NORTH AMERICA, INC.
A SUBSIDIARY OF IWASAKI ELECTRIC CO., LTD.

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Web: www.eyelighting.com



⚠ 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.
- Contains sodium – Avoid skin contact with broken pieces.

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

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.

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Conforms to:
USA: 21CFR1040.30

Hg-LAMP CONTAINS MERCURY

Manage in Accord with Disposal Laws

See: www.lamprecycle.org or 1-888-665-2677

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