

## High Pressure Sodium Lamps

Description: HPST.400W/E40/TWIN/HO

### Performance Data

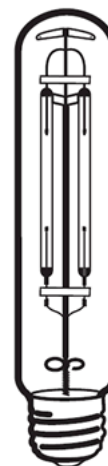
Rated Light Output (Lumens @ 100 hours)	56000
Lamp Lumens per Watt	140
Rated Life (Hrs @ 10Hr./Start)	40000
Correlated Colour Temperature (K)	2000
Chromaticity (CIE - X Y)	525,425
Colour Rendering Index (CRI) or (Ra)	25
Typical Warm Up Time (Minutes)	3
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal
Energy Rating (ErP)	A++ 440 kWh/1000h

### Physical Data

Base Designation	E40
Bulb Diameter (mm)	46
Max. Overall Length (mm)	278
Light Centre Length (mm)	175
Effective Arc Length (mm)	85.3
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5
Mercury Content (mg)	40

### Lamp Electrical Data

Nominal Lamp Wattage (W)	400
Lamp Operating Voltage (V)	100
Lamp Operating Current (A)	4.5
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



Rated Lumen Maintenance Factor (% of initial)	
2000Hrs	99
4000Hrs	97
6000Hrs	96
8000Hrs	95
12000Hrs	92
16000Hrs	90
20000Hrs	88

Rated Lamp Survival Factor (% of initial)	
2000Hrs	99
4000Hrs	99
6000Hrs	98
8000Hrs	98
12000Hrs	96
16000Hrs	94
20000Hrs	91

Revision: 30-09-2014

\*\*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.