

TECHNICAL INFORMATION BULLETIN

EYE Color Arc colour

LAMP TYPE : Metal Halide Lamp
MTD250/AQUA/14K

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100hrs. Burning	(lm)	:	15,000
Lamp Lumen Efficacy	(lm/W)	:	60
Mean lumens at 10 hrs/start	(lm)	:	12,000
Rated average life	(hrs)	:	6,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	-
CIE chromaticity	x =	:	0.268~0.282
	y =	:	0.260~0.278
Colour rendering index	(Ra)	:	-
Burning Position		:	BH $\pm 45^\circ$

ELECTRICAL CHARACTERISTICS

Nom. Lamp wattage EM	(W)	:	250
Nom. Lamp voltage EM	(V)	:	100
Nom. Lamp current EM	(A)	:	3.00
Current crest factor		:	1.8 max.
Max. starting current	(A)	:	5.20

Compatible Ballast : ANSI M80

PHYSICAL DESCRIPTION

Base designation		:	Fc2/18
Bulb designation		:	T25 (27.5 mm dia.)
Bulb material		:	Quartz glass
Bulb finish		:	Clear (UV-cut coating)
Arc tube material		:	Quartz
Mercury(Hg)Content	(mg)	:	25.5
Overall Length	(mm)	:	161.6 max.
Average distance between contacts		:	157.9
Light Centre Length	(mm)	:	70
Effective Arc Length	(mm)	:	29
Bulb Temp. limit	($^\circ\text{C}$)	:	650
Base Temp. limit	($^\circ\text{C}$)	:	300
Eccentricity Base to bulb axis	($^\circ$)	:	3° max.
Life to 5% failures	(hr)	:	2000
Life to 10% failures (hr)	(hr)	:	3100
Life to 20% failures (hr)	(hr)	:	4300
Life to 50% failures (hr)	(hr)	:	6000
Lumen Maintenance 5000h	(%)	:	73

