

# USHIO

## MR-16 REFLECTOR LAMPS

### ULTRALINE™ TITAN



### EXTENDED LIFE MR-16 LAMPS FOR GENERAL LIGHTING – UP TO 18,000 HOUR LIFE

Historically, MR-16 lamps were known for outstanding performance, but limited life capabilities. USHIO broke new ground with the introduction of the Ultraline™ lamp series which allowed for long lamp life while maintaining outstanding lamp performance. Now the **Ultraline™ Titan** lamps from USHIO take MR-16 technology one step further. Introducing the longest life MR-16 on the market with a lamp life of up to 18,000 hours.

Manufactured under ISO 9001 guidelines, USHIO's proprietary advancements in filament design, gas fill technologies and refinements in the reflector coating process, produce long life hours and maintain consistent halogen color throughout the life of our **Ultraline™ Titan** series of lamps. The Halogen capsule also helps to protect ultraviolet sensitive objects by eliminating harmful UV emissions.

Rated at more than four times the life of standard MR-16 lamps on the market today, **Ultraline™ Titan** lamps are the number one choice for those applications where frequency of lamp changes and cost of ownership are significant factors.

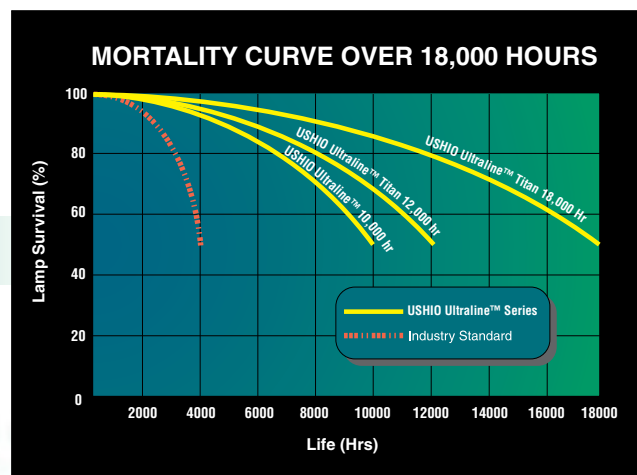
Available in Spot, Narrow Flood, Flood and Wide Flood beam spreads, the **Ultraline™ Titan** employs a computer aligned axial filament to attain precise 12°, 24°, 36° & 60° beam angles.

## FEATURES & BENEFITS

- Up to 18,000 Hour lamp life – A rated lifetime of over four times the life of other standard MR-16 lamps currently on the market.
- Minimizes the amount of maintenance required to support retail, commercial and display lighting installations.
- Dramatically Reduces Lamp Costs – Eliminates up to 3 lamp replacements over the life of the Ultraline™ Titan lamp.
- Halogen Capsule Cuts Harmful UV— Reduces the amount of degradation 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

## APPLICATIONS

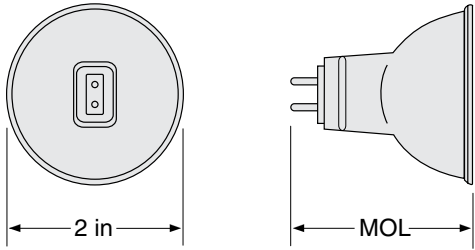
- Museums & Galleries
- Retail Shops
- Offices & Commercial Areas
- Hotels & Restaurants
- Track Lighting
- Accent Lighting



# USHIO

## CHARACTERISTICS & SPECIFICATIONS

### ULTRALINE™ TITAN MR-16 LAMPS

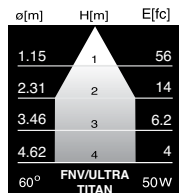
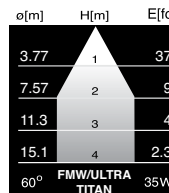
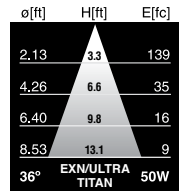
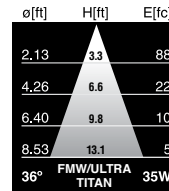
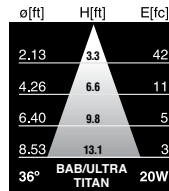
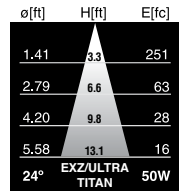
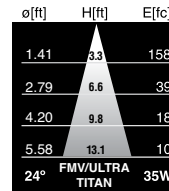
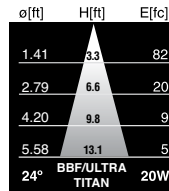
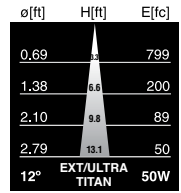


GU5.3



### 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	1003551	BBF/FG/ULTRA TITAN	12	3000	24°	Narrow Flood	880	12,000	Universal
20	1003552	BAB/FG/ULTRA TITAN	12	3000	36°	Flood	450	12,000	Universal
35	1003556	FMV/FG/ULTRA TITAN	12	3000	24°	Narrow Flood	1700	18,000	Universal
35	1003557	FMW/FG/ULTRA TITAN	12	3000	36°	Flood	950	18,000	Universal
35	1003558	FMW/60/FG/ULTRA TITAN	12	3000	60°	Wide Flood	370	18,000	Universal
50	1003554	EXT/FG/ULTRA TITAN	12	3100	12°	Spot	8600	18,000	Universal
50	1003555	EXZ/FG/ULTRA TITAN	12	3100	24°	Narrow Flood	2700	18,000	Universal
50	1003553	EXN/FG/ULTRA TITAN	12	3100	36°	Flood	1500	18,000	Universal
50	1003559	FNV/60/FG/ULTRA TITAN	12	3100	60°	Wide Flood	620	18,000	Universal



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

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The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.