

# TECHNICAL INFORMATION BULLETIN

## EYE Cera Arc T

**LAMP TYPE** : Ceramic Metal Halide Lamp  
CMT70/W/SH/G12

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	7,400
Lamp Lumen Efficacy	(lm/W)	:	101
Rated average life	(hrs)	:	12,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	4,200
CIE chromaticity	x =	:	0.370
	y =	:	0.370
Colour rendering index	(Ra)	:	94
Burning Position		:	Any

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage	(W)	:	73
Nom. Lamp voltage	(V)	:	85
Nom. Lamp current	(A)	:	0.86
Current crest factor		:	1.4 max.
Max. starting current	(A)	:	1.89
Compatible Ballast		:	EYE Electronic Ballast
Min. starting voltage (RMS)	(V)	:	280
Max. open circuit voltage	(V)	:	370

### PHYSICAL DESCRIPTION

Base designation		:	G12
Bulb designation		:	T19 (19mm dia.)
Bulb material		:	Quartz glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	5.1
Overall Length	(mm)	:	103 max.
Light Centre Length	(mm)	:	56
Effective Arc Length	(mm)	:	6
Bulb Temp. limit	( °C )	:	650
Base Temp. limit	( °C )	:	280
Eccentricity Base to bulb axis	( ° )	:	2° max.
Fixture requirement		:	Enclosed fixture required
Life to 5% failures	(hr)	:	4100
Life to 10% failures (hr)	(hr)	:	6100
Life to 20% failures (hr)	(hr)	:	8600
Life to 50% failures (hr)	(hr)	:	12000
Lumen Maintenance 5000h	(%)	:	82

