

TECHNICAL INFORMATION BULLETIN

EYE FEC Cera Arc Ace EX E

LAMP TYPE : Ceramic Metal Halide Lamp
CM70FLS/EX/HOR

PERFORMANCE DATA

Initial luminous flux at rated			
wattage after 100h burning	(lm)	:	7,700
Lamp lumen efficacy	(lm/W)	:	107
Rated average life	(h)	:	20,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	3,500
CIE chromaticity	x	:	0.41
	y	:	0.40
Colour rendering index	(Ra)	:	75
Burning position		:	BH $\pm 60^\circ$
Survival factor at 2,000h	(%)	:	99
4,000h	(%)	:	97
6,000h	(%)	:	95
8,000h	(%)	:	91
12,000h	(%)	:	82
16,000h	(%)	:	68
20,000h	(%)	:	50
Lumen Maintenance factor at 2,000h	(%)	:	93
4,000h	(%)	:	91
6,000h	(%)	:	89
8,000h	(%)	:	88
12,000h	(%)	:	86
16,000h	(%)	:	84
20,000h	(%)	:	80
Energy Efficiency Label		:	A+
Weighted Energy consumption	(kWh/1000h)	:	79

Lamp wattage (Nominal)

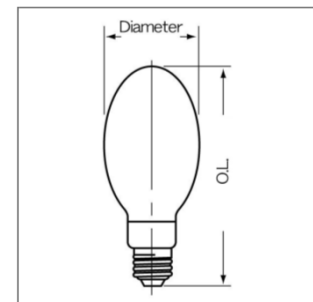
Lamp wattage (Nominal)	(W)	:	70
Lamp wattage (Rated)	(W)	:	72
Lamp voltage	(V)	:	105
Lamp current	(A)	:	0.80

BALLAST AND IGNITOR INFORMATION

Compatible ballast	:	IEC 60188 (MVL-80W)
Ignitor	:	Not Required

PHYSICAL DESCRIPTION

Base designation	:	E27
Bulb designation	:	E70 (70mm dia.)
Bulb material	:	Hard glass
Bulb finish	:	Diffuse (UV-cut coating)
Arc tube material	:	Alumina
Mercury(Hg) content	(mg)	15.0
Overall length	(mm)	156 max.
Light centre length (Nominal)	(mm)	-
Effective arc length (Nominal)	(mm)	-



LUMINAIRE DESIGN REQUIREMENTS

Bulb Temp. limit	($^{\circ}\text{C}$)	:	400
Base Temp. limit	($^{\circ}\text{C}$)	:	190
open / enclosed	:		Enclosed fixture required

