

TECHNICAL INFORMATION BULLETIN

EYE Cera Arc 2800K PAR36

LAMP TYPE : Ceramic Metal Halide Lamp
CM70P36S/LW928

PERFORMANCE DATA

Initial luminous flux at rated wattage after 100h burning	(lm)	:	5,000
Lamp lumen efficacy	(lm/W)	:	68
Beam angle	(°)	:	27
Peak intensity	(cd)	:	7,500
Rated average life	(h)	:	12,000
Warm up time	(min)	:	4
Restarting time	(min)	:	15 max.
Correlated colour temperature	(K)	:	2,800
CIE chromaticity	x	:	0.45
	y	:	0.40
Colour rendering index	(Ra)	:	92
Burning position		:	Any
Survival factor at 2,000h	(%)	:	98
4,000h	(%)	:	94
6,000h	(%)	:	87
8,000h	(%)	:	78
12,000h	(%)	:	50
Lumen Maintenance factor at 2,000h	(%)	:	81
4,000h	(%)	:	76
6,000h	(%)	:	74
8,000h	(%)	:	72
12,000h	(%)	:	70
Energy Efficiency Label		:	A
Weighted Energy consumption (kWh/1000h)		:	80

Lamp wattage (Nominal)

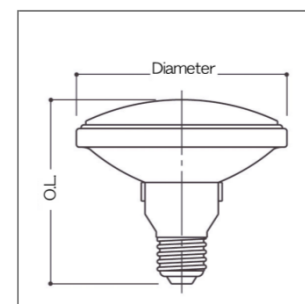
Lamp wattage (Nominal)	(W)	:	70
Lamp wattage (Rated)	(W)	:	73
Lamp voltage	(V)	:	85
Lamp current	(A)	:	0.86

BALLAST AND IGNITOR INFORMATION

Compatible ballast : IWASAKI Specified

PHYSICAL DESCRIPTION

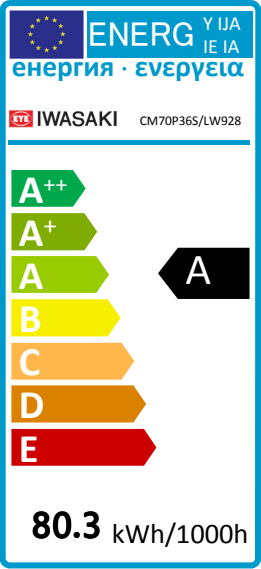
Base designation		:	E27/51X39
Bulb designation		:	PAR36
Bulb material		:	Hard glass
Bulb finish (Reflector)		:	Aluminium coating
Bulb finish (Front glass)		:	UV-cut coating
Arc tube material		:	Alumina
Mercury(Hg) content	(mg)	:	6.8
Overall length	(mm)	:	102 max.
Light centre length (Nominal)	(mm)	:	-
Effective arc length (Nominal)	(mm)	:	-



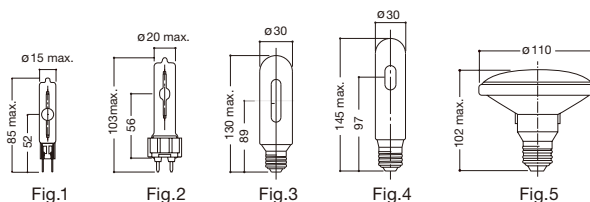
LUMINAIRE DESIGN REQUIREMENTS

Bulb Temp. limit	(°C)	:	400
Base Temp. limit	(°C)	:	190
open / enclosed		:	Open fixture permissible

Notes: *1 Special purpose for grocery and food display
This lamp is not suitable for ordinary lighting in household room illumination.



EYE CERA ARC 2800K



PHYSICAL DATA AND CHARACTERISTICS

Type	Watts (W)	Bulb	Base	Bulb Finish	Std. Pkg. Qty.	Colour Temp. (K)	Lamp		Initial Lumens (ℓm)	Ra	Rated Av. Life (hrs)	Burning Position	Fig. No.	Ref.*
							Voltage (V)	Current (A)						
EYE CERA ARC 2800K TC - G8.5 base														
CMT70/LW928/G8.5	70	T15	G8.5	Clear	24	2800	85	0.82	6600	92	12000	Any	1	ECG
EYE CERA ARC 2800K T - G12 base														
CMT70/LW928/G12	70	T20	G12	Clear	24	2800	85	0.82	6600	92	12000	Any	2	ECG
EYE CERA ARC 2800K TP - Tubular Protected E27 screw base														
CMT70/LW928	73	T30	E27	Clear	12	2800	85	0.86	6000	94	12000	Any	3	ECG
CMT70F/LW928	73	T30	E27	Diffused	12	2800	85	0.86	5800	94	12000	Any	3	ECG
CMT150/LW928	150	T30	E27	Clear	12	2800	90	1.67	13500	95	12000	Any	4	ECG
CMT150F/LW928	150	T30	E27	Diffused	12	2800	90	1.67	13000	95	12000	Any	4	ECG

Type	Watts (W)	Base	Std. Pkg. Qty.	Colour Temp. (K)	Lamp		Beam Angle (°)	Max. light Intensity (cd)	Ra	Rated Av. Life (hrs)	Burning Position	Fig. No.	Ref.*
					Voltage (V)	Current (A)							
EYE CERA ARC 2800K PAR36 - E27 screw base													
CM70P36S/LW928	70	E27	10	2800	85	0.82	30	7500	92	12000	Any	5	ECG
CM70P36F/LW928	70	E27	10	2800	85	0.82	70	2300	92	12000	Any	5	ECG
CM150P36S/LW928	150	E27	10	2800	90	1.67	30	16000	95	9000	Any	5	ECG
CM150P36F/LW928	150	E27	10	2800	90	1.67	70	5500	95	9000	Any	5	ECG

* Lamps marked ECG in the Ref. column must be used with electronic ballasts manufactured by or approved by Iwasaki Electric to ensure correct operation.

Superior colour rendering, 2800K warm incandescent colour with ceramic metal halide lamp efficacy.

FEATURES

- Ra95 - the highest colour rendering in warm colour HID lamps.
- 1.7 times higher than output than high CRI white sodium lamp. (Comparison of EYE SDX: 2500K, Ra85 white sodium lamp)
- 3 to 5 times more efficient and up to 5 times longer life than halogen or incandescent lamps.
- R9: up to 60, high red colour rendering.
- UV reduction coating on outer bulb prevents lit objects from fading and maintains high output with polycarbonate lenses.



Press Pivot, Hokkaido