

# TECHNICAL INFORMATION BULLETIN

## EYE Cera Arc Ace

**LAMP TYPE** : Ceramic Metal Halide Lamp  
CM360FLS/W/SH/BUD

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	42,000
Lamp Lumen Efficacy	(lm/W)	:	112
Rated average life	(hrs)	:	15,000
Warm up time	(min)	:	4
Restarting time	(min)	:	30 max.
Correlated colour temperature	(K)	:	4,100
CIE chromaticity	x =	:	0.375
	y =	:	0.373
Colour rendering index	(Ra)	:	80
	(R9)	:	-
Burning Position		:	Base up or base down $\pm 15^\circ$

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	375
Nom. Lamp voltage EM	(V)	:	130
Nom. Lamp current EM	(A)	:	3.30
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	6.83
Compatible Ballast		:	60188 Mercury reactor ballast 4
Min. starting voltage (RMS)	(V)	:	198
Max. open circuit voltage	(V)	:	280

### PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	BT116 (116mm dia.)
Bulb material		:	Hard glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	53
Overall Length	(mm)	:	292 max.
Light Centre Length	(mm)	:	185
Effective Arc Length	(mm)	:	22
Bulb Temp. limit	( $^\circ\text{C}$ )	:	470
Base Temp. limit	( $^\circ\text{C}$ )	:	230
Eccentricity Base to bulb axis	( $^\circ$ )	:	$3^\circ$ max.
Fixture requirement		:	Open fixture permissible
Life to 5% failures	(hr)	:	5100
Life to 10% failures (hr)	(hr)	:	7700
Life to 20% failures (hr)	(hr)	:	10800
Life to 50% failures (hr)	(hr)	:	15000
Lumen Maintenance 5000h	(%)	:	82

