



**PRODUCT SPECIFICATION BULLETIN**

**LM.1000W.U37.NDX**

**SUNMASTER®  
Neutral Deluxe  
Metal Halide Grow Lamp**

<b>Lamp Type</b>	SINGLE ENDED METAL HALIDE
<b>Product Number</b>	80150
<b>ANSI Designation</b>	S52/E COMPATIBLE

**Performance Data**

Initial Lumens	105000
PAR Watts	315
Rated Life (Hrs. @10 Hr. / Start)	12000 V / 9000 H
Correlated Color Temperature K	4000
Chromaticity (CIE -X,Y)	.385 .390
Color Rendering Index (CRI)	65
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	10-15
Burning Position	UNIVERSAL

**Physical Data / Requirements**

Base Designation	MOGUL (E39)
Bulb Designation	BT37
Bulb Diameter	4 5/8"
Max. Overall Length (MOL)	11 1/2"
Light Center Length (LCL)	7"
Effective Arc Length	89 mm
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	450
Luminaire Type	ENCLOSED
Socket Pulse Rating (KV)	4
Socket Style	MOGUL

**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 2700 Volts (u sec)	-
Min. Pulse Rate Per 1/2 Cycle	-
Pulse Position (Min. % OCV Peak)	-

Revision: 10/14/2003 1877 - 3

**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.**