

High Pressure Sodium Lamps

Description: HPST.100W/E40/TWIN/HO

Performance Data

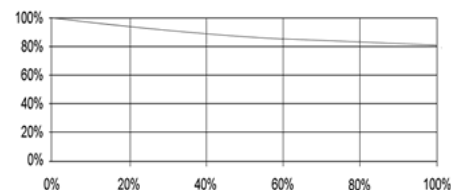
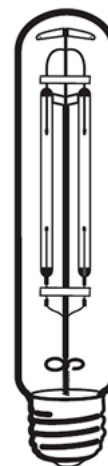
Rated Light Output (Lumens @ 100 hours)	10200
Lamp Lumens per Watt	102
Rated Life (Hrs @ 10Hr./Start)	40000
Correlated Colour Temperature (K)	2000
Chromaticity (CIE - X Y)	535,420
Colour Rendering Index (CRI) or (Ra)	25
Typical Warm Up Time (Minutes)	4
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal
Energy Rating (ErP)	A+ 110 kWh/1000h

Physical Data

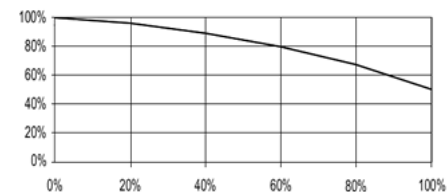
Base Designation	E40
Bulb Diameter (mm)	46
Max. Overall Length (mm)	211
Light Centre Length (mm)	133
Effective Arc Length (mm)	42.3
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5
Mercury Content (mg)	16

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)	3800-4500
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: 02-05-2012

See page 2 for product notes

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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.