SPECIALTY LAMPS

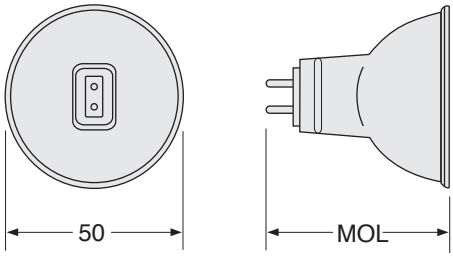
- **Only for Use in Approved Halogen Fixtures**
- **50mm Diameter Multilense Reflector**
- **UV-Cut Halogen Capsule**
- **Low Voltage - 12 Volts**
- **2-Pin Base - GU5.3**
- **Universal Burn Position**
- **Integrated Front Glass Cover (/FG)**

Watts	Ushio Ordering Code	Ushio Lamp Description	Dimension MOL mm	Color Temp K	Beam Angle	Beam Spread	Max CP cd	Avg Life h
		WHITESTAR™ High Color Temperature 2-Pin Base – GU5.3						
35	1003340	FMW/FG/WS/4200, WHITESTAR	45.2	4200	36°	Flood	600	4000
35	1003341	FMW/FG/WS/5300, WHITESTAR	45.2	5300	36°	Flood	500	4000
50	1002286	EXZ/FG/WS/4200, WHITESTAR	45.2	4200	24°	Narrow Flood	2000	4000
50	1002249	EXN/FG/WS/4200, WHITESTAR	45.2	4200	36°	Flood	1200	4000
50	1002287	EXT/FG/WS/4700, WHITESTAR	45.2	4700	12°	Spot	5000	4000
50	1003225	EXN/FG/WS/5300, WHITESTAR	45.2	5300	36°	Flood	600	4000
50	1003224	EXZ/FG/WS/5300, WHITESTAR	45.2	5300	24°	Narrow Flood	1100	4000
50	1003226	EXT/FG/WS/6500, WHITESTAR	45.2	6500	12°	Spot	3300	4000
		POPSTAR™ Colored Dichroic Lens 2-Pin Base – GU5.3		**Color**				
50	1000580	FNC/FG, JR12V-50W/FG	45.2	Yellow	12°	Spot	9000	4000
50	1000582	FND/FG, JR12V-50W/FG	45.2	Red	12°	Spot	2000	4000
50	1000584	FNE/FG, JR12V-50W/FG	45.2	Green	12°	Spot	4400	4000
50	1000586	FNF/FG, JR12V-50W/FG	45.2	Blue	12°	Spot	2200	4000
50	1003132	EXT/OR/FG, JR12V-50W/FG	45.2	Orange	12°	Spot	5000	4000
50	1003200	EXT/MG/FG, JR12V-50W/FG	45.2	Magenta	12°	Spot	4400	4000

WHITESTAR™

POPSTAR™

Whitestar™ 4200K lamp was designed to provide a full spectrum MR-16 for display and task lighting. This high color temperature lamp projects a high luminous intensity with low ultraviolet and infrared emissions to protect artwork and valuable merchandise.



GU5.3

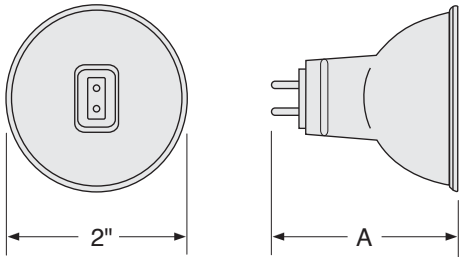
JCR - FIBERLINE™ SERIES

- **Only for Use in Approved Enclosed Halogen Fixtures**
- **Focused Beam for Optical Applications**
- **50mm Dichroic Coated Reflector**
- **2-Pin Base - GU5.3**
- **Universal Burn Position**

Watts	Ushio Ordering Code	Ushio Lamp Description	Dimension MOL (A)	Reflector Type	Filament Type	Working Distance (mm)	Luminous Flux* lm	Color Temp K	Avg Life h	Burn Position
		FIBERLINE™ 2-Pin Base – GU5.3								
50	1003125	JCR12V-50W/FO, ENL/HO	44.9	Specular	C-8	40.0	360	3000	4000	Univ
75	1003239	JCR12V-75W/FO	44.9	Specular	C-8	40.0	500	3000	3500	Univ

* In 13mm fiber (fill factor 100)

The **Fiberline™** MR-16 lamps have the high luminous output and long lifetime needed for fiber illuminators and other optical applications. The filaments and elliptical reflectors are precision aligned for optimal light concentrations into an optical aperture or fiber bundle. The UV cut quartz capsule reduces damage to synthetic fibers or optical elements in the fixture.



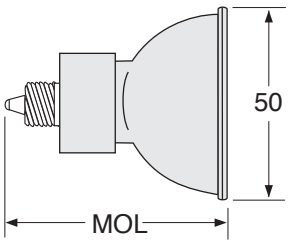
GU5.3

JDR

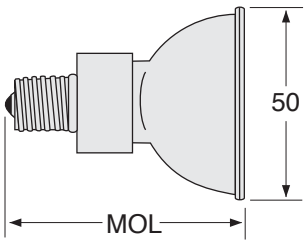
- Only for Use in Approved Enclosed Halogen Fixtures
- 50mm Dichroic Coated Reflector
- Line Voltage - 120 Volts
- Operate Base Up
- Mini Candelabra Screw Base - E11
- Intermediate Screw Base - E17
- Medium Screw Base - E26

