

High Pressure Sodium Lamps

Description: HPST.100W/E40/HO

Performance Data

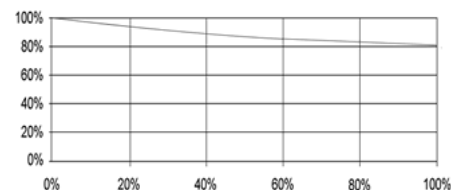
Rated Light Output (Lumens @ 100 hours)	10200
Lamp Lumens per Watt	102
Rated Life (Hrs @ 10Hr./Start)	32000
Correlated Colour Temperature (K)	2000
Chromaticity (CIE - X Y)	535,420
Colour Rendering Index (CRI) or (Ra)	25
Typical Warm Up Time (Minutes)	4
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal
Energy Rating (ErP)	A+ 110 kWh/1000h

Physical Data

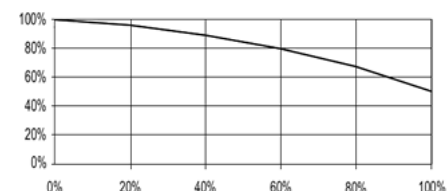
Base Designation	E40
Bulb Diameter (mm)	46
Max. Overall Length (mm)	211
Light Centre Length (mm)	133
Effective Arc Length (mm)	42.3
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5
Mercury Content (mg)	5

Lamp Electrical Data

Nominal Lamp Wattage (W)	100
Lamp Operating Voltage (V)	100
Lamp Operating Current (A)	1.2
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	2800-4500
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: 28-02-2006

See page 2 for product notes

High Pressure Sodium Lamps

Notes:

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.