



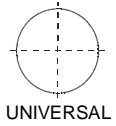
# Product Specification Bulletin

400 Watt

STANDARD METAL HALIDE

Clear - 4K

Mogul - Enclosed Luminaire



**MH 400W/U**

**Product Number**

**18520**

**Lamp Type**

SINGLE ENDED METAL HALIDE

**ANSI Designation**

M59/E

### Performance Data

<i>Light Output (Lumens @ 100 Hrs.)</i>	36000 V / 32400 H
<i>Lamp Lumens Per Watt</i>	90
<i>Mean Output (Lumens)</i>	23000
<i>Rated Life (Hrs. @ 10 Hr. / Start)</i>	20000 V / 15000 H
<i>Correlated Color Temperature K</i>	4000
<i>Chromaticity (CIE -X,Y)</i>	.385 .390
<i>Color Rendering Index (CRI)</i>	65
<i>Typical Warm Up Time (Minutes)</i>	3-5
<i>Typical Hot Restart Time (Minutes)</i>	8-12
<i>Burning Position</i>	UNIVERSAL

### Physical Data / Requirements

<i>Base Designation</i>	MOGUL (E39)
<i>Bulb Designation</i>	ED37
<i>Bulb Diameter</i>	4 5/8"
<i>Max. Overall Length (MOL)</i>	11 1/2"
<i>Light Center Length (LCL)</i>	7"
<i>Effective Arc Length</i>	35.4 mm
<i>Max. Base Temperature (°C)</i>	210
<i>Max. Bulb Temperature (°C)</i>	400
<i>Luminaire Type</i>	ENCLOSED
<i>Socket Pulse Rating (KV)</i>	-
<i>Socket Style</i>	ENCLOSED RATED E39

### Electrical Data / Requirements

<i>Lamp Wattage</i>	400
<i>Operating Voltage (Nominal)</i>	135
<i>Operating Current (Amps)</i>	3.2
<i>Min. Open Circuit Voltage (RMS)</i>	-
<i>Min. -Max. Starting Pulse (Peak V)</i>	-
<i>Min. Pulse Width At 2700 Volts (u sec)</i>	-
<i>Min. Pulse Rate Per 1/2 Cycle</i>	-
<i>Pulse Position (Min. % OCV Peak)</i>	-

**Revision:** 3/13/2007

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### Notes

- ▶ Lamp operates on standard 400 watt (M59) metal halide ballast.
- ▶ Nominal color temperature rating is based on vertical ( $\pm 15^\circ$ ) operation of the lamp. Off vertical positions will result in higher color temperature.

**Lamps**

**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.