Metal Halide Lamps

Universal Lamps

Mogul base

Family	Description	Features
X/U/XL	Multi-Metal™ Long Life Premium Universal 400W (other wattages under development)	• 38,000 Lumens • 24,000 HR life • Available in Clear & Coated bulbs Nickel plated base; ceramic insulator
X/U/PLus™	Multi-Metal™ High Lumen Output Universal 400W (other wattages under development	• 40,000 Lumens • 20,000 HR life • Available in Clear & Coated bulbs • Nickel plated base; ceramic insulator
X/U	Multi-Metal™ Premium Universal 175-1000W	• Increased lumens • reduced color shift • Improved lumen maintenance • Available in reduced jacket & reflector bulb • Nickel plated base; ceramic insulator
U-Line	Standard Universal 175-1000W	• Operates in all burning positions • Available in Clear & Coated bulbs • Brass base; glass insulator

Multi-Metal™
Metal Halide Lamps

X/U/XL: Long Life Premium Universal

Item No.	Lamp Designation	Lamp Watts	ANSI Ballast	Burn Position	Initial Lumens	Mean Lumens	Rated Life (hrs)	Color Temp (K)	CRI (Ra)	Bulb Type	Bulb Finish	Base Type	Fixture Requirements	NSN
50360	M400X/U/XL	400	M59	Universal	38,000 V 34,000 H	30,000 V 26,000 H	24,000 V 20,000 H	4200	65	BT37	Clear	Mogul (E39)	Open: BU±15° End: All Other	
50700	MF400X/U/XL	400	M59	Universal	36,000 V 32,000 H	28,000 V 24,800 H	24,000 V 20,000 H	3800	70	BT37	Coated	Mogul (E39)	Open: BU±15° End: All Other	

1) Universal: V = Base Up ± 15°, H = Horizontal ±15°

(2) Rated Life is based on 12 hrs/start. At 120 hrs/start, Rated Life (hrs): 33,000 V, 24,000 H

"R"- WARNING:
These lamps can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that automatically extinguish when the outer envelope is broken or punctured are commercially available. Replace lamps immediately that have broken, cracked or scratched outer envelopes. Be sure supply voltage is shut off before removing the lamp to avoid electric shock. These lamps conform to Federal Standard 21 CFR 1040.30

Multi-Metal™
Metal Halide Lamps

X/U/PLus™: High Lumen Output Universal

Item No.	Lamp Designation	Lamp Watts	ANSI Ballast	Burn Position	Initial Lumens	Mean Lumens	Rated Life (hrs)	Color Temp (K)	CRI (Ra)	Bulb Type	Bulb Finish	Base Type	Fixture Requirements	NSN
50320	M400X/U/PL	400	M59	Universal	40,000 V 35,000 H	31,500 V 27,300 H	20,000 V 15,000 H	4200	65	BT37	Clear	Mogul (E39)	Open: BU±15° End: All Other	
50670	MF400X/U/PL	400	M59	Universal	38,000 V 33,000 H	30,500 V 25,300 H	20,000 V 15,000 H	3800	70	BT37	Coated	Mogul (E39)	Open: BU±15° End: All Other	

(1) Universal: V = Base Up ± 15°, H = Horizontal ±15°
(2) Rated Life is based on 12 hrs/start. At 120 hrs/start, Rated Life (hrs): 30,000 V, 20,000 H
"R"- WARNING:
These lamps can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that automatically extinguish when the outer envelope is broken or punctured are commercially available. Replace lamps immediately that have broken, cracked or scratched outer envelopes. Be sure supply voltage is shut off before removing the lamp to avoid electric shock. These lamps conform to Federal Standard 21 CFR 1040.30

An Iwasaki Electric Group Company
EYE LIGHTING INTERNATIONAL
of North America, Inc.

