

TECHNICAL INFORMATION BULLETIN

CERA ARC EX

Lamp type : Ceramic Metal Halide Lamp

CMT250/EX/HOR

PERFORMANCE DATA

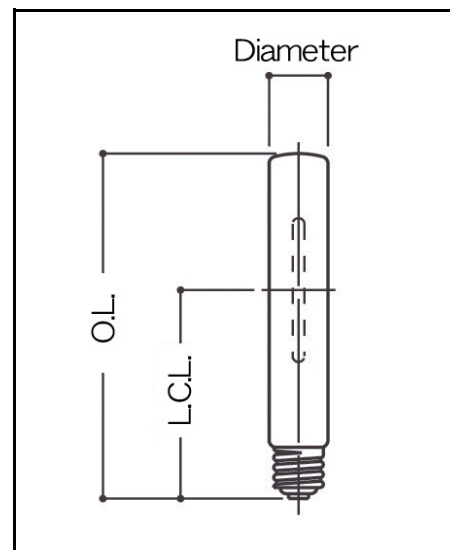
Initial luminous flux at rated wattage after 100hrs. Operation (lm) :		33000
Rated average life (hrs) :		24000
Warm up time (min) :		4
Restarting time (min) :		15 max.
Correlated colour temperature (K) :		3500
CIE chromaticity x = :		0.411
y = :		0.406
Colour rendering index :		80
Burning position :		Horizontal $\pm 45^\circ$
Life to 5% failures (hrs) :		8900
Life to 10% failures (hrs) :		12300
Life to 20% failures (hrs) :		17000
Life to 50% failures (hrs) :		24000

ELECTRICAL CHARACTERISTICS

Lamp wattage (Nominal) (W) :		250
Lamp wattage (Rated) (W) :		250
Lamp voltage (V) :		100
Lamp current (A) :		3.00
Compatible Ballast & Ignitor :		IEC 60662 (HPS-250W)
Current crest factor :		1.8 max.
Min. open circuit voltage (V) :		RMS 198
Max. starting current (A) :		5.2

PHYSICAL DESCRIPTION

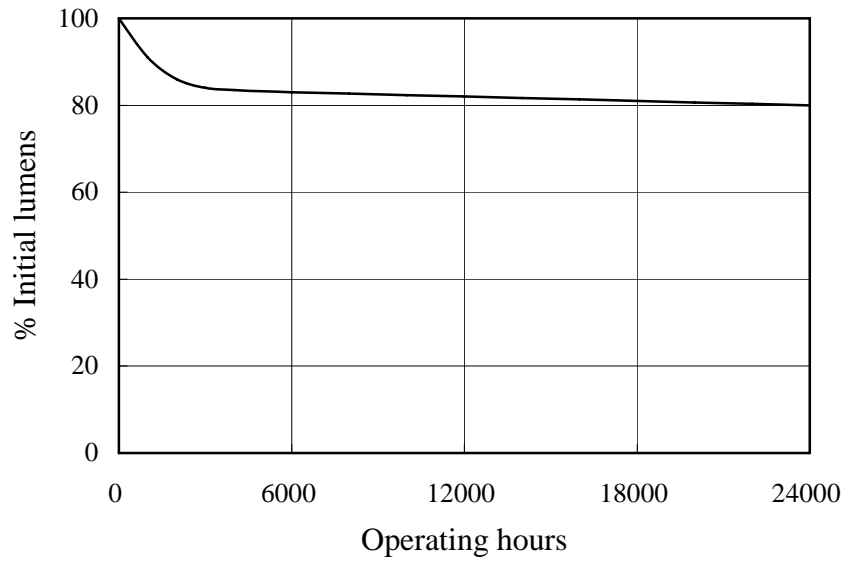
Base designation :		E40
Bulb designation :		T48
Bulb material :		Hard glass
Bulb finish :		Clear
Arc tube material :		Alumina
Mercury(Hg) content (mg) :		19
Max. overall length (MOL) (mm) :		257
Light centre length (LCL) (mm) :		158
Effective arc length (mm) :		19
Bulb temperature limit ($^\circ\text{C}$) :		400 max.
Base temperature limit ($^\circ\text{C}$) :		230 max.
Eccentricity base to bulb axis :		3 $^\circ$ max.
Fixture requirement :		Enclosed fixture required



Note: This lamp are to be operated with IEC HPS ballast and external ignitor.

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LUMEN MAINTENANCE



LAMP MORTALITY

