

# TECHNICAL INFORMATION BULLETIN

## EYE Color Arc TD

LAMP TYPE : Metal Halide Lamp

MTD150D-7S

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	11,000
Lamp Lumen Efficacy	(lm/W)	:	73
Mean lumens at 10 hrs/start	(lm)	:	8,800
Rated average life	(hrs)	:	12,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	6,500
CIE chromaticity	x =	:	0.313
	y =	:	0.330
Colour rendering index	(Ra)	:	96
Burning Position		:	BH $\pm 45^\circ$

### ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	150
Nom. Lamp voltage EM	(V)	:	95
Nom. Lamp current EM	(A)	:	1.90
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	3.20

Compatible Ballast : IEC 61167 ballast with ignitor

### PHYSICAL DESCRIPTION

Base designation		:	Rx7s
Bulb designation		:	T24 ( 24 mm dia. )
Bulb material		:	Quartz glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Quartz
Mercury(Hg)Content	(mg)	:	5.8
Overall Length	(mm)	:	136 max.
Average distance between contacts		:	132
Light Centre Length	(mm)	:	68
Effective Arc Length	(mm)	:	16
Bulb Temp. limit	( $^\circ\text{C}$ )	:	650
Base Temp. limit	( $^\circ\text{C}$ )	:	280
Eccentricity Base to bulb axis	( $^\circ$ )	:	$3^\circ$ max.
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	(%)	:	81

