

Uni-form Pulse Start High Performance Lamps

Description: HIE 400W/C/V/PS737

Performance Data

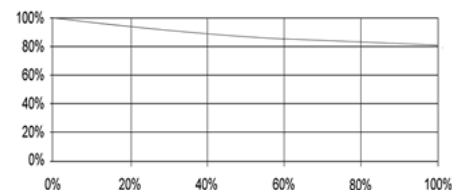
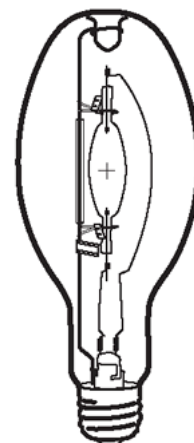
Rated Light Output (Lumens @ 100 hours)	42000
Lamp Lumens per Watt	105
Rated Life (Hrs @ 10Hr./Start)	30000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395,390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	2-3
Typical Hot Restart Time (Minutes)	4-6
Burning Position	Vertical \pm 15 $^{\circ}$
Energy Rating (ErP)	A+ 440 kWh/1000h

Physical Data

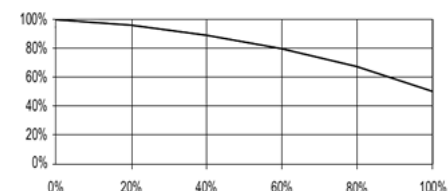
Base Designation	E40
Bulb Designation	E120
Bulb Diameter (mm)	120
Max. Overall Length (mm)	296
Light Centre Length (mm)	182
Max. Base Temperature ($^{\circ}$ C)	250
Max. Bulb Temperature ($^{\circ}$ C)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5
Mercury Content (mg)	40.3

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)	3000-4500
Min. Pulse Width (Microseconds)	1 @2700V
Min. Pulse Rate Per $\frac{1}{2}$ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270



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:

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.