

## TECHNICAL INFORMATION BULLETIN

### CERA ARC EX

Lamp type : Ceramic Metal Halide Lamp

## **CMT100/EX/U**

### PERFORMANCE DATA

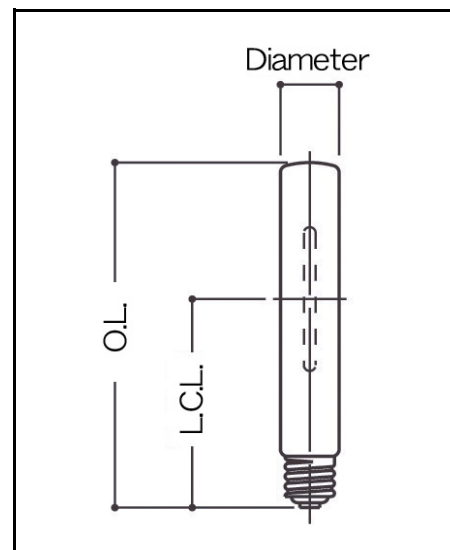
Initial luminous flux at rated		
wattage after 100hrs. Operation	(lm) :	12000
Rated average life	(hrs) :	18000
Warm up time	(min) :	4
Restarting time	(min) :	15 max.
Correlated colour temperature	(K) :	3500
CIE chromaticity	x = :	0.411
	y = :	0.406
Colour rendering index	:	75
Burning position	:	Horizontal $\pm 45^\circ$
Life to 5% failures	(hrs) :	6600
Life to 10% failures	(hrs) :	9300
Life to 20% failures	(hrs) :	12700
Life to 50% failures	(hrs) :	18000

### ELECTRICAL CHARACTERISTICS

Lamp wattage (Nominal)	(W) :	100
Lamp wattage (Rated)	(W) :	100
Lamp voltage	(V) :	95
Lamp current	(A) :	1.20
Compatible Ballast & Ignitor	:	IEC 60662 (HPS-100W)
Current crest factor	:	1.8 max.
Min. open circuit voltage	(V) :	RMS 198
Max. starting current	(A) :	2.4

### PHYSICAL DESCRIPTION

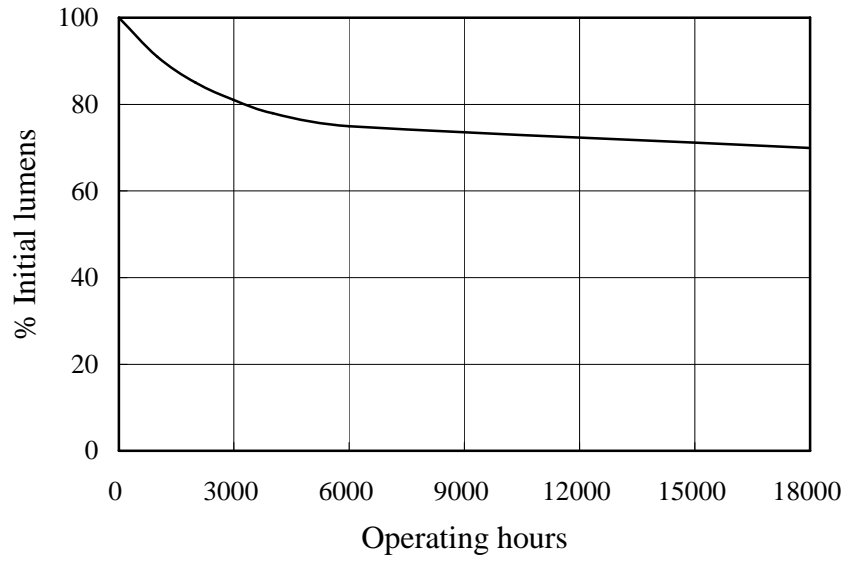
Base designation	:	E40
Bulb designation	:	T48
Bulb material	:	Hard glass
Bulb finish	:	Clear
Arc tube material	:	Alumina
Mercury(Hg) content	(mg) :	10.6
Max. overall length (MOL)	(mm) :	211
Light centre length (LCL)	(mm) :	132
Effective arc length	(mm) :	8
Bulb temperature limit	( $^\circ\text{C}$ ) :	400 max.
Base temperature limit	( $^\circ\text{C}$ ) :	250 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