Multi-MetalTM
Metal Halide Lamps
X/U: Premium Universal

Item No.	Lamp Designation	Lamp Watts	ANSI Ballast	Burn Position	Initial Lumens	Mean Lumens	Rated Life (hrs)	Color Temp (K)	CRI (Ra)	Bulb Type	Bulb Finish	Base Type	Fixture Requirements	NSN
50151	M175 X/U	175	M57	Universal	15,000 V 14,000 H	11,000 V 10,500 H	10,000 V 6,000 H	4200	65	BT28	Clear	Mogul (E39)	Enclosed	
50494	MF175X/U	175	M57	Universal	14,000 V 13,500 H	10,500 V 10,000 H	10,000 V 6,000 H	3800	70	BT28	Coated	Mogul (E39)	Enclosed	
50200	M250 X/U	250	M58	Universal	21,500 V 19,700 H	17,250 V 15,850 H	10,000 V 6,000 H	4200	65	BT28	Clear	Mogul (E39)	Enclosed	
50543	MF250X/U	250	M58	Universal	20,750 V 19,650 H	17,200 V 13,800 H	10,000 V 6,000 H	3800	70	BT28	Coated	Mogul (E39)	Enclosed	
50249	M400 X/U	400	M59	Universal	38,000 V 34,000 H	30,000 V 26,800 H	20,000 V 15,000 H	4200	65	BT37	Clear	Mogul (E39)	Open: BU±15° Encl: All Other	
50592	MF400X/U	400	M59	Universal	36,000 V 32,000 H	28,000 V 24,800 H	20,000 V 15,000 H	3800	70	BT37	Coated	Mogul (E39)	Open: BU±15° Encl: All Other	
50298	M400X/U/ BT28	400	M59	Universal	38,000 V 34,000 H	30,000 V 26,800 H	20,000 V 15,000 H	4200	65	BT28	Clear	Mogul (E39)	Enclosed	
50641	MF400X/U/ BT28	400	M59	Universal	36,000 V 32,000 H	28,000 V 24,800 H	20,000 V 15,000 H	3800	70	BT28	Coated	Mogul (E39)	Enclosed	
50053	M1000BX/U	1000	M47	Universal	115,000 V 110,000 H	90,000 V 86,300 H	12,000 V 9,000 H	4200	65	BT56	Clear	Mogul (E39)	Open: BU±15° Encl: All Other	
50396	MF1000BX/U	1000	M47	Universal	110,000 V 105,000 H	86,000 V 82,000 H	12,000 V 9,000 H	3800	70	BT56	Coated	Mogul (E39)	Open: BU±15° Encl: All Other	
50102	M1000BX/U/ BT37	1000	M47	Universal	115,000 V 110,000 H	90,000 V 86,300 H	12,000 V 9,000 H	4200	65	BT37	Clear	Mogul (E39)	Enclosed	
50445	MF1000BX/U/ BT37	1000	M47	Universal	110,000 V 105,000 H	86,000 V 82,000 H	12,000 V 9,000 H	3800	70	BT37	Coated	Mogul (E39)	Enclosed	

(1) Universal: V = Base Up ± 15°, H = Horizontal ±15°
BUH: Base Up ± 135°
"R"- WARNING: See Previous page

Multi-Metal™

Metal Halide Lamps

U-Line: Standard Universal

Item No.	Lamp Designation	Lamp Watts	ANSI Ballast	Burn Position	Initial Lumens	Mean Lumens	Rated Life (hrs)	Color Temp (K)	CRI (Ra)	Bulb Type	Bulb Finish	Base Type	Fixture Requirements	NSN
58100	M175/U	175	M57	Universal	14,000 V 12,000 H	11,000 V 9,400 H	10,000 V 6,000 H	4000	65	BT28	Clear	Mogul (E39)	Enclosed	
58120	MF175/U	175	M57	Universal	13,200 V 11,300 H	9,750 V 7,800 H	10,000 V 6,000 H	3900	70	BT28	Coated	Mogul (E39)	Enclosed	
58105	M250/U	250	M58	Universal	20,500 V 19,500 H	17,000 V 14,200 H	10,000 V 6,000 H	4200	65	BT28	Clear	Mogul (E39)	Enclosed	
58125	MF250/U	250	M58	Universal	19,800 V 18,800 H	16,400 V 13,600 H	10,000 V 6,000 H	3900	70	BT28	Coated	Mogul (E39)	Enclosed	
58110	M400/U	400	M59	Universal	36,000 V 32,000 H	28,500 V 24,300 H	20,000 V 15,000 H	4000	65	BT37	Clear	Mogul (E39)	Open: BU±15° Encl: All Other	
58130	MF400/U	400	M59	Universal	34,000 V 30,100 H	27,100 V 22,300 H	20,000 V 15,000 H	3700	70	BT37	Clear	Mogul (E39)	Open: BU±15° Encl: All Other	
58115	M1000/U	1000	M47	Universal	110,000 V 107,800 H	88,000 V 86,200 H	12,000 V 9,000 H	4000	65	BT56	Clear	Mogul (E39)	Enclosed	
58135	MF1000/U	1000	M47	Universal	105,600 V 100,000 H	80,000 V 76,000 H	12,000 V 9,000 H	3400	70	BT56	Clear	Mogul (E39)	Enclosed	

(1) Universal: V = Base Up ± 15°, H = Horizontal ±15°

"R"- WARNING:
These lamps can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that automatically extinguish when the outer envelope is broken or punctured are commercially available. Replace lamps immediately that have broken, cracked or scratched outer envelopes. Be sure supply voltage is shut off before removing the lamp to avoid electric shock. These lamps conform to Federal Standard 21 CFR 1040.30