

TECHNICAL INFORMATION BULLETIN

EYE FEC Cera Arc Ace PRO BT

LAMP TYPE : Ceramic Metal Halide Lamp
CM230LS/PRO/BUD

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning	(lm)	:	27,900
Lamp lumen efficacy	(lm/W)	:	119
Rated average life	(h)	:	24,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	4,100
CIE chromaticity	x	:	0.38
	y	:	0.41
Colour rendering index	(Ra)	:	80
Burning position		:	BU or BD $\pm 45^\circ$
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	(%)	:	88
4,000h	(%)	:	84
6,000h	(%)	:	82
8,000h	(%)	:	81
12,000h	(%)	:	78
16,000h	(%)	:	77
20,000h	(%)	:	76
Energy Efficiency Label		:	A+
Weighted Energy consumption (kWh/1000h)		:	259

Lamp wattage (Nominal)

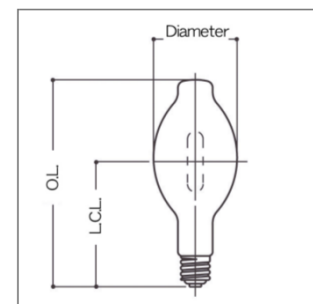
Lamp wattage (Nominal)	(W)	:	230
Lamp wattage (Rated)	(W)	:	235
Lamp voltage	(V)	:	130
Lamp current	(A)	:	2.13

BALLAST AND IGNITOR INFORMATION

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

PHYSICAL DESCRIPTION

Base designation	:	E40
Bulb designation	:	BT90 (90mm dia.)
Bulb material	:	Hard glass
Bulb finish	:	Clear (UV-cut coating)
Arc tube material	:	Alumina
Mercury(Hg) content	(mg) :	36.0
Overall length	(mm) :	245 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	:		Open fixture permissible

