

WLS LIGHTING SYSTEMS

Consider the Impact!

P.O. BOX 100519 ■ FORT WORTH, TEXAS 76185

800-633-8711 ■ WWW.WLSLIGHTING.COM

Natural White® Lamps

Superior Color Rendering

What could be more natural than sunlight? Our Natural White® pulse start metal halide systems. With *Natural White*, blues are true blue, reds are more vibrant, whites are whiter, and skin tones appear as they do under sunlight. *Natural White* lamps, with a color temperature of 5000K and a CRI of 90+, bring daylight indoors!

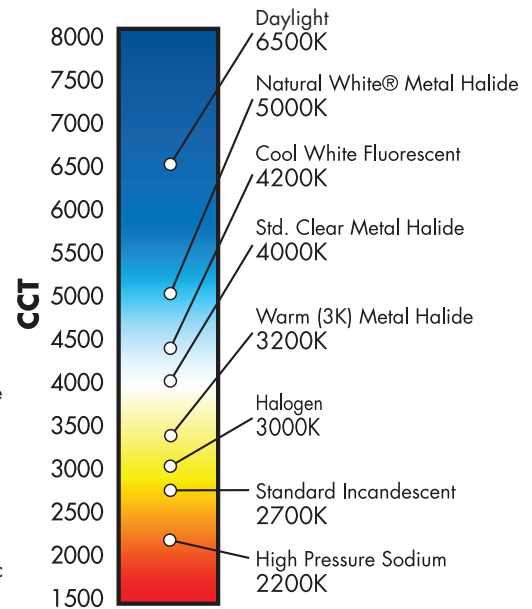
When purchased as a Lamp and Ballast System, we are able to provide a five year ballast/two year lamp warranty!

More Choices

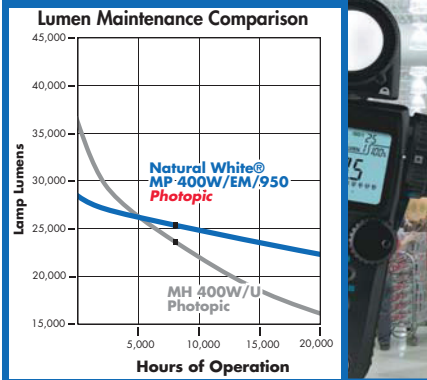
Think beyond standard metal halide and realize better performance with our high CRI and high CCT lamps coupled with the energy savings of an electronic ballast. Now *Natural White 950* Series lamps provide additional choices in color temperature and CRI. With more choices, WLS has the lighting package to fit your specific application.

Longer Life

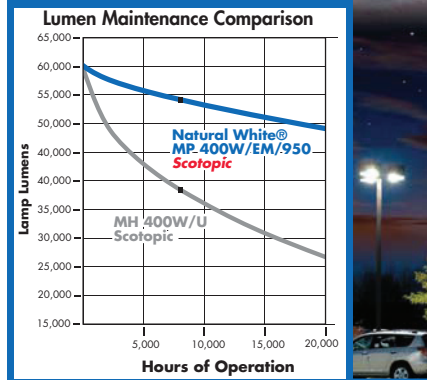
- Fewer failures due to better lamp design and construction
- With a life rating of 20,000++ hours, 80% of our e-Lamp® products will still be operating at end of rated life, a 60% increase in lamp survival compared to standard metal halide lamps (50% survival)
- Superior color rendering - objects appear as they would outdoors
- Work spaces look brighter; Tasks, such as reading, become easier to perform
- Excellent color uniformity and stability over life of lamp due to tipless, formed body arc tube
- Don't be left in the dark: 50% faster warm-up time than ceramic or standard metal halide systems
- Hot restart in less than half the time of ceramic metal halide lamps



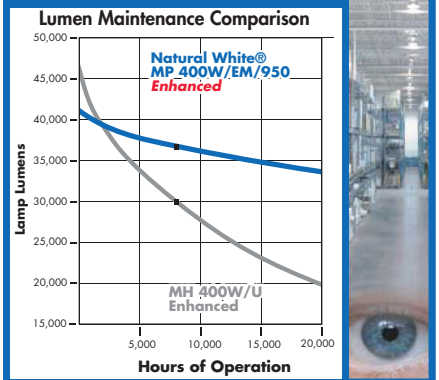
Conventionally Measured (Photopic Lumens)



Nighttime: Visual Brightness (Scotopic Lumens) (S/P)¹



Daytime: Visual Brightness (Enhanced Lumens) (S/P)^{1.5}



Natural White® Lamps

HIGH CRI AND HIGH CCT PULSE START METAL HALIDE LIGHTING SYSTEMS



Applications

- Retail
- Car dealership lots
- Grocery stores
- Daylight harvesting applications
- Parking lots

