

# TECHNICAL INFORMATION BULLETIN

## EYE FEC Cera Arc Ace EX T

LAMP TYPE : Ceramic Metal Halide Lamp  
CMT220LS/EX/HOR

### PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning	(lm)	:	27,700
Lamp lumen efficacy	(lm/W)	:	120
Rated average life	(h)	:	24,000
Warm up time	(min)	:	4
Restarting time	(min)	:	30 max.
Correlated colour temperature	(K)	:	3,500
CIE chromaticity	x	:	0.41
	y	:	0.41
Colour rendering index	(Ra)	:	75
Burning position		:	BH $\pm 45^\circ$
Survival factor at 2,000h	(%)	:	99
4,000h	(%)	:	98
6,000h	(%)	:	96
8,000h	(%)	:	94
12,000h	(%)	:	87
16,000h	(%)	:	78
20,000h	(%)	:	65
Lumen Maintenance factor at 2,000h	(%)	:	87
4,000h	(%)	:	85
6,000h	(%)	:	84
8,000h	(%)	:	83
12,000h	(%)	:	82
16,000h	(%)	:	82
20,000h	(%)	:	81
Energy Efficiency Label		:	A+
Weighted Energy consumption (kWh/1000h)		:	253

### Lamp wattage (Nominal)

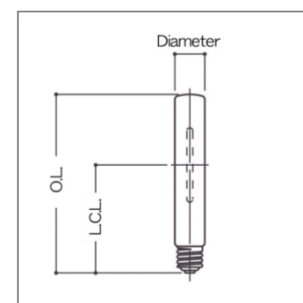
Lamp wattage (Nominal)	(W)	:	220
Lamp wattage (Rated)	(W)	:	230
Lamp voltage	(V)	:	130
Lamp current	(A)	:	2.13

### BALLAST AND IGNITOR INFORMATION

Compatible ballast	:	IEC 60188 (MVL-250W)
Ignitor	:	Not Required


### PHYSICAL DESCRIPTION


Base designation	:	E40
Bulb designation	:	T48 (48mm dia.)
Bulb material	:	Hard glass
Bulb finish	:	Clear (UV-cut coating)
Arc tube material	:	Alumina
Mercury(Hg) content	(mg)	: 28.0
Overall length	(mm)	: 250 max.
Light centre length (Nominal)	(mm)	: 160
Effective arc length (Nominal)	(mm)	: 19

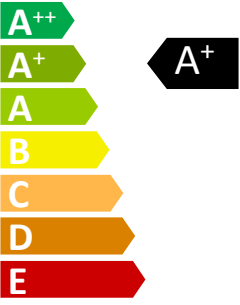


### LUMINAIRE DESIGN REQUIREMENTS

Bulb Temp. limit	( $^\circ\text{C}$ )	:	400
Base Temp. limit	( $^\circ\text{C}$ )	:	210
open / enclosed		:	Enclosed fixture required

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 **IWASAKI** CMT220LS/EX/HOR



**253** kWh/1000h