

**SL.400W.U46.VRD**

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

<b>Lamp Type</b>	Sunmaster Grow Lamps
<b>Product Number</b>	10033
<b>Control Gear</b>	HPS Ballast + Ignitor / Electronic

**Performance Data**

Initial Lumens (Lumens @ 100 hours)	55000
PAR Watts	140
Rated Life (Hrs. @10Hr. /Start)	24000+
Correlated Colour Temperature K	2100
Chromaticity (CIE - X,Y)	512 420
Colour Rendering Index (CRI)	22
Typical Warm Up Time (Minutes)	3-4
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal

**Physical Data / Requirements**

Base Designation	E40
Bulb Designation	E18
Bulb Diameter (mm)	57
Max. Overall Length (mm)	248
Light Centre Length (mm)	146
Effective Arc Length (mm)	85
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	4

**Electrical Data / Requirements**

Lamp Wattage (W)	400
Operating Voltage (V)	100
Operating Current (Amps)	4.5
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.