



TECHNICAL BULLETIN

METAL HALIDE

EYE Pulse Start
M750X/U/PS/BT37

ANSI CODE: M149/E

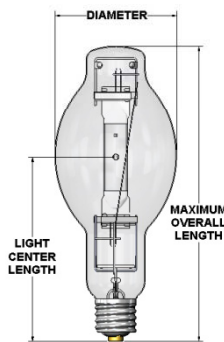
Product Code: 53440

FEATURES:

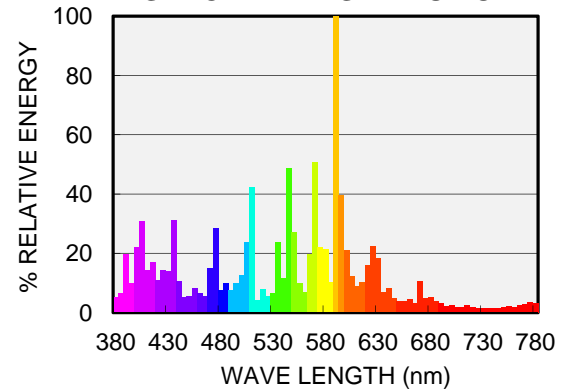
- High Output, Universal Metal Halide
- High initial and maintained lumens
- Pulse Start Performance
- Nickel plated base with ceramic insulator
- Superior lamp to lamp color consistency

PERFORMANCE DATA

Initial lumens at rated watts after 100 hours operation	82000 (V) 78000 (H)	lm
Mean lumens at 11 hours/start	64000 (V) 60000 (H)	lm
Rated average life	16000 (V) 12000 (H)	hr
Warm-up time	<4	min
Correlated color temperature	4000	K
CIE chromaticity	0.384, 0.396	x, y
Color rendering index (CRI)	65	
Operating position	Universal	
Hot restrike time	8	min



SPECTRAL DISTRIBUTION



ELECTRICAL CHARACTERISTICS

Nominal lamp wattage	750	W
Nominal lamp voltage	200	V _{rms}
Nominal lamp current	4	A _{rms}
Ballast requirements	Use with ballast rated for ANSI M149 lamp	

PHYSICAL DESCRIPTION

Effective arc length	67 (2.64)	mm (in)
Maximum overall length	291 (11.5)	mm (in)
Light center length	178 (7.0)	mm (in)
Bulb diameter	118 (4.6)	mm (in)
Maximum base temperature	210 (410)	°C (°F)
Maximum bulb temperature	430 (806)	°C (°F)
Bulb designation	BT37	
Bulb material	Borosilicate (hard glass)	
Arc tube material	Quartz	
Bulb finish	Clear	
Base designation	E39 Mogul	

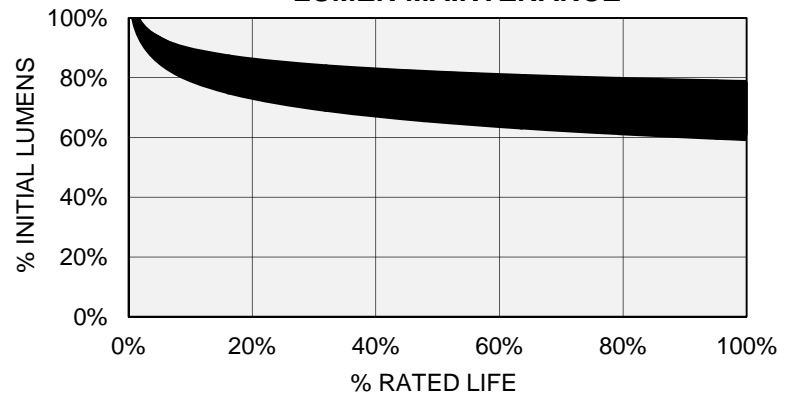
FIXTURE REQUIREMENT

E Rated - Enclosed fixture

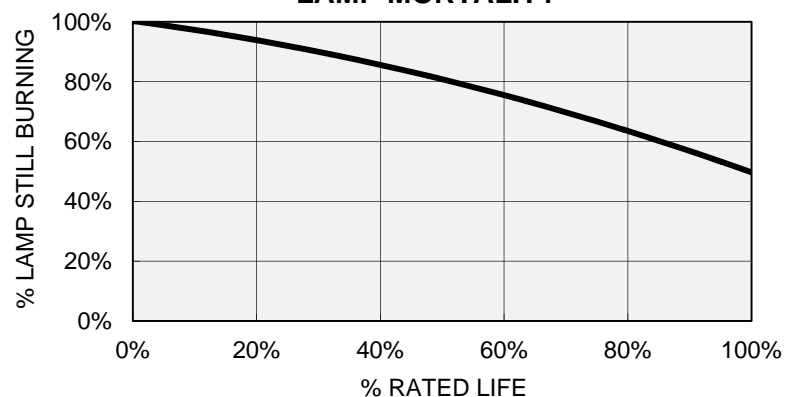
ENVIRONMENTAL

Mercury (Hg) Content (max.)	97	mg
Picogram per Lumen Hour	95	pg/LuHr

LUMEN MAINTENANCE



LAMP MORTALITY



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



Address: 9150 Hendricks Rd., Mentor, OH 44060
 Phone: 888-66-LAMPS Fax: 800-811-7395 E-Mail: sales@eyelighting.com
 Phone: (440) 350-7000 Fax: (440) 350-7001 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.

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 immediately.

R **Conforms to:**
USA: 21CFR1040.30 Canada: ANSI 136.1-2000

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

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

Note: All information subject to change without notice.

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