

USHIO

MR-16 REFLECTOR LAMPS

ULTRALINE™ SERIES



10,000 HOUR MR-16 REFLECTOR LAMPS FOR GENERAL LIGHTING

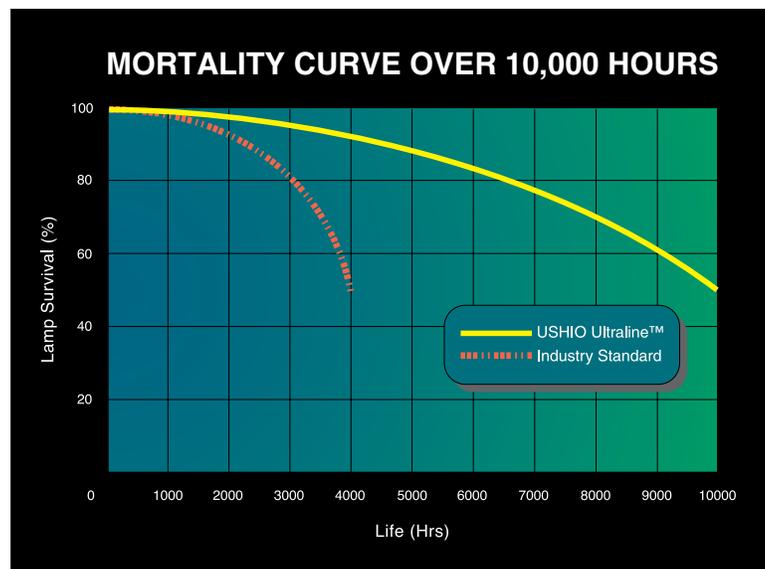
The exceptional performance of the Ultraline™ MR-16 reflector lamps are a result of our advancements in our filament design and gas fill technologies. Manufactured under ISO 9001 guidelines, refinements in the reflector coating process slows deterioration of the reflector, allowing Ultraline™ lamps to maintain their consistent Halogen color throughout the life of the lamp. Beware of Xenon filled imitations that produce a pale incandescent color.

Rated at more than twice the life of other MR-16s on the market today, Ultraline™ lamps are an astute choice for applications where frequency of lamp changes and cost of ownership are significant factors. The Halogen capsule helps to protect ultraviolet sensitive objects by eliminating harmful UV emissions.

Available in— Spot, Narrow Flood, and Flood beam spreads, the Ultraline™ employs an axial filament that is computer aligned to attain precise 12°, 24°, and 36° beam angles.

FEATURES & BENEFITS

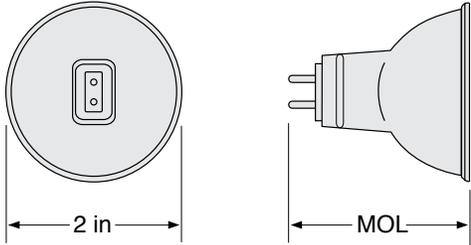
- **10,000 Hours Average Life**— A rated lifetime of over twice the life of the other MR-16 lamps currently on the market
- **Minimizes the amount of maintenance** required to support retail, commercial and display lighting installations
- **Halogen Capsule cuts harmful UV**— Reduces the amount of material wear from harmful UV radiation
- **Advanced Titanium Oxide Coating** — Consistent Color throughout lamp life
- **Crisp white Halogen light**
- **High Color Temperature**— 3100K
- **Cool Beam effect**
- **Base Type GU5.3**



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CHARACTERISTICS & SPECIFICATIONS

ULTRALINE™ MR-16 LAMPS

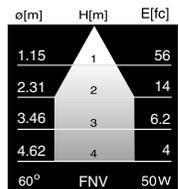
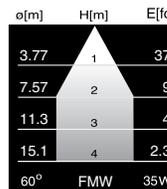
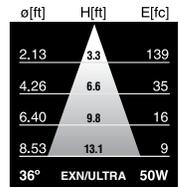
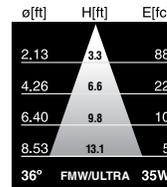
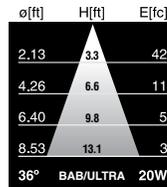
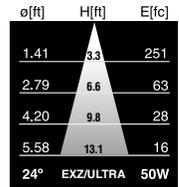
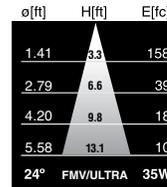
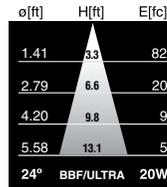
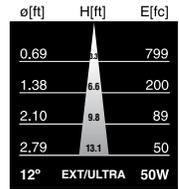


GU5.3



LAMP SOCKET

The model C-33U socket is rated up to 24V-7A for use with all low voltage USHIO GU5.3 based MR-16 lamps. The metal clips secure the lamp firmly into the socket. Use Ordering Code 1002142



Watts (W)	Ushio Ordering Code	Ushio Lamp Code	Voltage (V)	Color Temp (K)	Beam Angle	Beam Spread	Luminous Intensity (cd)	Avg Life (h)	Burn Position
20	1003413	BBF/FG/ULTRA	12	3000	24°	Narrow Flood	880	10,000	Universal
20	1003412	BAB/FG/ULTRA	12	3000	36°	Flood	450	10,000	Universal
35	1002236	FMV/FG/ULTRA	12	3000	24°	Narrow Flood	1700	10,000	Universal
35	1002237	FMV/FG/ULTRA	12	3000	36°	Flood	950	10,000	Universal
35	1003342	FMW/60/FG/ULTRA	12	3000	60°	Wide Flood	370	10,000	Universal
50	1002168	EXT/FG/ULTRA	12	3100	12°	Spot	8600	10,000	Universal
50	1002114	EXZ/FG/ULTRA	12	3100	24°	Narrow Flood	2700	10,000	Universal
50	1000410	EXN/FG/ULTRA	12	3100	36°	Flood	1500	10,000	Universal
50	1003343	FNV/60/FG/ULTRA	12	3100	60°	Wide Flood	620	10,000	Universal



Ultraline™ lamps are manufactured under ISO 9001 guidelines ensuring quality and security for the purchaser

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Form No. S-MR16UL/R-0207: The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.