



**PRODUCT SPECIFICATION BULLETIN**

**M.400W.U37.CDX**

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

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<b>Lamp Type</b>	SINGLE ENDED METAL HALIDE
<b>Product Number</b>	80309
<b>ANSI Designation</b>	M59/E

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**Performance Data**

Initial Lumens	30000
PAR Watts	110
Rated Life (Hrs. @10 Hr. / Start)	15000 V / 11250 H
Correlated Color Temperature K	5500
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

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**Physical Data / Requirements**

Base Designation	MOGUL (E39)
Bulb Designation	ED37
Bulb Diameter	4.6" (120mm)
Max. Overall Length (MOL)	11.5" (292mm)
Light Center Length (LCL)	7.0" (178mm)
Effective Arc Length	35.2 mm
Max. Base Temperature (°C)	210
Max. Bulb Temperature (°C)	400
Luminaire Type	ENCLOSED
Socket Pulse Rating (KV)	-
Socket Style	ENCLOSED RATED E39

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**Electrical Data / Requirements**

Lamp Wattage	400
Operating Voltage (Nominal)	135
Operating Current (Amps)	3.2
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)	-

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Revision: 10/1/2008 1880 - 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.**