

Ceramic Lamps Ceramic Master-PLUS

Description: CM PLUS ED 50W/U/UVS/+S/940

Performance Data

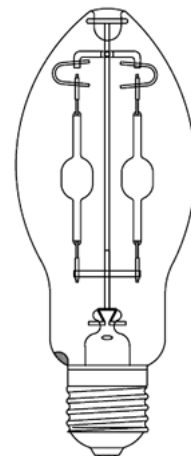
Rated Light Output (Lumens @ 100 hours)	4650
Lamp Lumens per Watt	93
Rated Life (Hrs @ 10Hr./Start)	30000
Correlated Colour Temperature (K)	4000
Colour Rendering Index (CRI) or (Ra)	90
Typical Warm Up Time (Minutes)	3
Typical Hot Restart Time (Minutes)	15
Burning Position	Universal
S/P (Multiplier)	1.7
Energy Rating (ErP)	A+ 55 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)	6

Lamp Electrical Data

Nominal Lamp Wattage (W)	50
Lamp Operating Voltage (V)	90
Lamp Operating Current (A)	0.65
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	3500-5000



Rated Lumen Maintenance Factor (% of initial)	
2000Hrs	92
4000Hrs	90
6000Hrs	90
8000Hrs	90
12000Hrs	89
16000Hrs	87
20000Hrs	86
24000Hrs	84
30000Hrs	82

Rated Lamp Survival Factor (% of initial)	
2000Hrs	99
4000Hrs	99
6000Hrs	99
8000Hrs	99
12000Hrs	99
16000Hrs	99
20000Hrs	97
24000Hrs	90
30000Hrs	63

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.