Watts	Ushio Ordering Code	Ushio Lamp Description	ANSI Code	Dimensions MOL mm	Beam Angle	Beam Spread	Max CP cd	Color Temp K	Avg Life h
		Minican Screw Base - E11							
100	1002223	JDR120V-100W/FL36		68	36°	Wide	3000	3000	2000
		Intermediate Screw Base - E17							
75	1001032	JDR120V-75WL/SP14	FSA	75	14°	Narrow	5000	3000	2000
75	1001030	JDR120V-75WL/NFL24	FSB	75	24°	Medium	1800	3000	2000
75	1001033	JDR120V-75WL/FL38	FSD	75	38°	Wide	1300	3000	2000
100	1001013	JDR120V-100WL/SP12	FSC	75	14°	Narrow	7100	3000	2000
100	1001011	JDR120V-100WL/NFL24	FSE	75	24°	Medium	4200	3000	2000
100	1001016	JDR120V-100WL/FL38	FSF	75	38°	Wide	2800	3000	2000
		Medium Screw Base - E26							
60	1001021	JDR120V-60W/FL28		71	28°	Flood	—	3150	2000
75	1001834	JDR120V-75WL/SP14		75	14°	Narrow	5000	3000	2000
75	1001022	JDR120V-75W/NFL20/FG*		75	20°	Medium	2800	3000	2000
75	1001031	JDR120V-75WL/NFL24		75	24°	Medium	2800	3000	2000
75	1001836	JDR120V-75WL/FL30		75	30°	Wide	2100	3000	2000
75	1001029	JDR120V-75W/FL30/FG*		75	30°	Wide	2100	3000	2000
100	1001014	JDR120V-100WL/SP10		75	10°	Narrow	6300	3000	2000
100	1001012	JDR120V-100WL/NFL20		75	20°	Medium	4200	3000	2000
100	1001017	JDR120V-100WL/FL30		75	30°	Wide	2500	3000	2000

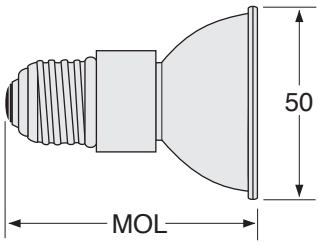
* Front glass versions available



E11



E17



E26

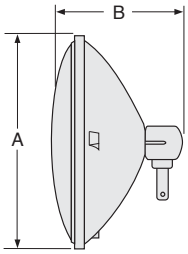
PAR 46, 56, & 64

- **Only for Use in Approved Enclosed Halogen Fixtures**
- **PAR 46 - 5 3/4" Diameter; PAR 56 - 7" Diameter; PAR 64 - 8" Diameter**
- **Universal Burn Position**

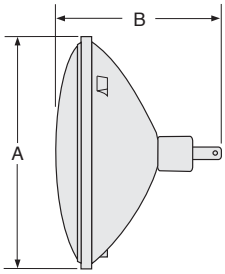
Watts	Ushio Ordering Code	Ushio Lamp Description	Dimensions mm Dia (A)	Dimensions mm MOL (B)	Approx Field Angle Degrees[1]	Approx Field Beam Degrees[2]	Approx Field Lumens lm[3]	Beam Spread	Color Temp K	Ave Life h
		PAR 46 – Medium Side Prong Base - Incandescent								
200	1001441	200PAR46/3NSP*	143.1	101.6	—	—	—	Narrow Spot	2750	2000
200	1001439	200PAR46/3MFL	142.3	101.6	—	—	—	Medium Flood	2750	2000
		PAR 56 – Mogul End Prong (GX16d) Base								
300	1001456	300PAR56/NSP	178.6	127.0	—	—	1800	Naroow Flood	2750	2000
300	1001453	300PAR56/MFL	178.6	127.0	34x19	23x11	2100	Medium Flood	2750	2000
300	1001457	300PAR56/WFL	178.6	127.0	57x27	37x18	2200	Wide Flood	2750	2000
500	1001282	Q500PAR56/NSP*	178.6	127.0	32x15	13x8	4000	Narrow Spot	2950	4000
500	1001281	Q500PAR56/MFL	178.6	127.0	42x20	26x10	4800	Medium Flood	2950	4000
500	1001284	Q500PAR56/WFL	178.6	127.0	66x34	44x20	6400	Wide Flood	2950	4000
		PAR 64 – Extended Mogul End Prong (GX16d) Base								
500	1001495	500PAR64/NSP	205.0	152.4	—	—	6500	Narrow Spot	2850	2000
500	1001493	500PAR64/MFL	205.0	152.4	—	—	6500	Medium Flood	3000	2000
500	1001497	500PAR64/WFL	205.0	152.4	—	—	6500	Wide Flood	2850	2000
1000	1000519	FFN, PAR64/VNSP	205.7	152.4	24x10	12x6	11000	Very Narrow Spot	3150	800
1000	1000520	FFP, PAR64/NSP	205.7	152.4	26x14	14x7	12000	Narrow Spot	3150	800
1000	1000521	FFR, PAR64/MFL	205.7	152.4	44x21	28x12	14000	Medium Flood	3150	800
1000	1000522	FFS, PAR64/WFL	205.7	152.4	71x45	48x24	19000	Wide Flood	3150	800

* Special Order Item

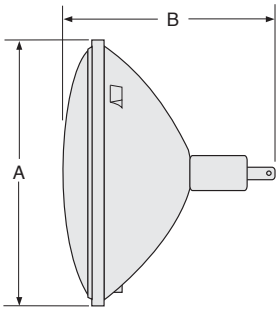
[1] Beam Spread at 10% peak candle power
[2] Beam Spread at 50% peak candle power
[3] Measured within field angle



Medium
Side Prongs



Mogul End Prong
GX16d



Extended Mogul End Prong
GX16d