



# Whitestar™ Halogen MR16

## High Color Temperature MR16

The Whitestar™ high color temperature series of lamps were designed to provide a balanced, full spectrum MR16 for display and task lighting. These high color temperature lamps project a high luminous intensity with low ultraviolet and infrared emissions to protect artwork and valuable merchandise.

The Whitestar MR16 lamps have a correlated color temperature range of 4200K through 6500K. Whitestar lamps can be specified to meet your specialty display applications.

Available in 35W in Flood beam spread, 50W in Spot, Narrow Flood and Flood beam spreads.

## FEATURES & BENEFITS

- 4200K, 4700K, 5300K & 6500K - Daylight Spectrum
- Consistent Color - Titanium Oxide Reflector Coating
- Integrated UV Protection
- Cool Beam Effect
- Integrated Cover Glass
- Precisely Focused Light Cone
- Homogeneous Color with 4200K Metal Halide & Fluorescents

## APPLICATIONS

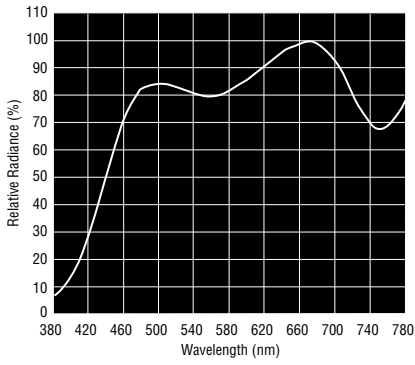
- Retail
- Jewelry
- Textile Displays
- Color Matching
- Waterscape
- Silver and Platinum
- Museums
- Eyewear
- Crystal and Glassware
- Task Lighting
- Machine Vision
- Health Care



The Whitestar™ series of lamps are manufactured under ISO 9001 guidelines ensuring quality and security for the purchaser.

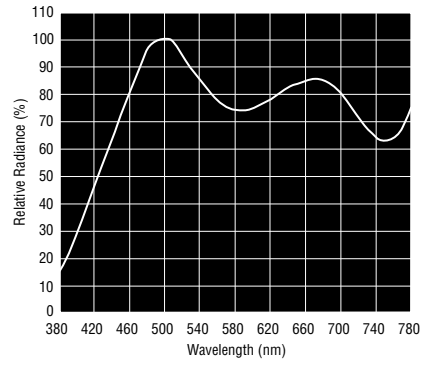
# SPECIFICATIONS

**35W FMW 4200K**



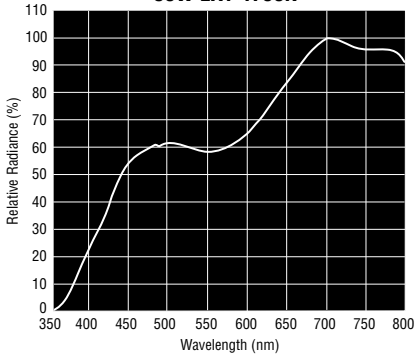
$\phi$ (ft)	H(ft)	E(fc)
2.13	3.3	55.93
4.26	6.6	13.94
6.40	9.8	5.97
8.53	13.1	3.99
36°	FMW 4200K	35W

**35W FMW 5300K**



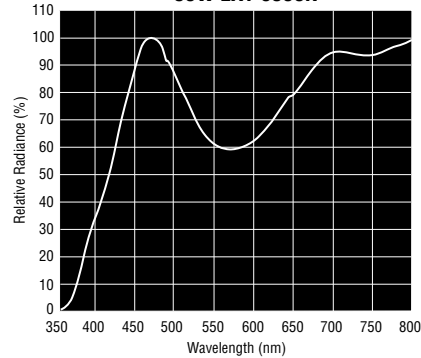
$\phi$ (ft)	H(ft)	E(fc)
2.13	3.3	46
4.26	6.6	12
6.40	9.8	5
8.53	13.1	3
36°	FMW 5300K	35W

**50W EXT 4700K**



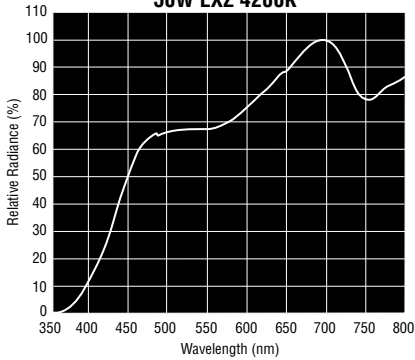
$\phi$ (ft)	H(ft)	E(fc)
0.69	3.3	465
1.38	6.6	116
2.10	9.8	52
2.79	13.1	29
12°	EXT 4700K	50W

