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**SL.250W.U46.DSP**

**SUNMASTER<sup>®</sup>**  
**High Pressure Sodium Lamp**  
**E40 Tubular**

<b>Lamp Type</b>	Sunmaster Grow Lamps
<b>Product Number</b>	10037
<b>Control Gear</b>	HPS Ballast + Ignitor / Electronic

**Performance Data**

Initial Lumens (Lumens @ 100 hours)	33000
PAR Watts	85
Rated Life (Hrs. @10Hr. /Start)	24000+
Correlated Colour Temperature K	2000
Chromaticity (CIE - X,Y)	530 425
Colour Rendering Index (CRI)	25
Typical Warm Up Time (Minutes)	3 - 5
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal

**Physical Data / Requirements**

Base Designation	E40
Bulb Designation	T46
Bulb Diameter (mm)	46
Max. Overall Length (mm)	260
Light Centre Length (mm)	158
Effective Arc Length (mm)	64
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5

**Electrical Data / Requirements**

Lamp Wattage (W)	250
Operating Voltage (V)	100
Operating Current (Amps)	3.0
Min. Open Circuit Voltage (RMS)	198
Min.-Max. Starting Pulse (Peak V)	3800-4500
Min. Pulse Width @ 2700 Volts (µ sec)	1
Min. Pulse Rate Per ½ Cycle	1
Pulse Position (Min. % OCV Peak)	60-90 240-270

Revision:

**Notes**

The specification contains data about typical performance on 50Hz sine wave ballast at nominal power. Actual values may depend on ballast and applications.

Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.