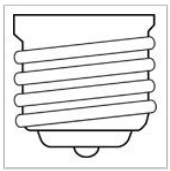
GE Lighting

93295 - CMH400/U/830/R

GE ConstantColor® Chromafit™ CMH® Ceramic Metal Halide ED18



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

- 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.
  - Wear safety glasses and gloves when handling lamp.

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 Burn
  - Allow lamp to cool before handling.
  - Do not turn on lamp until fully installed.
- Risk of Electric Shock
  - Do not use where directly exposed to water or outdoors without an enclosed fixture.
  - Turn power off before inspection, installation or removal.
- Risk of Fire
  - Keep combustible materials away from lamp.
  - Turn power off if glass bulb is broken, even if bulb continues to light. Remove and dispose of lamp.
  - Use in fixture rated for this product.
- Unexpected lamp rupture may cause injury, fire, or property damage
  - Do not exceed rated voltage.
  - 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.
  - Do not use where directly exposed to water or outdoors without an enclosed fixture.
  - Operate lamp only in specified position.
  - Use in enclosed fixture rated for this product.
  - Use only properly rated ballast.

NOTES

- Color Temperature - 3000K (Horizontal Burn Position); 3600K (Vertical Burn Postion)
- Rated life based on 11 hours per start
- Use with approved ballast, do not use on high frequency electronic ballasts

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Ceramic Metal Halide
Bulb	ED18
Base	Mogul Screw (E39)
Bulb Finish	Clear
Rated Life (NOM)	20000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Enclosed fixtures only
Base Temperature (MAX)	210.0 °C
Bulb Temperature (MAX)	400.0 °C
Mercury Content (NOM)	38.0 mg
Picograms of Mercury (NOM)	60.7 pg

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (NOM)	41000.0
Mean Lumens (NOM)	31300.0
Nominal Initial Lumens per Watt (NOM)	102.5
Color Temperature (NOM)	3000.0 K
Color Rendering Index (CRI) (NOM)	82.0

ELECTRICAL CHARACTERISTICS

Wattage (NOM)	400.0
Burn Position	Universal burning position
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min
Warm Up Time to 90% (NOM)	2.0 min
Hot Restart Time to 90% (MIN)	10.0 min
Hot Restart Time to 90% (MAX)	15.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	9.760 in(247.9 mm)
Bulb Diameter (DIA) (MAX)	2.250 in(57.2 mm)
Bulb Diameter (DIA) (NOM)	2.300 in(58.4 mm)
Light Center Length (LCL) (NOM)	5.750 in(146.0 mm)

PRODUCT INFORMATION

Product Code	93295
Description	CMH400/U/830/R
ANSI Code	M169/S51
Standard Package	Case
Standard Package GTIN	10043168932957
Standard Package Quantity	12
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168932950