



PRODUCT SPECIFICATION BULLETIN

M.400W.U37.CDX

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

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

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

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

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)	-

Revision: 10/1/2008 1880 - 4

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.