

Product Code: SODE/0001-SODE/0004

Description: HPS70W/ED54/U/E27/Europe/HPS70W/ED70/C/SI/E27/Internal Igniter

Product Name: High Pressure Sodium Lamps

Technical Performance Data Sheet

SODE/0001: HPS70W/ED54/U/E27

Light Output (Lumens/100Hrs)	5800/5600
Lamp Lumens Per Watt	83-80
Mean Output (Lumens)	4900-4760
Rated Life (Hours)	20000/6000
Color Temperature (k)	2000K
Chromaticity (CIE-x/y)	NA
Color Rendering Index (CRI)	20/22
To 90% Warm Up Time (Minute)	5 Minutes
Hot Restart Time (Minute)	1 to 2 Minutes
Burning Position	UNIVERSAL



Physical Data/ Requirements

Base Designation	MEDIUM (E27)
Bulb Designation	ED54/ED70
Bulb Diameter mm	Φ55/Φ71
Max Overall Length (MOL) mm	141mm/156mm
Light Center Length (LCL) mm	87±2mm/NA
Effective Arc Length	NA
Max Base Temperature	190C (374°F)
Max Bulb Temperature	400C (842°F)
Luminaire type	OPEN/ENCLOSED
Socket Pulse Rating (V)	≥5000V

SODE/0004: HPS70W/ED70/C/SI/E27/Internal Igniter



Electrical Data/ Requirement

Lamp Wattage (W)	70W
Operating Voltage (V)	90V
Operating Current (Amps)	0.98A
Min. Open Circuit Voltage (RMS)	198V
Min Max Starting Pulse (Peak v)	2500-3500V/NA
Min Pulse Width (u sec)	1/NA
Min Pulse Rate Per 1/2 Cycle	1/NA
Pulse Position (Min.% OCV Peak)	60° ~ 90°
Revision :	17/09/2012

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.