

TECHNICAL BULLETIN METAL HALIDE

EYE Multi Metal [™] M400SX/HOR/BT28

ANSI Code: M59/E Product Code: 52680

High Output, Horizontal Operation Metal Halide

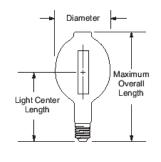
Features: • High initial and maintained lumens

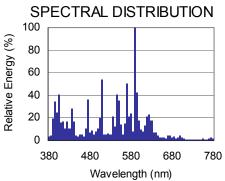
Superior lamp to lamp color consistency

Nickel-plated base

Pinless design base enables the lamp to operate on both normal socket and pin-oriented socket

PERFORMANCE DATA					
Initial lumens at rated watts after 100 hours operation	39000	lm			
Mean lumens at 10 hours/start	30800	lm			
Rated average life	20000	h			
Warm up time, maximum	4	min			
Correlated color temperature	4200	K			
CIE chromaticity	0.380, 0.400	X, Y			
Color rendering index (Ra)	65				
Operating Position	Horizontal ± 15°				
Time to hot re-start, maximum	15	min			

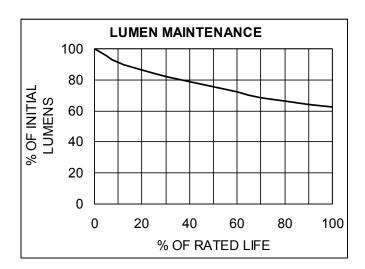




ELECTRICAL CHARACTERISTICS						
Nominal lamp wattage	400	W				
Nominal lamp voltage	133	V				
Nominal lamp current	3.25	A _{rms}				
Maximum current crest factor	1.8	-				
Maximum starting current	5.0	A _{rms}				
Minimum starting current	3.2	A _{rms}				
Ballast requirements	Use with ballast rated for ANSI M59 lamp					
Open circuit voltage (CWA)	382	V_{rms}				
-30°C (-22°F)	540	V_{peak}				
Pulse requirements	None					
Lampholder voltage rating	600	V				

100	LAMP MORTALITY										
100											
80											
PS NG								`			
% OF LAMPS OPERATING S b 9 8											
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0.0											
× 20											
0			_		_		_		_		,
	0	2		4		6		8	0	10	00
% OF RATED LIFE											

PHYSICAL DESCRIPTION					
211 (8.312)	mm (in)				
127 (5.0)	mm (in)				
89 (3.5)	mm (in)				
3	Degrees				
210 (410)	°C (°F)				
400 (752)	°C (°F)				
BT28					
Borosilicate (Hard Glass)					
Quartz					
43 (1.693)	mm (in)				
Clear					
E39 Mogul					
	211 (8.312) 127 (5.0) 89 (3.5) 3 210 (410) 400 (752) BT28 Borosilicate (Hard Quartz 43 (1.693) Clear				



FIXTURE REQUIREMENT

E Rated - Enclosed fixture required



Address: 9150 Hendricks Rd., Mentor, OH 44060

Phone: 888-665-2677 Fax: 800-811-7395 E-Mail: sales@eyelighting.com Phone: (440) 350-7000 Fax: (440) 350-7001 www.eyelighting.com

TB M400SXHORBT28 8/13/2004

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A 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

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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.

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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