

# TECHNICAL INFORMATION BULLETIN

## EYE Cera Arc TD

**LAMP TYPE** : Ceramic Metal Halide Lamp  
CMTD70/DW

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	6,500
Lamp Lumen Efficacy	(lm/W)	:	93
Mean lumens at 10 hrs/start	(lm)	:	5,200
Rated average life	(hrs)	:	9,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	3,200
CIE chromaticity	x =	:	0.417
	y =	:	0.389
Colour rendering index	(Ra)	:	90
Burning Position		:	BH $\pm 45^\circ$

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage	(W)	:	70
Nom. Lamp voltage	(V)	:	90
Nom. Lamp current	(A)	:	0.95
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	1.50

Compatible Ballast : EYE Electronic Ballast

### PHYSICAL DESCRIPTION

Base designation		:	Rx7s
Bulb designation		:	T20 ( 22 mm dia. )
Bulb material		:	Quartz glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Alumina
Mercury(Hg)Content	(mg)	:	10
Overall Length	(mm)	:	120 max.
Average distance between contacts		:	114.2
Light Centre Length	(mm)	:	58
Effective Arc Length	(mm)	:	5
Bulb Temp. limit	( $^\circ\text{C}$ )	:	500
Base Temp. limit	( $^\circ\text{C}$ )	:	250
Eccentricity Base to bulb axis	( $^\circ$ )	:	$2^\circ$ max.
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	(%)	:	72

