

## Uni-form Pulse Start High Performance Lamps

Description: HIE 250W/C/H75/PS/737

### Performance Data

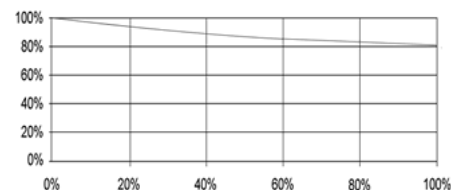
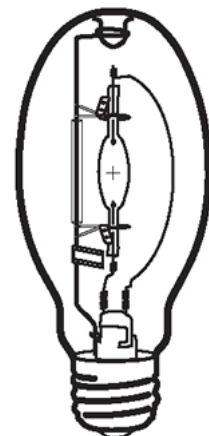
Rated Light Output (Lumens @ 100 hours)	20000
Lamp Lumens per Watt	84
Rated Life (Hrs @ 10Hr./Start)	26000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395,390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	2-3
Typical Hot Restart Time (Minutes)	3-5
Burning Position	Horizontal±75°
Energy Rating (ErP)	A 275 kWh/1000h

### Physical Data

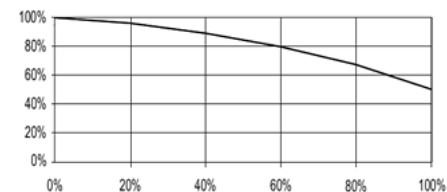
Base Designation	E40
Bulb Designation	E90
Bulb Diameter (mm)	90
Max. Overall Length (mm)	215
Light Centre Length (mm)	131
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5
Mercury Content (mg)	20.3

### Lamp Electrical Data

Nominal Lamp Wattage (W)	250
Lamp Operating Voltage (V)	133
Lamp Operating Current (A)	2.1
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	3000-4500
Min. Pulse Width (Microseconds)	1 @2700V
Min. Pulse Rate Per ½ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 09-01-2012

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

## **Uni-form Pulse Start High Performance Lamps**

### **Notes:**

Minimum Operating Temperature: -40°C

Rated life is based on operation with Ventronic® or specifically approved electronic ballasts. For operation on magnetic control gear the rated life is reduced by 30%.

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.