

Lamps for Special Applications CWA Lamps

Description: HIE 1000W/U/4K

Performance Data

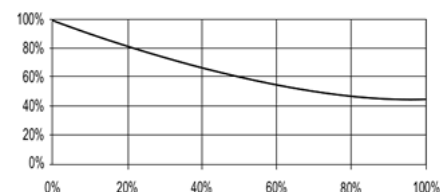
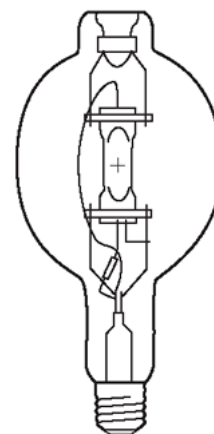
Rated Light Output (Lumens @ 100 hours)	110000
Lamp Lumens per Watt (100hrs)	110
Rated Life (Hrs @ 10Hr./Start)	12000
Correlated Colour Temperature (K)	4000
Chromaticity (CIE - X Y)	385,390
Colour Rendering Index (CRI) or (Ra)	68
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	10-15
Burning Position	Universal
S/P (Multiplier)	1.7
Energy Rating (ErP)	A+ 1100 kWh/1000h

Physical Data

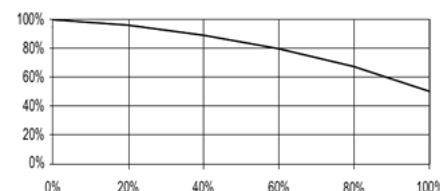
Base Designation	E40
Bulb Designation	BT180
Bulb Diameter (mm)	180
Max. Overall Length (mm)	395
Light Centre Length (mm)	245
Effective Arc Length (mm)	81
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	430
Luminaire Type	Enclosed
Mercury Content (mg)	151.0

Lamp Electrical Data

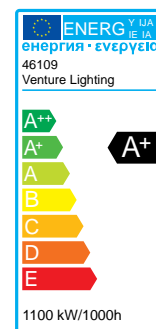
Nominal Lamp Wattage (W)	1000
Lamp Operating Voltage (V)	263
Lamp Operating Current (A)	4.1
Min. Open Circuit Voltage (RMS)	380
Min. Starting Pulse (Peak V)	1000-1500
Min. Pulse Width (Microseconds)	180 @900V
Min. Pulse Rate Per ½ cycle	1
Pulse Position (Electrical Degrees)	60-90,



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)



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Notes:

Lamp data is based on vertical operation. For horizontal operation lumen output will be reduced by 10% and lamp life reduced by 25%.

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.