

Uni-form Pulse Start High Performance Lamps

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

Performance Data

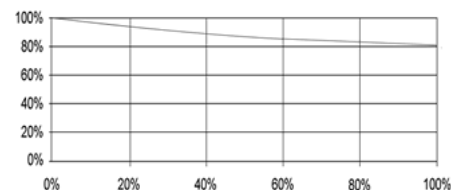
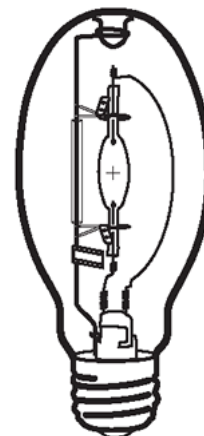
Rated Light Output (Lumens @ 100 hours)	23800
Lamp Lumens per Watt	95
Rated Life (Hrs @ 10Hr./Start)	20000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395,390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	2-3
Typical Hot Restart Time (Minutes)	3-5
Burning Position	Vertical±15°
Energy Rating (ErP)	A+ 275 kWh/1000h

Physical Data

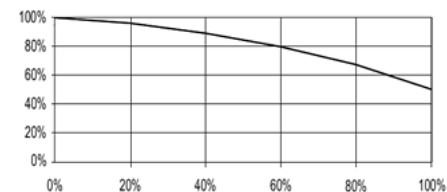
Base Designation	E40
Bulb Designation	E90
Bulb Diameter (mm)	90
Max. Overall Length (mm)	215
Light Centre Length (mm)	131
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5
Mercury Content (mg)	25.8

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.