

TECHNICAL INFORMATION BULLETIN

EYE Cera Arc Ace

LAMP TYPE : Ceramic Metal Halide Lamp
CM220FLS/W/BUD

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	22,000
Lamp Lumen Efficacy	(lm/W)	:	94
Rated average life	(hrs)	:	20,000
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)	:	85
	(R9)	:	-
Burning Position		:	Base up or base down $\pm 15^\circ$

ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	235
Nom. Lamp voltage EM	(V)	:	130
Nom. Lamp current EM	(A)	:	2.13
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	4.26
Compatible Ballast		:	60188 Mercury reactor ballast 2
Min. starting voltage (RMS)	(V)	:	198
Max. open circuit voltage	(V)	:	280

PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	BT90 (90mm dia.)
Bulb material		:	Hard glass
Bulb finish		:	Diffuse (UV-cut coating)
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	30
Overall Length	(mm)	:	245 max.
Light Centre Length	(mm)	:	-
Effective Arc Length	(mm)	:	-
Bulb Temp. limit	($^\circ\text{C}$)	:	470
Base Temp. limit	($^\circ\text{C}$)	:	230
Eccentricity Base to bulb axis	($^\circ$)	:	3° max.
Fixture requirement		:	Enclosed fixture required
Life to 5% failures	(hr)	:	6800
Life to 10% failures (hr)	(hr)	:	10200
Life to 20% failures (hr)	(hr)	:	14400
Life to 50% failures (hr)	(hr)	:	20000
Lumen Maintenance 5000h	(%)	:	90

