

Product Code: SODE/0002-SODE/0003

Description: HPS250W/T46/U/E40/Europe-HPS400W/T46/U/E40/Europe

Product Name: High Pressure Sodium Lamps

Technical Performance Data Sheet

SODE/0002:HPS250W/T46/U/E40

Light Output (Lumens/100Hrs)	28000/48000
Lamp Lumens Per Watt	112-120
Mean Output (Lumens)	23800-40800
Rated Life (Hours)	24000
Color Temperature (k)	2000K
Chromaticity (CIE-x/y)	NA
Color Rendering Index (CRI)	25
To 90% Warm Up Time (Minute)	5 Minutes
Hot Restart Time (Minute)	1 to 2 Minutes
Burning Position	UNIVERSAL



Physical Data/ Requirements

Base Designation	E40
Bulb Designation	T46
Bulb Diameter mm	Φ46
Max Overall Length (MOL) mm	257mm/287mm
Light Center Length (LCL) mm	153±5mm/175±5mm
Effective Arc Length	NA
Max Base Temperature	190C (374°F)
Max Bulb Temperature	450C (842°F)
Luminaire type	OPEN/ENCLOSED
Socket Pulse Rating (V)	≥5000V

SODE/0003:HPS400W/T46/U/E40



Electrical Data/ Requirement

Lamp Wattage (W)	250W/400W
Operating Voltage (V)	100V
Operating Current (Amps)	3.00A/4.60A
Min. Open Circuit Voltage (RMS)	198V
Min Max Starting Pulse (Peak v)	2500-4500V
Min Pulse Width (u sec)	1
Min Pulse Rate Per 1/2 Cycle	1
Pulse Position (Min.% OCV Peak)	60° ~ 90°
Revision :	12/11/2012

This lamp can cause skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured.

Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used, *This is for reference, not the absolute standard.