

# TECHNICAL INFORMATION BULLETIN

## EYE Cera Arc 550K

**LAMP TYPE** : Ceramic Metal Halide Lamp  
CMT150/N

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	12,500
Lamp Lumen Efficacy	(lm/W)	:	83
Rated average life	(hrs)	:	9,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	5,500
CIE chromaticity	x =	:	0.329
	y =	:	0.338
Colour rendering index	(Ra)	:	95
	(R9)	:	-
Burning Position		:	Any

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage	(W)	:	150
Nom. Lamp voltage	(V)	:	90
Nom. Lamp current	(A)	:	1.67
Current crest factor		:	1.4 max.
Max. starting current	(A)	:	3.80
Compatible Ballast		:	EYE Electronic Ballast
Min. starting voltage (RMS)	(V)	:	280
Max. open circuit voltage	(V)	:	370

### PHYSICAL DESCRIPTION

Base designation		:	E27
Bulb designation		:	T30 (30mm dia.)
Bulb material		:	Hard glass
Bulb finish		:	Clear (UV-cut coating)
Bulb finish (Front glass)		:	UV-cut coating
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	12
Overall Length	(mm)	:	145 max.
Light Centre Length	(mm)	:	97
Effective Arc Length	(mm)	:	9
Bulb Temp. limit	( °C )	:	430
Base Temp. limit	( °C )	:	230
Eccentricity Base to bulb axis	( ° )	:	2° max.
Fixture requirement		:	Open fixture permissible
Life to 5% failures	(hr)	:	3100
Life to 10% failures (hr)	(hr)	:	4600
Life to 20% failures (hr)	(hr)	:	6500
Life to 50% failures (hr)	(hr)	:	9000
Lumen Maintenance 5000h	(%)	:	78

