

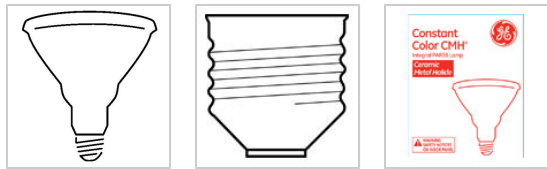


GE  
Lighting

## 76224 - CMHI23P38SP/ECO

GE ConstantColor® CMH® Ceramic Metal Halide Integral PAR38

- Passes TCLP, which can lower disposal costs.



### CAUTIONS & WARNINGS

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, and the arc tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. Visit the FDA website for more information: <http://www.fda.gov/cdrh/radhealth/products/urburns.html>

#### Caution

- Risk of Burn
  - Allow lamp to cool before handling.
  - Do not turn on lamp until fully installed.
- Lamp may shatter and cause injury if broken
  - Dispose of lamp in a closed container.
  - Do not use excessive force when installing lamp.
  - Do not use lamp if outer glass is scratched or broken.

#### Warning

- A damaged lamp emits UV radiation which may cause eye/skin injury
  - Turn power off if glass bulb is broken. Remove and dispose of lamp.
- Risk of Fire
  - Keep combustible materials away from lamp.
  - Do not use in totally enclosed recessed fixtures
- Risk of Electric Shock
  - Do not open - no user serviceable parts inside.
  - Do not use where directly exposed to water.
  - Turn power off before inspection, installation or removal.
  - Not for use with dimmers
- Unexpected lamp rupture may cause injury, fire, or property damage
  - Do not exceed rated voltage.
  - Do not store flammable materials near/below lamp.
  - Do not turn on lamp until fully installed.
  - Do not use beyond rated life.
  - Do not use lamp if outer glass is scratched or broken.

### GRAPHS & CHARTS

Graphs\_Lamp Mortality

### GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Ceramic Metal Halide
Bulb	Integral PAR38
Base	Medium Screw (E26)
Bulb Finish	Clear
Rated Life (NOM)	12000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Open or enclosed fixtures
Base Temperature (MAX)	80.0 °C
Bulb Temperature (MAX)	100.0 °C
Mercury Content (NOM)	2.53 mg
Picograms of Mercury (NOM)	148.8 pg
Additional Info	TCLP compliant

### PHOTOMETRIC CHARACTERISTICS

Initial Lumens (NOM)	1400.0
Nominal Initial Lumens per Watt (NOM)	60.86957
Beam Spread (NOM)	10.0 °
Center Beam Candlepower (CBCP) (NOM)	28000.0
Color Temperature (NOM)	3000.0 K
Color Rendering Index (CRI) (NOM)	81.0

### ELECTRICAL CHARACTERISTICS

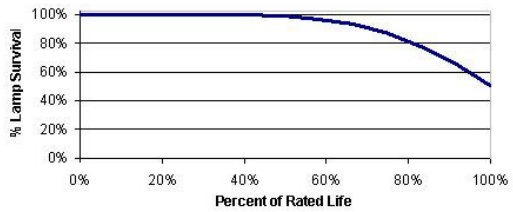
Amps (NOM)	0.36 A
Wattage (NOM)	23.0
Voltage (NOM)	120.0
Burn Position	Universal burning position
Warm Up Time to 90% (NOM)	90.0 s
Hot Restart Time to 90% (NOM)	10.0 min

### DIMENSIONS

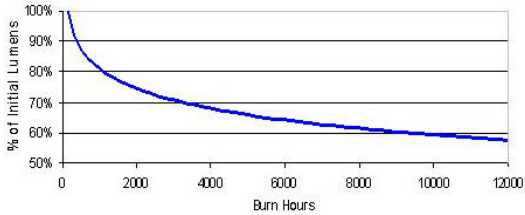
Maximum Overall Length (MOL) (NOM)	5.350 in(135.9 mm)
Bulb Diameter (DIA) (MAX)	4.750 in(120.6 mm)
Bulb Diameter (DIA) (NOM)	4.880 in(124.0 mm)

### PRODUCT INFORMATION

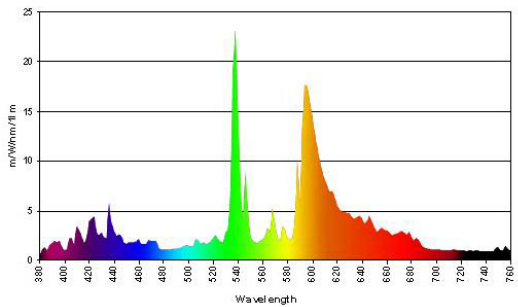
Product Code	76224
Description	CMHI23P38SP/ECO
ANSI Code	n/a
Standard Package	Case
Standard Package GTIN	10043168762240
Standard Package Quantity	6
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	6
UPC	043168762243



### Graphs\_Lumen Maintenance



### Graphs\_Spectral Power Distribution



### NOTES

- Rated life based on 11 hours per start
- UV Control is a quartz material that effectively cuts UVB and UVC radiation.
- ARC tube fill gas contains Kr85
- CMH® lamps may operate 24 hours a day/7 days a week to rated life—no shut off required
- This product complies with Part 18 of the FCC Rules, but may cause interference to radios, televisions, wireless telephones, and remote controls. Avoid placing this product near these devices. If interference occurs, move the product away from the device or plug either into a different outlet. Do not install this product near maritime safety equipment or other critical navigation or communication equipment operating between 0.45-30 MHz. This device is not intended for use with emergency exit fixtures or lights, electronic timers, photocells, or with dimmers
- Use only on 120V, 60Hz circuits. Do not operate with additional ballasts. Do not use where directly exposed to water.
- When illuminating light-sensitive materials use of an extra UV filter is recommended.
- Lamps may require several hours of operation to stabilize in color. Color change may also be affected by shock and vibration. Color appearance may vary between individual lamps.