

## Ceramic Lamps Ceramic Master-PLUS

Description: CM PLUS ED 70W/U/UVS/+S/942

### Performance Data

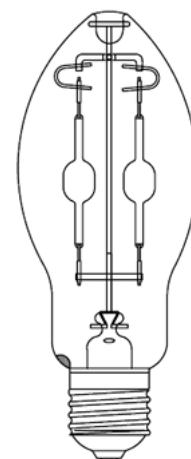
Rated Light Output (Lumens @ 100 hours)	6600
Lamp Lumens per Watt	94
Rated Life (Hrs @ 10Hr./Start)	36000
Correlated Colour Temperature (K)	4200
Colour Rendering Index (CRI) or (Ra)	90
Typical Warm Up Time (Minutes)	3
Typical Hot Restart Time (Minutes)	15
Burning Position	Universal
S/P (Multiplier)	1.7
Energy Rating (ErP)	A+ 77 kWh/1000h

### Physical Data

Base Designation	E27
Bulb Designation	E54
Bulb Diameter (mm)	54
Max. Overall Length (mm)	141
Light Centre Length (mm)	89
Max. Base Temperature (°C)	200
Max. Bulb Temperature (°C)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5

### Lamp Electrical Data

Nominal Lamp Wattage (W)	72
Lamp Operating Voltage (V)	90
Lamp Operating Current (A)	0.9
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	3500-5000
Min. Pulse Width (Microseconds)	1 @2700V
Min. Pulse Rate Per ½ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270



Rated Lumen Maintenance Factor (% of initial)	
2000Hrs	98
4000Hrs	97
6000Hrs	95
8000Hrs	94
12000Hrs	91
16000Hrs	89
20000Hrs	87
24000Hrs	85
30000Hrs	82

Rated Lamp Survival Factor (% of initial)	
2000Hrs	99
4000Hrs	98
6000Hrs	97
8000Hrs	96
12000Hrs	92
16000Hrs	88
20000Hrs	82
24000Hrs	76
30000Hrs	64

Revision: 24-04-2014

\*\*See page 2 for product notes\*\*

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### Notes:

This Product Specification contains data about typical performance at nominal power. Actual values may depend on ballast and applications. Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.