

Description: HIE 250W/V/PS+S/740

Performance Data

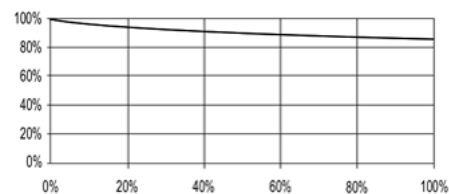
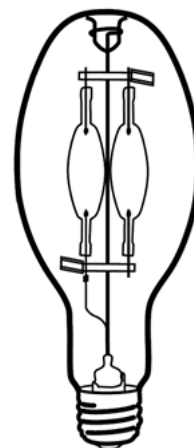
Rated Light Output (Lumens @ 100 hours)	23800
Lamp Lumens per Watt (100hrs)	95
Rated Life (Hrs @ 10Hr./Start)	40000
Correlated Colour Temperature (K)	4000
Chromaticity (CIE - X Y)	385,390
Colour Rendering Index (CRI) or (Ra)	68
Typical Warm Up Time (Minutes)	2-3
Typical Hot Restart Time (Minutes)	3-5
S/P (Multiplier)	1.7
Energy Rating (ErP)	A+ 275 kWh/1000h

Physical Data

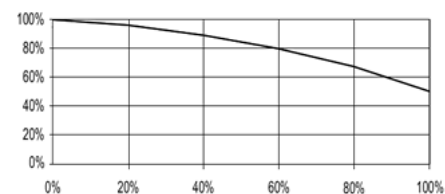
Base Designation	E40
Bulb Designation	E90
Bulb Diameter (mm)	90
Max. Overall Length (mm)	215
Light Centre Length (mm)	131
Effective Arc Length (mm)	21.1
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Socket Pulse Rating (KV)	4.5
Mercury Content (mg)	46.2

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



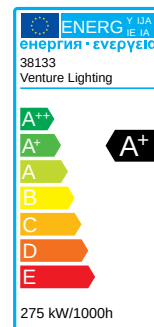
Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 16-10-2013

See page 2 for product notes



Notes:

Rated Life is based upon operation with magnetic ballasts with expected 20% increase when used on Ventronic or approved electronic ballasts.

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.