

TECHNICAL INFORMATION BULLETIN

EYE Clean Ace

LAMP TYPE : Metal Halide Lamp
MF250DL

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	14500V 13500H
Lamp Lumen Efficacy	(lm/W)	:	58
Mean lumens at 10 hrs/start	(lm)	:	11100V 10300H
Rated average life	(hrs)	:	10,000
Warm up time	(min)	:	8
Restarting time	(min)	:	15
Correlated colour temperature	(K)	:	6,500
CIE chromaticity	x =	:	0.310
	y =	:	0.349
Colour rendering index	(Ra)	:	90
Burning Position		:	Universal

ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	250
Nom. Lamp voltage EM	(V)	:	130
Nom. Lamp current EM	(A)	:	2.13
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	4.28
Compatible Ballast		:	60188 Mercury reactor ballast 2
Min. starting voltage (RMS)	(V)	:	198
Min. starting voltage (PEAK)	(V)	:	280

PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	BT100 (100mm Dia.)
Bulb material		:	Hard glass
Bulb finish		:	Phosphor coated
Arc tube material		:	Quartz
Mercury(Hg)Content	(mg)	:	36
Overall Length	(mm)	:	250 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