**50W EXT 6500K**



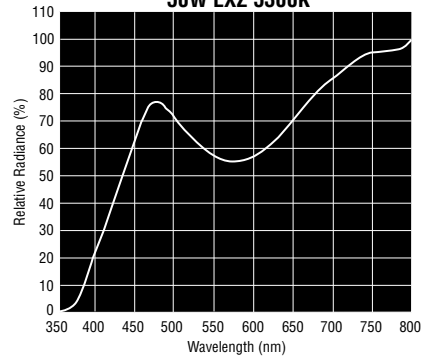
$\phi$ (ft)	H(ft)	E(fc)
0.69	3.3	307
1.38	6.6	77
2.10	9.8	34
2.79	13.1	19
12°	EXT 6500K	50W

**50W EXZ 4200K**



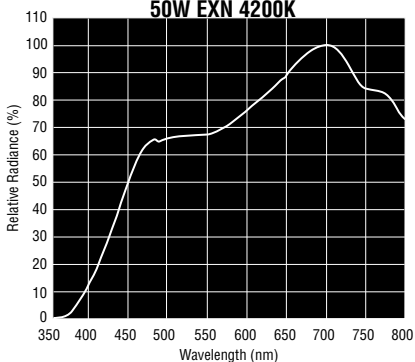
$\phi$ (ft)	H(ft)	E(fc)
1.41	3.3	186
2.79	6.5	46
4.20	9.8	21
5.58	13.1	12
24°	EXZ 4200K	50W

**50W EXZ 5300K**



$\phi$ (ft)	H(ft)	E(fc)
1.41	3.3	102
2.79	6.5	26
4.20	9.8	11
5.58	13.1	6
24°	EXZ 5300K	50W

**50W EXN 4200K**



$\phi$ (ft)	H(ft)	E(fc)
2.13	3.3	111
4.26	6.6	28
6.40	9.8	12
8.53	13.1	7
36°	EXN 4200K	50W

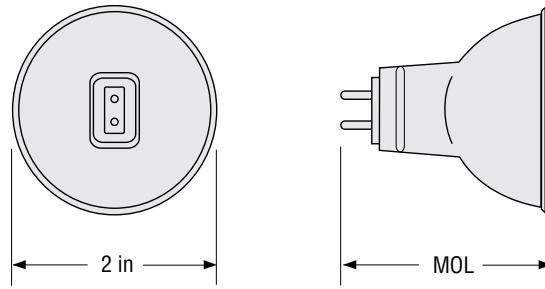
## Chromaticity Coordinates:

4200K: x= 0.372 y= 0.371

4700K: x= 0.356 y= 0.365

5300K: x= 0.337 y= 0.345

6500K: x= 0.315 y= 0.325



**GU5.3 Base**

Case Quantity: 50

Watts (W)	Ordering Code	Lamp Description	Volts (V)	Dimension MOL (in)	Color Temp (K)	Beam Angle	Beam Spread	CBCP (cd)	Average Rated Life (h)
<b>WHITESTAR™ MR16 High Color Temperature, 2-Pin Base</b>									
35	1003340	FMW/FG/WS/4200	12	1.78	4200	36°	Flood	600	4000
35	1003341	FMW/FG/WS/5300	12	1.78	5300	36°	Flood	500	4000
50	1002287	EXT/FG/WS/4700	12	1.78	4700	12°	Spot	5000	4000
50	1002286	EXZ/FG/WS/4200	12	1.78	4200	24°	Narrow Flood	2000	4000
50	1002249	EXN/FE/WS/4200	12	1.78	4200	36°	Flood	1200	4000
50	1003226	EXT/FG/WS/6500	12	1.78	6500	12°	Spot	3300	4000
50	1003224	EXZ/FG/WS/5300	12	1.78	5300	24°	Narrow Flood	1100	4000

● Not compliant with California Title 20.

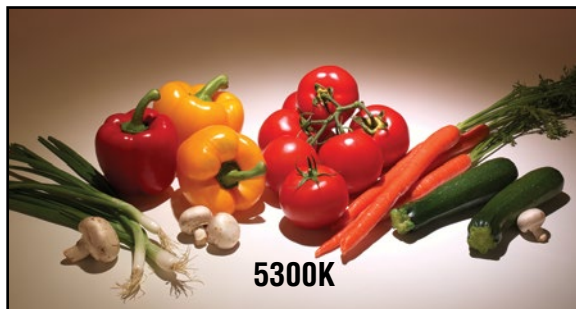
All dimensions shown in inches unless otherwise noted.

# SPECIFICATIONS

## WHITESTAR™

**The right light can make all of the difference between browsing and buying**

Whitestar™ MR16 lamps from USHIO utilize Titanium Oxide hard coatings on the reflector to maintain consistent color from lamp to lamp and throughout the life of the lamp. Harmful UV light is reduced through a special doping process of the quartz envelope. A proprietary dichroic coating of the front glass reduces the yellow light thereby enhancing the blue and white light spectrum in 4200K, 4700K, 5300K, and 6500K lamps.



The daylight spectrum of Whitestar lamps brings out the brilliance, fire and scintillation of diamonds. White metals such as Platinum and Silver display their luminescence under the light of Whitestar lamps. Sapphire color saturation will be pure and vivid and tones will be balanced.