

TECHNICAL INFORMATION BULLETIN

EYE Multi-Metal

LAMP TYPE : Metal Halide Lamp
MT1000A-BH/67

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	85,000
Lamp Lumen Efficacy	(lm/W)	:	85
Mean lumens at 10 hrs/start	(lm)	:	62,000
Rated average life	(hrs)	:	6,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15
Correlated colour temperature	(K)	:	4,200
CIE chromaticity	x =	:	0.376
	y =	:	0.396
Colour rendering index	(Ra)	:	65
Burning Position		:	BH ± 60°

ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	1,000
Nom. Lamp voltage EM	(V)	:	145
Nom. Lamp current EM	(A)	:	7.50
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	13.00
Min. starting voltage (RMS)	(V)	:	198
Min. starting voltage (PEAK)	(V)	:	280

PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	TT67 (67mm Dia.)
Bulb material		:	Hard glass
Bulb finish		:	Clear
Arc tube material		:	Quartz
Mercury(Hg)Content	(mg)	:	67
Overall Length	(mm)	:	382 max.
Light Centre Length	(mm)	:	240
Effective Arc Length	(mm)	:	102
Bulb Temp. limit	(°C)	:	500
Base Temp. limit	(°C)	:	210
Eccentricity Base to bulb axis	(°)	:	3° max.
Life to 5% failures	(hr)	:	2000
Life to 10% failures (hr)	(hr)	:	3100
Life to 20% failures (hr)	(hr)	:	4300
Life to 50% failures (hr)	(hr)	:	6000
Lumen Maintenance 5000h	(%)	:	62

