

TECHNICAL PERFORMANCE DATA SHEET

Product Code: ST-NG400

Description: HPS400W/T46/E40

Product Name: High pressure sodium lamp

SUNNYTEK™

Performance Data

Light Output (Lumens/100Hrs)	56000
Lamp Lumens Per Watt	140
Mean Output (Lumens)	48000
Rated Life (Hrs. 10 Hr. 1Start)	20000
Color Temperature (k)	2000K
Chromaticity (CIE-x/y)	----
Color Rendering Index (CRI)	25
To 60%-90% Warm Up Time (Minute)	4
Hot Restart Time (Minute)	3 to 5
Burning Position	Universal

Physical Data/ Requirements

Base Designation	E40
Bulb Designation	T46
Bulb Diameter mm	Φ46
Max Overall Length (MOL) mm	292
Light Centre Length (LCL) mm	178*
Effective Arc Length	----
Max Base Temperature(°C)	210°C
Max Bulb Temperature(°C)	480°C
Luminaire type	ENCLOSED
Socket Pulse Rating (KV)	≥5000V
Socket Style	MOGUL

Electrical Data/ Requirement

Lamp Wattage (W)	400W
Operating Voltage (V)	100V
Operating Current (Amps)	4.6A
Min. Open Circuit Voltage (RMS)	198V
Min Max Starting Pulse (Peak v)	3500-5000V
Min Pulse Width (u sec)	1
Min Pulse Rate Per 1/2 Cycle	1
Pulse Position(Min.% OCV Peak)	60-90°



Revision:

Warning: 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, lamps that will automatical extinguish when outer envelope is broken or punctures are commercially available.