



PRODUCT SPECIFICATION BULLETIN

SM.1000W.BU37.NDX

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

Lamp Type	SINGLE ENDED METAL HALIDE
Product Number	80037
ANSI Designation	M47/E

Performance Data

Initial Lumens	115000
PAR Watts	345
Rated Life (Hrs. @10 Hr. / Start)	12000
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	BASE UP ± 15°

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	81.5MM
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)	263
Operating Current (Amps)	4.1
Min. Open Circuit Voltage (RMS)	530
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 1875 - 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.