

Ceramic Lamps Ceramic Master-PLUS

Description: CM PLUS TT 150W/U/UVS/+S/T46/942

Performance Data

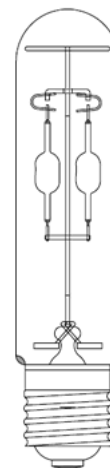
Rated Light Output (Lumens @ 100 hours)	13500
Lamp Lumens per Watt	90
Rated Life (Hrs @ 10Hr./Start)	36000
Correlated Colour Temperature (K)	4200
Colour Rendering Index (CRI) or (Ra)	90
Typical Warm Up Time (Minutes)	3
Typical Hot Restart Time (Minutes)	15
Burning Position	Universal
S/P (Multiplier)	1.7
Energy Rating (ErP)	A+ 165 kWh/1000h

Physical Data

Base Designation	E40
Bulb Designation	T46
Bulb Diameter (mm)	46
Max. Overall Length (mm)	215
Light Centre Length (mm)	132
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)	150
Lamp Operating Voltage (V)	100
Lamp Operating Current (A)	1.8
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.