

# TECHNICAL INFORMATION BULLETIN

## EYE Cera Arc T

**LAMP TYPE** : Ceramic Metal Halide Lamp  
CMT150/WW/SH/HOR

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	17,300
Lamp Lumen Efficacy	(lm/W)	:	115
Rated average life	(hrs)	:	18,000
Warm up time	(min)	:	2
Restarting time	(min)	:	25max
Correlated colour temperature	(K)	:	3,500
CIE chromaticity	x =	:	0.402
	y =	:	0.382
Colour rendering index	(Ra)	:	75
Burning Position		:	Horizontal $\pm 45^\circ$

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	150
Nom. Lamp voltage EM	(V)	:	100
Nom. Lamp current EM	(A)	:	1.80
Current crest factor		:	1.8max
Max. starting current	(A)	:	3.00
Compatible Ballast		:	150W HPSL ballast with ignitor
Min. starting voltage (RMS)	(V)	:	198
Max. open circuit voltage	(V)	:	280

### PHYSICAL DESCRIPTION

Base designation		:	E40
Bulb designation		:	T48 (48mm dia.)
Bulb material		:	Hard glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	16.5
Overall Length	(mm)	:	211 max.
Light Centre Length	(mm)	:	132
Effective Arc Length	(mm)	:	14
Bulb Temp. limit	( $^\circ\text{C}$ )	:	470
Base Temp. limit	( $^\circ\text{C}$ )	:	230
Eccentricity Base to bulb axis	( $^\circ$ )	:	$2^\circ$ max.
Fixture requirement		:	Enclosed fixture required
Life to 5% failures	(hr)	:	6100
Life to 10% failures (hr)	(hr)	:	9200
Life to 20% failures (hr)	(hr)	:	13000
Life to 50% failures (hr)	(hr)	:	18000
Lumen Maintenance 5000h	(%)	:	82

