

## Euro Lamps

Description: HIE 400W/C/U/E90/EURO/4K

### Performance Data

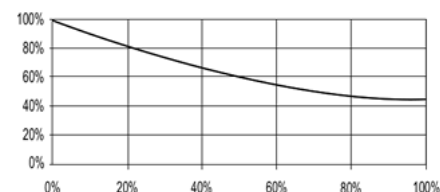
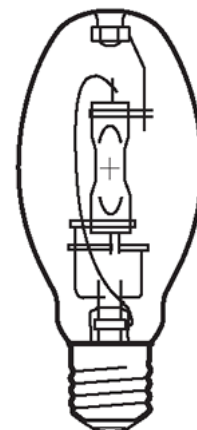
Rated Light Output (Lumens @ 100 hours)	34000
Lamp Lumens per Watt	85
Rated Life (Hrs @ 10Hr./Start)	15000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395,390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	8-12
Burning Position	Universal
Energy Rating (ErP)	A 440 kWh/1000h

### Physical Data

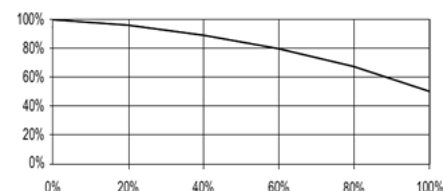
Base Designation	E40
Bulb Designation	E90
Bulb Diameter (mm)	90
Max. Overall Length (mm)	215
Light Centre Length (mm)	131
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	450
Luminaire Type	Enclosed
Mercury Content (mg)	55.0

### Lamp Electrical Data

Nominal Lamp Wattage (W)	400
Lamp Operating Voltage (V)	135
Lamp Operating Current (A)	3.2
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	600
Min. Pulse Width (Microseconds)	260 @1620V
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: 06-06-2012

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

## **Euro Lamps**

### **Notes:**

This lamp is also compatible with a 3.0-4.5kV ignitor

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

For this lamp 2 wire low voltage ignitors are suitable for operation down to 0°C. A high voltage ignitor (3KV) is suitable down to -20°C.

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.