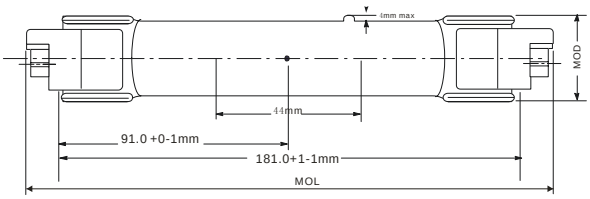
# Double Ended Pulse Start MH 400W Lamp

# 502640

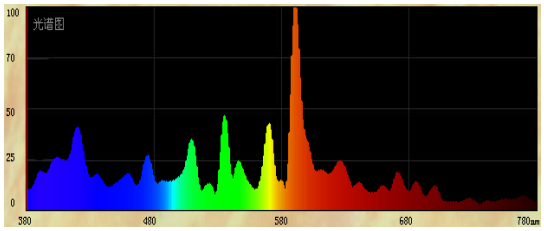
**Clear – 4K**

**Enclosed Fixture**

HOR±45°




## Spectral Power Distribution




## Ordering Information

| | |
|---|---|
| Product Code | 502640 |
| Description | TMHD400/Fc2/4K/UVS/HPS |
| Lamp Type | Double Ended |
| UPC | 225160235311 |

## Performance Characteristics

| | |
|---|---|
| Rated Initial Lumens @ 100hr (lm) | 39,000 |
| Initial Lumens Per Watt (lm/W) | 95 |
| Correlated Color Temperature (K) | 4000 |
| Color Rendering Index | 70 |
| Rated Average Life (hrs) | 10,000 |
| Typical Warm up time (min) | 5 |
| Typical Hot Restart time (min) | 10 |
| Operating Position | HOR±45° |

## Electrical Data/Requirements

| | |
|---|---|
| Nominal Lamp Wattage (W) | 400 |
| Nominal Lamp Operating Voltage (V) | 105 |
| Nominal Lamp Current (Amps) | 4.2 |
| Min. -Max. starting current (Amps) | 4.0 - 7.6 |
| Ballast Requirements | Rated for HPS 400W lamp |
| **Ignitor Requirements** | |
| Min. -Max. Pulse Height (kV) | 3.0-5.0 |

## Physical Characteristics

| | |
|---|---|
| Base Designation | Fc2 |
| Bulb Designation | T30 (T9.5) |
| Bulb Diameter (mm) | 32 |
| Max. Overall Length (MOL) (mm) | 205 |
| Light Center Length (LCL) (mm) | / |
| Max. base - bulb eccentricity (deg) | 3 |
| Max. Base Temperature (℃) | 250 |
| Max. Bulb Temperature (℃) | 680 |
| Min. Operating Temperature (℃) | -30 |

## Reference Ballast Characteristics

| | |
|---|---|
| Rated Input Voltage (V) | 220 50Hz / 60Hz |
| Reference Current (A) | 4.6 |
| Impedance (Ω) | 38.3 |
| Power Factor | 0.075±0.005 |

***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 OPERATE LAMP if the outer bulb is cracked or broken. If this occurs, switch the supply off immediately and when the lamp has cooled sufficiently, using suitable protective clothing to remove the lamp from the fixture.*