

TECHNICAL INFORMATION BULLETIN Metal Halide

Order Code: 60965 Description: M400X/U/PS/BT28 EYE

ANSI CODE M135/155/E

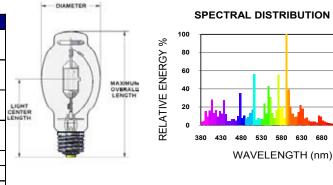
FEATURES: • High init

High Output, Universal Metal HalideHigh initial and maintained lumens

• Superior lamp to lamp color consistency

• Pulse Start Performance

PERFORMANCE DATA					
Initial lumens	42000(V) 37000(H)	lm			
Mean lumens at 11 hours/start	29400(V) 25900(H)	lm			
Rated average life	18000(V) 14000(H)	hr			
Correlated color temperature	3500(V) 4000(H)	°K			
Color rendering index [Ra]	65				
Operating position	Universal				
Warm-up time (90%lumens)	<6	min			
Time to re-start (max)	10	min			



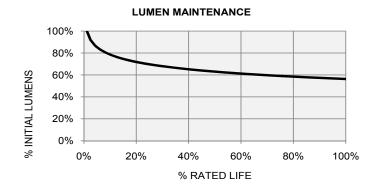
ELECTRICAL CHARACTERISTICS					
Nominal lamp wattage	400	W			
Nominal lamp voltage	135	V			
Nominal lamp current	3.25	A _{RMS}			
Current crest factor	1.8				
Ballast requirements					
Open Circuit Voltage	254	V_{RMS}			
-30°C(-22°F)	483	V_{PEAK}			
Min starting current	3.2	A _{RMS}			
Max starting current	5.0	A _{RMS}			

G	100% -									
RNIN	80% -		_					+		
L BU	60% -					+		\rightarrow		_
STIL	40% -					+		+		
% LAMPS STILL BURNING	20% -					_		+		_
ハ%	0% -							_		_
	0	%	20%	40)%	609	%	80%	ъ́ 1	00%

% RATED LIFE

LAMP MORTALITY

PHYSICAL DESCRIPTION				
Effective arc length	33(1.7)	mm (in)		
Maximum overall length	211(8.312)	mm (in)		
Light center length	127(5.0)	mm (in)		
Bulb diameter	89 (3.5)	mm (in)		
Base to bulb eccentricity	3°	max		
Maximum base temperature	210 (410)	°C (°F)		
Maximum bulb temperature	400 (752)	°C (°F)		
Bulb designation	BT28			
Bulb material	Borosilicate (hard glass)			
Arc tube material	Quartz			
Bulb finish	Clear			
Base designation	E39			





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M 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

A 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

Hg Lamp contains Mercury.
Manage in Accord with Disposal Laws