ConstantColor®
CMH® SPXX

Sparkling Color With
Startling Performance!

Now Available in Multiple Energy
Saving Wattages: 250, 320, 350 & 400 Watt

Energy Savings
Reduce your energy costs by up to $224* per fixture
Or, save by reducing fixture count with same wattage lamps

Great Color Rendering Index (CRI)
- Up to 90
Ideal for all applications, especially where color is important.

Improved Spectral Distribution
Vibrant reds, blues, greens and yellows

Better than PulseArc Lamps
Excellent Lumen Maintenance > (80%).
Same Long Life and Lumen Output.

Maintains Constant Color Over Time
Maintains constant color over time for uniform ceilings and stores.

Rated for Open Fixtures
Excellent for General Lighting Applications.
Easy Installation.

Vertical Base Up or Vertical Base Down Operation

Operates on Pulse Ignitor Ballasts
Direct Replacement for 250 Watt, 320 Watt, 350 Watt and 400 Watt Pulse Start Lamps.
Operates on Approved Ballasts Only.
Do not use on High Frequency Electronic Ballasts.

* Using a 320W CMH system to replace a standard 400W metal halide system @ 10¢ kWh over the life of the lamp
### ConstantColor® CMH® SPXX

<table>
<thead>
<tr>
<th>400W Clear</th>
<th>400W Coated</th>
<th>320W Clear</th>
<th>320W Coated</th>
<th>250W Clear</th>
<th>250W Coated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>17259</td>
<td>17260</td>
<td>17264</td>
<td>17267</td>
<td>48429</td>
</tr>
<tr>
<td>Ordering Abbreviation</td>
<td>CMH400/V/PA/O</td>
<td>CMH400/C/V/PA/O</td>
<td>CMH320/V/PA/O</td>
<td>CMH320/C/V/PA/O</td>
<td>CMH250/V/PA/O</td>
</tr>
</tbody>
</table>

### Photometric Characteristics:
- **Reference Initial Lumens**: 37,000
- **Mean Lumens (40% rated life)**: 29,600
- **Rated life (hrs.)**: 20,000
- **Color Temperature (CCTI K33)**: 4200 K
- **Warm-Up Time (Minutes) to 90 %**: < 3 Min.
- **Hot Restart Time (Minutes) to 90 %**: 17 Min.

### Electrical Characteristics:
- **Nominal Volts**: 145 - 245
- **Nominal Watts**: 400
- **Nominal Lamp Amps - Starting**: 4.1
- **Nominal Lamp Amps - Operating**: 3.25
- **Max. Current Crest Factor**: 1.8
- **Min. Open Circuit Voltage**: 117.5 (4 5/8")

### Physical Characteristics:
- **Hot Restart Time (Minutes) to 90 %**: < 3 Min.
- **Warm-Up Time (Minutes) to 90 %**: 17 Min.
- **Arc Length (mm)**: 25 (1")
- **Nominal Watts**: 400
- **Nominal Volts**: 145 - 245
- **Nominal Lamp Amps - Starting**: 4.1
- **Nominal Lamp Amps - Operating**: 3.25
- **Max. Current Crest Factor**: 1.8
- **Min. Open Circuit Voltage**: 117.5 (4 5/8")

### Luminaire Characteristics:
- **Open or Enclosed**: Yes
- **Socket Type**: Std./Open Socket
- **Base Type**: EX39 Mog
- **Bulb Material**: Hard Glass
- **Max. Base Temperature**: 210 C
- **Max. Bulb Temperature**: 400 C
- **Max. Eccentricity**: Bulb to Base
- **Max. Eccentricity**: Bulb to Arc Axis

### Additional comments:
- **Protected Arc Tube**: Yes
- **Open or Enclosed**: Yes
- **Protected Arc Tube**: Yes
- **Open or Enclosed**: Yes
- **Protected Arc Tube**: Yes
- **Open or Enclosed**: Yes

### Lumen Maintenance:
- **Lampe Mortality**: 0%
- **Lumen Initial**: 37,000
- **Lumen Initial**: 36,000
- **Lumen Initial**: 31,000
- **Lumen Initial**: 30,000
- **Lumen Initial**: 23,000
- **Lumen Initial**: 22,000

**High Watt CMH® Lamp Mortality**

*Specifications are estimates based on preliminary design calculations, and are subject to change without notice.*

**High Watt CMH® Lumen Maintenance**

**R. WARNING:** This lamp can cause serious 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 the outer envelope is broken or punctured are commercially available.

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions.

For additional product and application information, please consult GE’s Website: [www.gelighting.com](http://www.gelighting.com)