

# GE ConstantColor® CMH® Mini Lamps



**Uniform,  
Consistent Color**

**Point Source for  
Design Flexibility**

**Energy Savings**

Featuring huge energy savings – from **\$33.00 to \$260.00\* per lamp**– and the widest range of Ceramic Metal Halide "mini" single-ended G8.5 lamps, from the GE 20-Watt up to 70-Watts.

## **Color uniformity lamp-to-lamp**

Ceilings will look clean and bright, with minimal color variation lamp-to-lamp. ConstantColor® CMH® provides a consistent "white look" for color-critical applications such as retail display.

## **Excellent color rendering**

Warm white light (>80 CRI @ 3000K) and crisp cool white (>90 CRI @ 4200K) are available for setting the desired look for the application.

## **Highly efficient**

4 times more lumens per watt than comparable incandescent or halogen lamps.

## **Long life**

Lamp life of 12,000 up to 15,000 hours provides for extended relamp cycles and reduced maintenance costs.

## **Point source of light**

Compact quartz envelope allows for terrific fixture optics to maximize system efficiency.



\* Savings @ 10¢ kWh over the life of the lamp - \$33.00 using a 20 CMH® to replace a 75 watt halogen, \$260.00 using a 70 CMH® to replace a 250 watt halogen



**imagination at work**

# ConstantColor® CMH® Mini Lamps

## Product Information

	20-Watt 3000K	39-Watt 3000K	39-Watt 4000K	70-Watt 3000K	70-Watt 4000K
Product Code	92696	90352	29698	92585	29701
Refer to ANSI Code	M156	M130	M130*	M98 or M139	M98 or M139
Description	CMH20/TC/U/830/G8.5	CMH39/TC/U/830/G8.5	CMH39/TC/U/842/G8.5	CMH70/TC/U/830/G8.5	CMH70/TC/U/942/G8.5

## Physical Characteristics

Burn Position	Universal	Universal	Universal	Universal	Universal
Bulb Designation	T4.5	T4.5	T4.5	T4.5	T4.5
Bulb Material	UVC Quartz				
Bulb Finish	Clear	Clear	Clear	Clear	Clear
Bulb Nominal Diameter, mm	14.5	14.5	14.5	14.5	14.5
Base Type	G8.5	G8.5	G8.5	G8.5	G8.5
Light Center Length, mm	52	52	52	52	52
Max. Overall Length, mm	85	85	85	85	85
Arc Gap Length, mm	3.35	4.70	4.30	7.40	5.50
Max. Bulb Temp C	340	410	410	590	590
Max Base Temp C	150	190	190	280	280

## Luminaire Characteristics

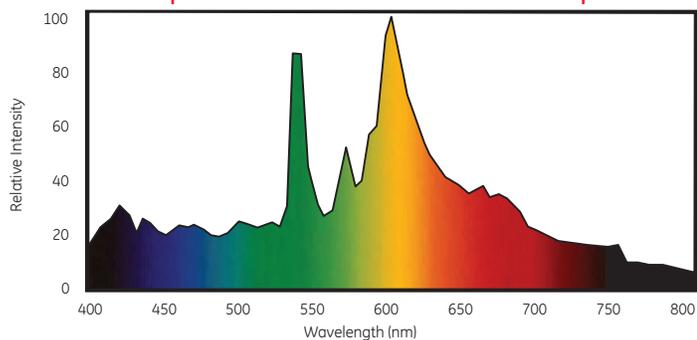
	Enclosed Fixture Only				
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## Electrical/Photometric Characteristics

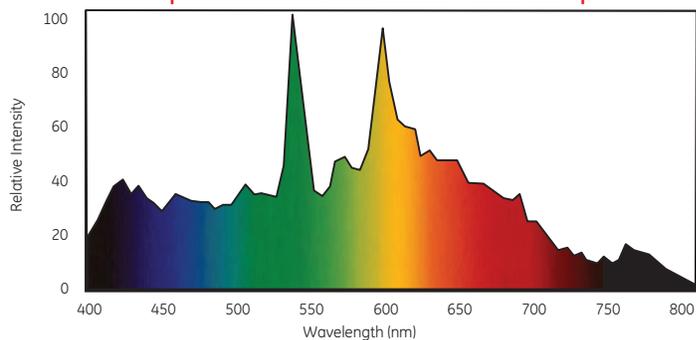
Nominal Lamp Watts	20	39	39	70	70
Nominal Lamp Volts	90	90	90	90	90
Nominal Lamp Amps	.226	.500	.500	.980	.980
Initial Lumens	1650	3400	3150	6200	6000
Mean Lumens (40% Rated Life)	1090	2300	2700	4400	4600
Average Rated Life (Hrs.) 10 Hrs./Start	12000	15000	12000	15000	15000
Color Rendering Index (Ra) CRI@K	81 @ 3000K	84 @ 3000K	88 @ 4200K	83 @ 3000K	90 @ 4200K
Warm-up time (Minutes) to 90%	2 Max	3 Max	3 Max	3 Max	3 Max
Hot Restart Time (Minutes) to 90%	3 Max	15 Max	15 Max	15 Max	15 Max
Chromaticity Coordinates: X	.435	.435	.375	.435	.375
Chromaticity Coordinates: Y	.400	.400	.370	.400	.370

\*Use Electronic Ballast for Optimized Performance

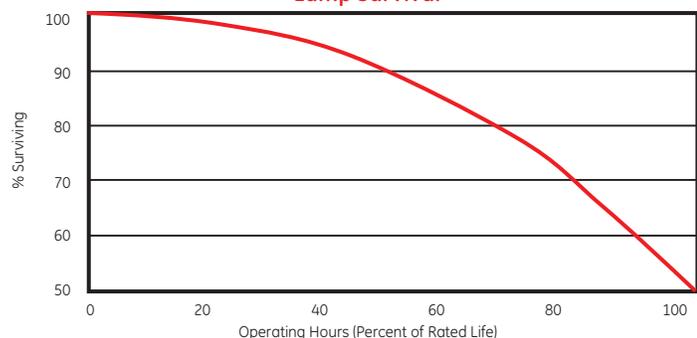
Spectral Power Distribution - 3000K Lamp



Spectral Power Distribution - 4200K Lamp



Lamp Survival



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

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