

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

<b>Lamp Type</b>	SINGLE ENDED METAL HALIDE
<b>Product Number</b>	80099
<b>ANSI Designation</b>	M47/E

**Performance Data**

Initial Lumens	80000
PAR Watts	320
Rated Life (Hrs. @10 Hr. / Start)	10000 V / 7500 H
Correlated Color Temperature K	6000
Chromaticity (CIE -X,Y)	.338 .351
Color Rendering Index (CRI)	65
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	8-12
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	81 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)	530
Min. -Max. Starting Pulse (Peak V)	3000-4000
Min. Pulse Width At 2700 Volts (u sec)	1
Min. Pulse Rate Per 1/2 Cycle	1
Pulse Position (Min. % OCV Peak)	90

Revision: 3/16/2004 1882 - 2

**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.**