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### Eurostar™ 12V MR-16

*12V Dichroic MR-16 Lamps for General Lighting*

Have you ever seen a lighting application where the MR-16 lamps range from pink to orange and green? That is because the lamps have inferior reflector coatings. USHIO's Eurostar™ reflector utilizes a multilayer titanium oxide coating which is much more durable than the standard dichroic coatings. The thickness and application of these coatings ensure that they do not crack or peel under the stress of high temperatures. Our Eurostar™ MR-16's maintain color from lamp to lamp and throughout the life of the lamp.

Inferior lamps display uneven and inaccurate beam patterns. Beam accuracy and uniformity is controlled by proper alignment of the lamp filament within the reflector. USHIO focuses the lamp filament inside the reflector, thereby optimizing the lamp's specified beam pattern, light intensity, and beam uniformity.

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This product is included in the USHIO Designer's Collection pack. [Click here for more information.](#)

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800.838.7446

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PRODUCT CATALOGS & SPEC. SHEETS

#### FEATURES & BENEFITS    APPLICATIONS    SPECIFICATIONS

##### SPECIFICATIONS

Watts (W)	USHIO Ordering Code	USHIO Lamp Code	MOL (in)	Filament Type	Beam Angle	Beam Max CP (cd)	Color Temp (K)	Avg Life (h)
10	1001107	JR12V-10W/NFL21	1.77	C-8	21°	600	2800	1200
10	1001108	JR12V-10W/NFL21/FG	1.78	C-8	21°	600	2800	1200
10	1003154	JR12V-10W/FL32	1.77	C-8	32°	400	2800	1200
20	1000366	ESX, JR12V-20W/SP12	1.77	C-8	12°	3500	2950	5000
20	1000370	ESX/FG, JR12V-20W/SP12/FG	1.78	C-8	12°	3500	2950	5000
20	1000028	BBF, JR12V-20W/NFL24	1.77	C-8	24°	1200	2950	5000
20	1000037	BBF/FG, JR12V-20W/NFL24/FG	1.78	C-8	24°	1200	2950	5000
20	1000000	BAB, JR12V-20W/FL36	1.77	C-8	36°	600	2950	5000
20	1000014	BAB/FG, JR12V-20W/FL36/FG	1.78	C-8	36°	600	2950	5000
20	1000001	BAB/60, JR12V-20W/WFL60	1.77	C-8	60°	270	2950	5000
20	1000004	BAB/60/FG, JR12V-20W/WFL60/FG	1.78	C-8	60°	270	2950	5000
35	1000548	FMT/FRB, JR12V-35W/SP12	1.77	C-8	12°	6000	2950	5000
35	1000551	FMT/FG, JR12V-35W/SP12/FG	1.78	C-8	12°	6000	2950	5000
35	1000552	FMV/FRA, JR12V-35W/NFL24	1.77	C-8	24°	2300	2950	5000
35	1000559	FMV/FG, JR12V-35W/NFL24/FG	1.78	C-8	24°	2300	2950	5000
35	1000564	FMW, JR12V-35W/FL36	1.77	C-8	36°	1300	2950	5000
35	1000573	FMW/FG, JR12V-35W/FL36/FG	1.78	C-8	36°	1300	2950	5000
35	1000565	FMW/60, JR12V-35W/WFL 60	1.77	C-8	60°	510	2950	5000
35	1000566	FMW/60/FG, JR12V-35W/WFL60/FG	1.78	C-8	60°	510	2950	5000
50	1000416	EXT, JR12V-50W/SP12	1.77	C-8	12°	11000	3000	5000
50	1000419	EXT/FG, JR12V-50W/SP12/FG	1.78	C-8	12°	11000	3000	5000
50	1000424	EXZ, JR12V-50W/NFL24	1.77	C-8	24°	3600	3000	5000
50	1000430	EXZ/FG, JR12V-50W/NFL24/FG	1.78	C-8	24°	3600	3000	5000

50	1000398	EXN, JR12V-50W/FL36	1.77	C-8	36°	2000	3000	5000
50	1000405	EXN/FG, JR12V-50W/FL36/FG	1.78	C-8	36°	2000	3000	5000
50	1000589	FNV, JR12V-50W/WFL60	1.77	C-8	60°	850	3000	5000
50	1000592	FNV/FG, JR12V-50W/WFL60/FG	1.78	C-8	60°	850	3000	5000
75	1000451	EYF, JR12V-75W/SP12	1.77	C-8	12°	13000	3000	5000
75	1000452	EYF/FG, JR12V-75W/SP12/FG	1.78	C-8	12°	13000	3000	5000
75	1000454	EYJ/EZZ, JR12V-75W/NFL24	1.77	C-8	24°	4800	3000	5000
75	1000455	EYJ/EZZ/FG, JR12V-75W/NFL24/FG	1.78	C-8	24°	4800	3000	5000
75	1000444	EYC, JR12V-75W/FL36	1.77	C-8	36°	2700	3000	5000
75	1000447	EYC/FG, JR12V-75W/FL36/FG	1.78	C-8	36°	2700	3000	5000
75	1000445	EYC/60, JR12V-75W/WFL60	1.77	C-8	60°	1220	3000	5000
75	1000446	EYC/60/FG, JR12V-75W/WFL60/FG	1.78	C-8	60°	1220	3000	5000

**12V, 2-Pin Base – GX5.3**

Watts (W)	USHIO Ordering Code	USHIO Lamp Code	MOL (in)	Filament Type	Beam Angle	Max CP (cd)	Color Temp (K)	Avg Life (h)
42	1000461	EYR, JR12V-42W/SP12	1.81	CC-6	12°	9000	3000	4000
42	1000462	EYS, JR12V-42W/NFL23	1.81	CC-6	23°	2800	3000	4000
42	1000460	EYP, JR12V-42W/FL38	1.81	CC-6	38°	1400	3000	4000
65	1000595	FPA, JR12V-65W/SP13	1.81	CC-6	13°	11500	3050	4000
65	1000596	FPB, JR12V-65W/FL38	1.81	CC-6	38°	2000	3050	4000

**Double Contact Bayonet Base – BA15d**

Watts (W)	USHIO Ordering Code	USHIO Lamp Code	MOL (in)	Filament Type	Beam Angle	Max CP (cd)	Color Temp (K)	Avg Life (h)
50	1001685	FNV/BA, JR12V-50W/BA/WFL60	2.20	C-8	60°	-	3000	4000

*Specification is subject to change without notice.*

**OTHER RELATED PRODUCTS:**

- [Eurostar 24V](#)
- [Eurostar Reflektó](#)