400 Watt Probe Start Lamp Data Sheet

MH 400W/U GENERAL Characteristics

**Lamp Type**: Standard MH Single Ended

**ANSI Code**: M59/E

**Bulb Shape**: ED37

**Base Type**: Mogul (E39)

**Bulb Finish**: Clear

**Rated Life (V)**: 20000 hours

**Rated Life (H)**: 15000 hours

**Operating Position**: Universal

PHOTOMETRIC

**Initial Lumens / LPW (V)**: 36000 / 90

**Initial Lumens / LPW (H)**: 32400 / 81

**Lamp Lumen Depreciation (LLD)**: 0.65 (65%) @ 8000 hours

**Correlated Color Temperature**: 4000K

**Chromaticity Coordinates (CIE-x,y)**: .385 .390

**Color Rendering Index (CRI) Ra**: 65

PHYSICAL

**Bulb Diameter**: 4.6" (120mm)

**Max. Overall Length (MOL)**: 11.5" (292mm)

**Light Center Length (LCL)**: 7.0" (178mm)

**Effective Arc Length**: 35.4 mm

**Max. Base Temperature (°C)**: 210

**Max. Bulb Temperature (°C)**: 400

**Socket Pulse Rating (KV)**: -

**Luminaire Type**: Enclosed Rated

ELECTRICAL

**Lamp Watts**: 400

**Lamp Oper. Voltage (Nom.)**: 135

SUSTAINABILITY

**Mercury Amount (mg)**: 55.0

**Picograms of Hg per Mean Lumen Hour (V)**: 118

NOTES

- Lamp performance ratings published in this data sheet are based upon operation with magnetic ballasts.
- Performance ratings of Universal lamps are based upon Vertical (±15") operation.
- Dimming applicable only when lamp is installed in the Base Up ±15° (BU±15°) position.
- To calculate nighttime Scotopic lumens, multiply the lumen rating by the S/P ratio (1.7).

**Spectral Distribution**

**Lumen Maintenance**

**Lamp Mortality**

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