

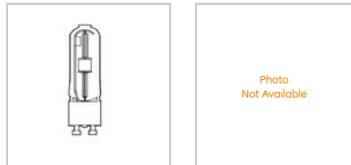
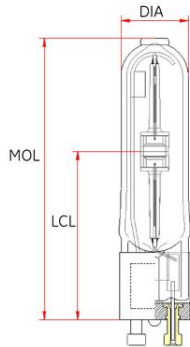


GE  
Lighting

## 85086 - CMH20T/U830GU6.5

GE ConstantColor® CMH® Ceramic Metal Halide T4 - Retail Display

- Rated life based on 11 hours per start
- Use only with low frequency square wave (LFSW) electronic ballast.



### 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
  - Do not use lamp if outer glass is scratched or broken.
  - Do not use excessive force when installing lamp.
- Risk of Burn
  - Allow lamp to cool before handling.
  - Do not turn on lamp until fully installed.

#### 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.
  - Use in fixture approved for this product.
  - Use fused or thermally protected ballast - see instructions.
- 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.
  - Use in enclosed fixture rated for this product.
  - Use only properly rated ballast.
  - Normal handling with bare hands is acceptable. Excessive handling of the quartz outer bulb should be avoided.
- Risk of Electric Shock
  - Turn power off before inspection, installation or removal.
  - Do not use where directly exposed to water or outdoors without an enclosed fixture.

### GRAPHS & CHARTS

Graphs\_Lamp Mortality

### GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Ceramic Metal Halide
Bulb	T4
Base	GU6.5
Bulb Finish	Clear
Rated Life (NOM)	12000.0 h
Bulb Material	Quartz
Lamp Enclosure Type (LET)	Enclosed fixtures only
Base Temperature (MAX)	280.0 °C
Bulb Temperature (MAX)	400.0 °C
Mercury Content (NOM)	2.53 mg
Picograms of Mercury (NOM)	197.8 pg
Additional Info	UV control
Primary Application	Retail Display

### PHOTOMETRIC CHARACTERISTICS

Initial Lumens (NOM)	1615.0
Mean Lumens (NOM)	1066.0
Nominal Initial Lumens per Watt (NOM)	80.75
Color Temperature (NOM)	3000.0 K
Color Rendering Index (CRI) (NOM)	81.0

### ELECTRICAL CHARACTERISTICS

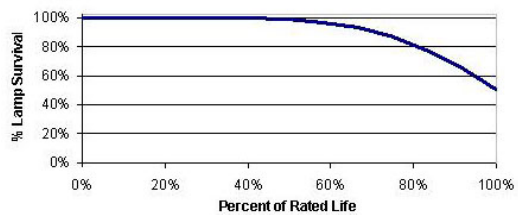
Wattage (NOM)	20.0
Burn Position	Universal burning position
Warm Up Time to 90% (NOM)	3.0 min
Hot Restart Time to 90% (NOM)	5.0 min

### DIMENSIONS

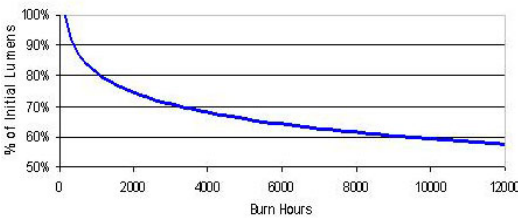
Maximum Overall Length (MOL) (NOM)	2.230 in(56.6 mm)
Bulb Diameter (DIA) (MAX)	0.500 in(12.7 mm)
Bulb Diameter (DIA) (NOM)	0.472 in(12.0 mm)
Light Center Length (LCL) (NOM)	1.180 in(30.0 mm)

### PRODUCT INFORMATION

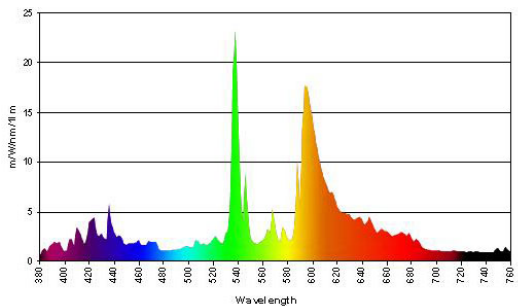
Product Code	85086
Description	CMH20T/U830GU6.5
ANSI Code	C156/ M156
Standard Package	Case
Standard Package GTIN	10043168850862
Standard Package Quantity	12
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168850865



Graphs\_Lumen Maintenance



Graphs\_Spectral Power Distribution



NOTES

- Use only with low frequency square wave (LFSW) electronic ballast.