



PRODUCT SPECIFICATION BULLETIN

SM.1000W.H37.WDX

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

Lamp Type	SINGLE ENDED METAL HALIDE
Product Number	80311
ANSI Designation	M47/E (CWA) OR REACTOR/IGNITO

Performance Data

Initial Lumens	115000
PAR Watts	345
Rated Life (Hrs. @10 Hr. / Start)	12000
Correlated Color Temperature K	3200
Chromaticity (CIE -X,Y)	.420 .395
Color Rendering Index (CRI)	65
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	8-12
Burning Position	HORIZONTAL ± 45°

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	77 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)	263
Operating Current (Amps)	4.1
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 1886 - 3

Notes

- ▶ Permitted rotation about axis ± 15°.
- ▶ All electrical requirements apply when a 50 hz. reactor/ignitor system is used.

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.