

GE Consumer & Industrial
Lighting

ConstantColor[®] CMH[®] Precise[™] MR16

20 and 39 Watt GX10 TAL

Excellent efficiency - HID source

Reduce energy costs by up to \$92.00 per lamp*
when using a 39 watt CMH[®] MR16 (requires new fixture to
replace a 120 watt halogen)

Up to 3 times as efficient as halogen

Twist and Lock Base Design

Provides secure alignment

Easy installation

Robust base reduces annoying pin degradation

Great Color

80 CRI 3000K -20 Watt

90 CRI 3000K -39 Watt

92 CRI 4000K -39 Watt

Superior optical design

MR16 Reflector for maximum beam control

Available in 12° Spot, 25° Flood and 40° wide flood

Long Life

Up to 12,000 hours life provides for extended relamp cycles
and reduced maintenance costs.

* @ 10¢kWh over life of the lamp



Superior Beam Control

Quality Color

Excellent Efficiency



Excellent Halogen Replacement



imagination at work

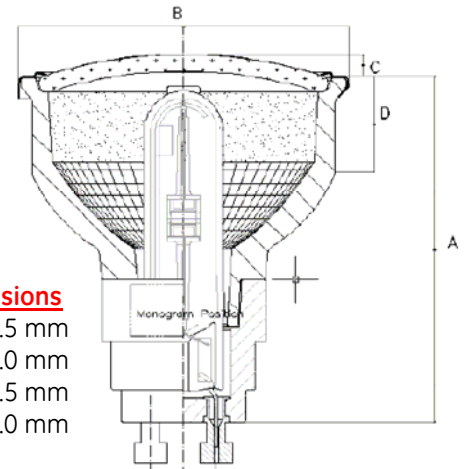
GE ConstantColor® CMH® Precise™ MR16

Product Information

Product Code	Description	ANSI Code	Product Code	Description	ANSI Code
85101	CMH20MR16/830/SP	M156	71488	CMH39MR16/930/SP	M130
85110	CMH20MR16/830/FL	M156	71489	CMH39MR16/930/FL	M130
97638	CMH20MR16/830/WFL	M156	71490	CMH39MR16/930/WFL	M130
			71491	CMH39MR16/942/SP	M130
			71492	CMH39MR16/942/FL	M130
			71493	CMH39MR16/942/WFL	M130

Physical Characteristics

	20W	39W-3000K	39W-4000K
Lamp Wattage	20W	39W-3000K	39W-4000K
Bulb Designation	MR16	MR16	MR16
Base Type	GX10 Twist and Lock	GX10 Twist and Lock	GX10 Twist and Lock
Burn Position	Universal	Universal	Universal
Rated Life	12,000 Hours	10,000 Hours*	12,000 Hours*
Initial Lumens	1000	2,100	2,100
CBCP - 12° Spot	9,000 cd/m ²	16,000 cd/m ²	16,000 cd/m ²
- 25° Flood	2,900 cd/m ²	5,500 cd/m ²	5,500 cd/m ²
- 40° Wide Flood	1,500 cd/m ²	3,000 cd/m ²	3,000 cd/m ²
CCT	3,000K	3,000K	4,000K
CRI	80	90	92
Beam Angle	12, 25, 40	12, 25, 40	12, 25, 40
Volts	90	90	90
Max. Base Temp.	200° C	300° C	300° C
Max. Bulb Temp.	200° C	300° C	300° C
LCL	NA	NA	NA
MOL	58mm	58mm	58mm
Overall Length w/ Pins	64.4mm	64.4mm	64.4mm
Fixture Requirement	Open Rated	Open Rated	Open Rated
Max. Fixture Voltage-Rise	5 Volts	5 Volts	5 Volts
Ballast Requirement	ANSI M156	ANSI M130	ANSI M130



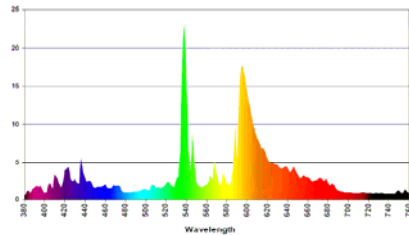
Dimensions

- A 54.5 mm
- B 51.0 mm
- C 3.5 mm
- D 14.0 mm

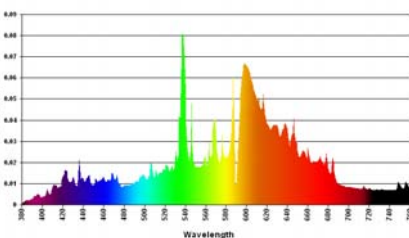
*Initial life at launch. Life test continues to establish final rated life.

Spectral Power Distribution

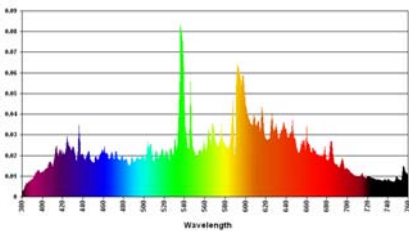
CMH20MR16



Spectral Power Distribution CMH39MR16/930

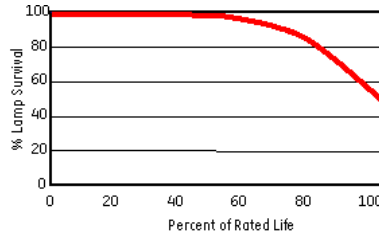


Spectral Power Distribution CMH39MR16/942

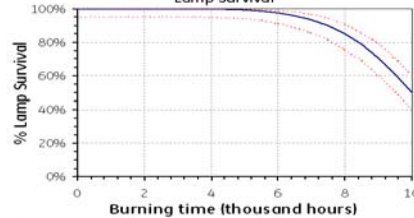


Survival

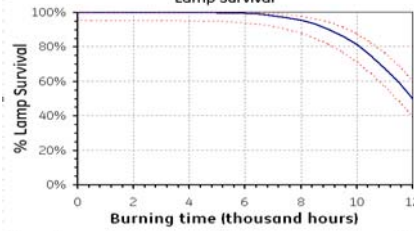
CMH20MR16



CMH39W 3000k MR16 Lamp Survival

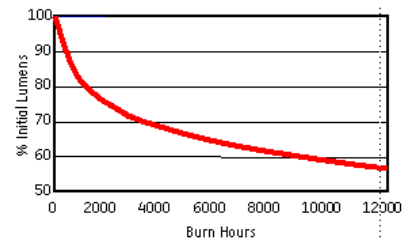


CMH 39W 4000k MR16 Lamp Survival

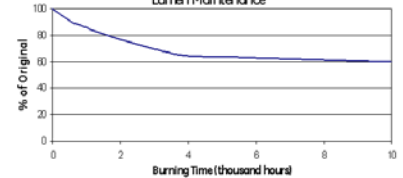


Lumen Maintenance

CMH20MR16



CMH39W 3K MR16 Lumen Maintenance



CMH 39W 4K MR16 Lumen Maintenance

