

## Ceramic Lamps CM City

Description: CM-CITY TT 90W/H15/UVS/+S/T46/630

### Performance Data

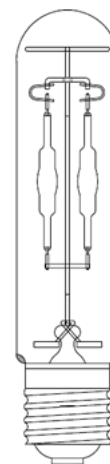
Rated Light Output (Lumens @ 100 hours)	9450
Lamp Lumens per Watt	105
Rated Life (Hrs @ 10Hr./Start)	40000
Correlated Colour Temperature (K)	3000
Colour Rendering Index (CRI) or (Ra)	60
Typical Warm Up Time (Minutes)	3
Typical Hot Restart Time (Minutes)	15
Burning Position	Horizontal $\pm 15^\circ$
S/P (Multiplier)	1.4
Energy Rating (ErP)	A+ 99 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 ( $^\circ\text{C}$ )	200
Max. Bulb Temperature ( $^\circ\text{C}$ )	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5

### Lamp Electrical Data

Nominal Lamp Wattage (W)	90
Lamp Operating Voltage (V)	90
Lamp Operating Current (A)	1.1
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	3500-5000
Min. Pulse Width (Microseconds)	0.5 @2700V
Min. Pulse Rate Per $\frac{1}{2}$ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270



Rated Lumen Maintenance Factor (% of initial)	
2000Hrs	99
4000Hrs	97
6000Hrs	96
8000Hrs	95
12000Hrs	92
16000Hrs	90
20000Hrs	88
24000Hrs	86
30000Hrs	75

Rated Lamp Survival Factor (% of initial)	
2000Hrs	99
4000Hrs	98
6000Hrs	98
8000Hrs	96
12000Hrs	95
16000Hrs	90
20000Hrs	85
24000Hrs	80
30000Hrs	70

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.