

Euro Lamps

Description: HIE 250W/C/BU/EURO/4K

Performance Data

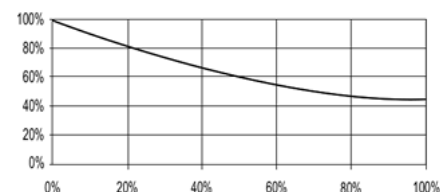
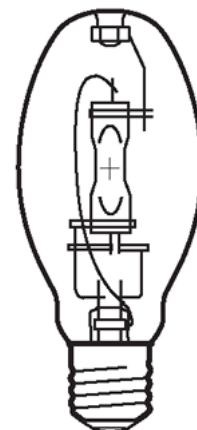
Rated Light Output (Lumens @ 100 hours)	22000
Lamp Lumens per Watt	88
Rated Life (Hrs @ 10Hr./Start)	10000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395,390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	2-4
Typical Hot Restart Time (Minutes)	5-10
Burning Position	Base Up $\pm 15^\circ$
Energy Rating (ErP)	A 275 kWh/1000h

Physical Data

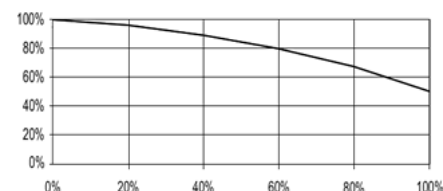
Base Designation	E40
Bulb Designation	E90
Bulb Diameter (mm)	90
Max. Overall Length (mm)	215
Light Centre Length (mm)	131
Max. Base Temperature ($^\circ\text{C}$)	250
Max. Bulb Temperature ($^\circ\text{C}$)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4
Mercury Content (mg)	30.0

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)	600
Min. Pulse Width (Microseconds)	260 @540V
Min. Pulse Rate Per $\frac{1}{2}$ cycle	1
Pulse Position (Electrical Degrees)	60-90,



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 19-04-2011

See page 2 for product notes

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Notes:

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

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.