GE Consumer & Industrial
Lighting

GE ConstantColor® CMH® Single-Ended G12 Lamps

Featuring huge energy savings – from ***$33.00 to $260.00* per lamp*** – and the widest range of Ceramic Metal Halide single-ended lamps, from the GE exclusive 20-Watt all the way up to 150-Watts.

Uniform, Consistent Color

Energy Savings

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.

Robust ceramic base

Durable G12 ceramic bases allow for easy installation and terrific optical control.

imagination at work

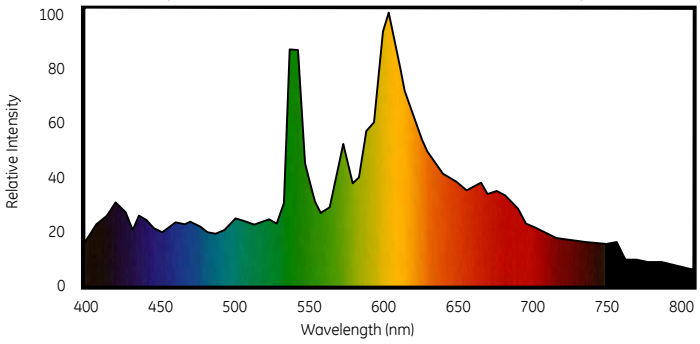
* Savings @ 10¢ kWh over the life of the lamp - $33.00 using a 20 CMH® to replace a 75 watt halogen, $260.00 using a 70 CMH® to replace a 250 watt halogen

ConstantColor® CMH® Single-Ended G12 Lamps

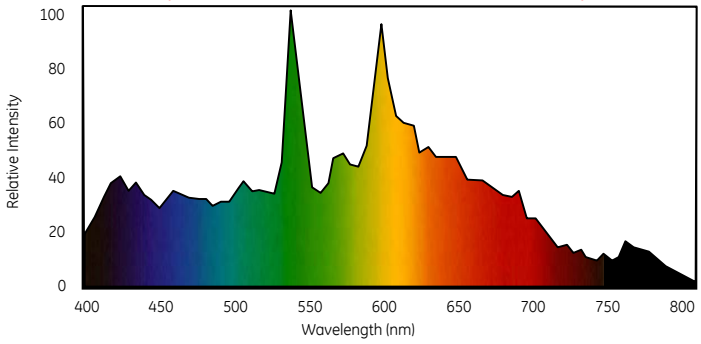
Product Information	20-Watt 3000K	39-Watt 3000K	39-Watt 4000K	70-Watt 3000K	70-Watt 4000K	150-Watt 3000K	150-Watt 4000K
Product Code	29703	20153	29696	20016	20023	20017	20018
Refer to ANSI Code	M156	M130	M130	M139	M139	M102 or M142	M102 or M142
Description	CMH20/T/U /830/G12	CMH39/TUVCU /830/G12	CMH39/T/U /842/G12	CMH70/TU /830/G12	CMH70/TU /942/G12	CMH150/TU /830/G12	CMH150/TU /942/G12
Physical Characteristics							
Burn Position	Universal	Universal	Universal	Universal	Universal	Universal	Universal
Bulb Designation	T4.5	T4.5	T4.5	T6	T6	T6	T6
Bulb Material	UVC Quartz	UVC Quartz	UVC Quartz	UVC Quartz	UVC Quartz	UVC Quartz	UVC Quartz
Bulb Finish	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Bulb Nominal Diameter, mm	14.5	14.5	14.5	19	19	19	19
Base Type	G12	G12	G12	G12	G12	G12	G12
Light Center Length, mm	56	56	56	56	56	56	56
Max. Overall Length, mm	88	88	88	88	88	100	100
Arc Gap Length, mm	3.35	4.70	4.30	7.40	5.5	10.5	10
Max. Bulb Temp C	340	410	410	475	475	650	650
Max Base Temp C	79	79	79	100	100	100	100
Luminaire Characteristics	Enclosed Fixture Only	Enclosed Fixture Only	Enclosed Fixture Only	Enclosed Fixture Only	Enclosed Fixture Only	Enclosed Fixture Only	Enclosed Fixture Only
Electrical/Photometric Characteristics							
Nominal Lamp Watts	20	39	39	70	70	150	150
Nominal Lamp Volts	90	90	90	90	90	93	93
Nominal Lamp Amps	.226	.500	.500	.980	.980	1.85	1.85
Initial Lumens	1600	3400	3150	6200	6000	14000	13000
Mean Lumens (40% Rated Life)	1060	2300	2700	4400	4600	11000	11000
Average Rated Life (Hrs.) 10 Hrs./Start	12,000	15,000	12,000	15,000	15,000	12,000	12,000
Color Rendering Index (Ra) CRI@K	81 @ 3000K	84 @ 3000K	88 @ 4200K	83 @ 3000K	93 @ 4200K	82 @ 3000K	94 @ 4200K
Warm-up time (Minutes) to 90%	2 Max	2 Max	3 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	15 Max	15 Max
Chromaticity Coordinates: X	.435	.435	.375	.435	.375	.435	.375
Chromaticity Coordinates: Y	.400	.400	.370	.400	.370	.400	.370

*Use electronic ballast for optimal performance

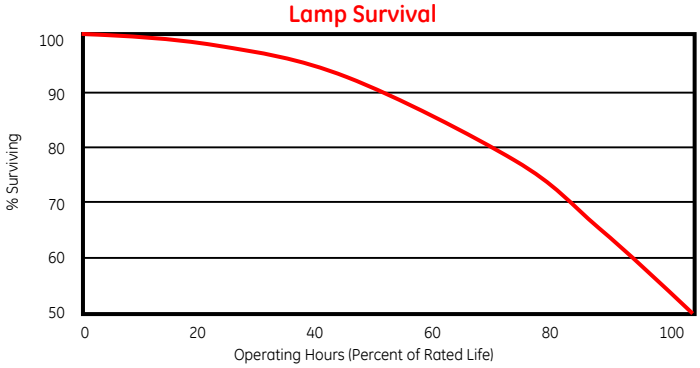
Spectral Power Distribution - 3000K Lamp



Spectral Power Distribution - 4200K Lamp



Lamp Survival



For additional product and application information, please consult GE's Website: **www.gelighting.com**

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