

TECHNICAL INFORMATION BULLETIN

EYE Cera Arc

LAMP TYPE : Ceramic Metal Halide Lamp
CM220F/W/BUD

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	21,500
Lamp Lumen Efficacy	(lm/W)	:	91
Rated average life	(hrs)	:	15,000
Warm up time	(min)	:	4
Restarting time	(min)	:	20 max.
Correlated colour temperature	(K)	:	4,100
CIE chromaticity	x =	:	0.375
	y =	:	0.373
Colour rendering index	(Ra)	:	85
Burning Position		:	BUorBD ± 15°

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)	:	4.30
Compatible Ballast		:	▷ 60188 reactor ballast with igni
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)	:	226 max.
Light Centre Length	(mm)	:	-
Effective Arc Length	(mm)	:	-
Bulb Temp. limit	(°C)	:	430
Base Temp. limit	(°C)	:	230
Eccentricity Base to bulb axis	(°)	:	3° 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

