

High Pressure Sodium Lamps

Description: HPST.150W/E40/TWIN/HO

Performance Data

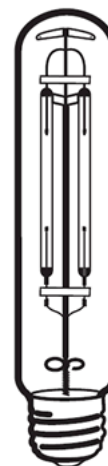
Rated Light Output (Lumens @ 100 hours)	16500
Lamp Lumens per Watt	110
Rated Life (Hrs @ 10Hr./Start)	40000
Correlated Colour Temperature (K)	2000
Chromaticity (CIE - X Y)	535,420
Colour Rendering Index (CRI) or (Ra)	25
Typical Warm Up Time (Minutes)	4
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal
Energy Rating (ErP)	A+ 165 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)	48.3
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5
Mercury Content (mg)	24

Lamp Electrical Data

Nominal Lamp Wattage (W)	150
Lamp Operating Voltage (V)	100
Lamp Operating Current (A)	1.8
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.