

# TECHNICAL INFORMATION BULLETIN

## EYE Multi-Metal

**LAMP TYPE** : Metal Halide Lamp  
MF400X/BUP

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	36,000
Lamp Lumen Efficacy	(lm/W)	:	90
Mean lumens at 10 hrs/start	(lm)	:	32,000
Rated average life	(hrs)	:	10,000
Warm up time	(min)	:	8
Restarting time	(min)	:	15
Correlated colour temperature	(K)	:	3,800
CIE chromaticity	x =	:	0.394
	y =	:	0.398
Colour rendering index	(Ra)	:	70
Burning Position		:	BU ± 15°

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	400
Nom. Lamp voltage EM	(V)	:	135
Nom. Lamp current EM	(A)	:	3.25
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	6.83
Compatible Ballast		:	with ballast rated for ANSI M59
Min. starting voltage (RMS)	(V)	:	198
Min. starting voltage (PEAK)	(V)	:	280

### PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	BT116 (116mm Dia.)
Bulb material		:	Hard glass
Bulb finish		:	Phosphor coated
Arc tube material		:	Quartz
Mercury(Hg)Content	(mg)	:	55
Overall Length	(mm)	:	292 max.
Light Centre Length	(mm)	:	--
Effective Arc Length	(mm)	:	--
Bulb Temp. limit	( °C )	:	400
Base Temp. limit	( °C )	:	210
Eccentricity Base to bulb axis	( ° )	:	3° max.
Life to 5% failures	(hr)	:	3400
Life to 10% failures (hr)	(hr)	:	5100
Life to 20% failures (hr)	(hr)	:	7200
Life to 50% failures (hr)	(hr)	:	10000
Lumen Maintenance 5000h	(%)	:	70

