



**PRODUCT SPECIFICATION BULLETIN**

**SL.1000W.U25.VRD**

**SUNMASTER®  
HPS Grow Lamp  
High Pressure Sodium**

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<b>Lamp Type</b>	HIGH PRESSURE SODIUM
<b>Product Number</b>	50595
<b>ANSI Designation</b>	S52

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**Performance Data**

Initial Lumens	150000
PAR Watts	358
Rated Life (Hrs. @10 Hr. / Start)	24000 V / H
Correlated Color Temperature K	2100
Chromaticity (CIE -X,Y)	.512 .420
Color Rendering Index (CRI)	22
Typical Warm Up Time (Minutes)	3-4
Typical Hot Restart Time (Minutes)	1
Burning Position	UNIVERSAL

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**Physical Data / Requirements**

Base Designation	MOGUL(E39)
Bulb Designation	E25
Bulb Diameter	3 3/32"
Max. Overall Length (MOL)	15 1/16"
Light Center Length (LCL)	8 3/4"
Effective Arc Length	230 mm
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Luminaire Type	OPEN/ENCLOSED
Socket Pulse Rating (KV)	5
Socket Style	OPEN RATED E39

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**Electrical Data / Requirements**

Lamp Wattage	1000
Operating Voltage (Nominal)	-
Operating Current (Amps)	-
Min. Open Circuit Voltage (RMS)	-
Min. -Max. Starting Pulse (Peak V)	-
Min. Pulse Width At 2250 Volts (u sec)	-
Min. Pulse Rate Per 1/2 Cycle	-
Pulse Position (Min. % OCV Peak)	-

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Revision: 1/31/2007 2272 - 4

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**Notes**

**THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30**  
**Warning: This lamp can cause skin burn and eye inflammation from shortwave 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 automatically extinguish when outer envelope is broken or punctured are commercially available.**