

TECHNICAL INFORMATION BULLETIN

EYE FEC Cera Arc Ace EX E

**LAMP TYPE : Ceramic Metal Halide Lamp
CM45FLS/EX/HOR**

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning	(lm)	:	4,100
Lamp lumen efficacy	(lm/W)	:	91
Rated average life	(h)	:	16,000
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	(%)	:	96
6,000h	(%)	:	92
8,000h	(%)	:	87
12,000h	(%)	:	72
16,000h	(%)	:	50
Lumen Maintenance factor at 2,000h	(%)	:	92
4,000h	(%)	:	90
6,000h	(%)	:	89
8,000h	(%)	:	88
12,000h	(%)	:	85
16,000h	(%)	:	82
Energy Efficiency Label		:	A+
Weighted Energy consumption (kWh/1000h)		:	50

Lamp wattage (Nominal)

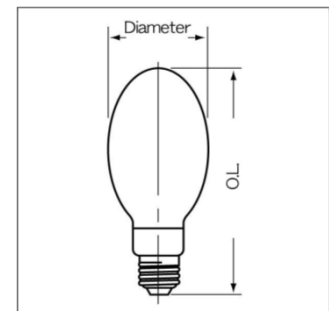
Lamp wattage (Nominal)	(W)	:	45
Lamp wattage (Rated)	(W)	:	45
Lamp voltage	(V)	:	90
Lamp current	(A)	:	0.61

BALLAST AND IGNITOR INFORMATION

Compatible ballast	:	IEC 60188 (MVL-50W)
Ignitor	:	Not Required


PHYSICAL DESCRIPTION


Base designation	:	E27
Bulb designation	:	E55 (55mm dia.)
Bulb material	:	Hard glass
Bulb finish	:	Diffuse (UV-cut coating)
Arc tube material	:	Alumina
Mercury(Hg) content	(mg)	: 9.7
Overall length	(mm)	: 130 max.
Light centre length (Nominal)	(mm)	: -
Effective arc length (Nominal)	(mm)	: -

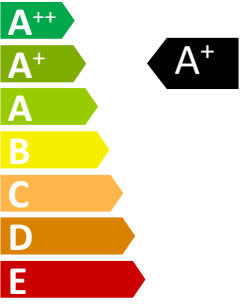


LUMINAIRE DESIGN REQUIREMENTS

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

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 **IWASAKI** CM45FLS/EX/HOR



49.5 kWh/1000h