

## Lamps for Special Applications CWA Lamps

Description: HIE 1000W/U/4K

### Performance Data

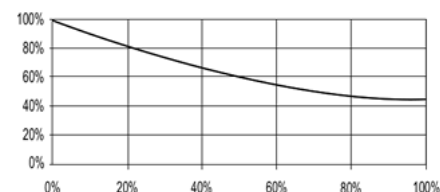
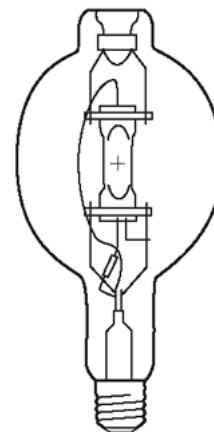
Rated Light Output (Lumens @ 100 hours)	110000
Lamp Lumens per Watt	110
Rated Life (Hrs @ 10Hr./Start)	12000
Correlated Colour Temperature (K)	4000
Chromaticity (CIE - X Y)	385,390
Colour Rendering Index (CRI) or (Ra)	68
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	10-15
Burning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

### Physical Data

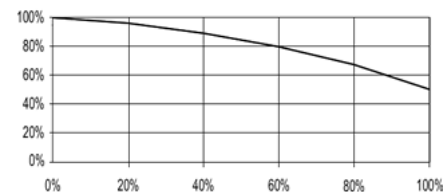
Base Designation	E40
Bulb Designation	BT180
Bulb Diameter (mm)	180
Max. Overall Length (mm)	395
Light Centre Length (mm)	245
Effective Arc Length (mm)	81
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	430
Luminaire Type	Enclosed
Mercury Content (mg)	151.0

### 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)

Revision: 07-06-2012

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

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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.