ELECTRONIC Ballasted Open Rated Lamps ANSI Type-O featuring UV Shield®

Lamp Watts Description	Product No.	Photopic Initial Lumens	Scotopic Nighttime ¹ Initial Lumens	Enhanced Daytime ² Initial Lumens	Avg. Life Hours ³	CCT (K)	Warm-Up (Min)	Restrike (Min)	CRI	Finish	Oper. Pos.	Case Fig.	System Qty	Watts
250 MPSE 250W/BU/UVS/950	95047*	17500	37000	25500	20000++	5000	2-3	5-8	90+	Clear	BU±15°	A	12	263
290 MPSE 290W/BU/ED37/UVS/950	95005*	22000	46000	32000	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	312
320 MPSE 320W/BU/ED37/UVS/950	28712	24000	50500	34500	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	342
320 MPSE 320W/C/BU/ED37/UVS/950	35698	22500	47500	33000	20000++	5000	2-3	5-8	90+	Coated	BU±15°	B	6	342
350 MPSE 350W/BU/UVS/950	62584	26000	55000	38000	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	375
350 MPSE 350W/C/BU/UVS/950	71035	25000	52000	36000	20000++	5000	2-3	5-8	90+	Coated	BU±15°	B	6	375
400 MPSE 400W/BU/UVS/950	71564	30500	64000	44000	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	430
400 MPSE 400W/C/BU/UVS/950	95103	29000	60500	41500	20000++	5000	2-3	5-8	90+	Coated	BU±15°	B	6	430
430 MPSE 450W/BU/UVS/950	95011*	34500	72000	50000	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	465
430 MPSE 450W/C/BU/UVS/950	95012*	32500	68500	47500	20000++	5000	2-3	5-8	90+	Clear	BU±15°	B	6	465

MAGNETIC Ballasted Open Rated Lamps ANSI Type-O

Lamp Watts Description	Product No.	ANSI Code	Photopic Initial Lumens	Scotopic Nighttime ¹ Initial Lumens	Enhanced Daytime ² Initial Lumens	Avg. Life Hours ⁴	CCT (K)	Warm-Up (Min)	Restrike (Min)	CRI	Finish	Oper. Pos.	Case Fig.	Qty
775 MP 775W/BU/BT37/PS/950	24983	M181/O	66000	138500	95500	20000+	5000	3-5	8-12	90+	Clear	BU±15°	C	6

Energy Saving RETROFIT Open Rated Lamps ANSI Type-O featuring UV Shield®

Lamp Watts Description	Product No.	ANSI Code	Photopic Initial Lumens	Scotopic Nighttime ¹ Initial Lumens	Enhanced Daytime ² Initial Lumens	Avg. Life Hours ⁴	CCT (K)	CRI	Finish	Operating Pos.	Case Fig.	Qty	Replaces	Watts Saved
250 MP 250W/BU/UVS/PS/EM/950	19523	M153/O	16500	34500	24000	20000+	5000	90+	Clear	BU±15°	A	12	250W/BU/ED28/PS	15
320 MP 320W/BU/ED28/UVS/PS/EM/950	98530	M154/O	22500	47000	32500	20000+	5000	90+	Clear	BU±15°	A	12	320W/BU/ED28/PS	20
320 MP 320W/BU/ED37/UVS/PS/EM/950	98520	M154/O	22500	47000	32500	20000+	5000	90+	Clear	BU±15°	B	6	320W/BU/ED37/PS	20
350 MP 350W/BU/ED28/UVS/PS/EM/950	33149	M131/O	24000	50500	35000	20000+	5000	90+	Clear	BU±15°	A	12	350W/BU/ED28/PS	25
350 MP 350W/BU/UVS/PS/EM/950	51628	M131/O	24000	50500	35000	20000+	5000	90+	Clear	BU±15°	B	6	350W/BU/ED37/PS	25
350 MP 350W/C/BU/UVS/PS/EM/950	38197	M131/O	22500	47500	33000	20000+	5000	90+	Coated	BU±15°	B	6	350W/C/BU/ED37/PS	25
400 MP 400W/BU/ED28/UVS/PS/EM/950	72315	M155/O	28500	60000	41000	20000+	5000	90+	Clear	BU±15°	A	12	400W/BU/ED28/PS	25
400 MP 400W/BU/UVS/PS/EM/950	57129	M155/O	28500	60000	41000	20000+	5000	90+	Clear	BU±15°	B	6	400W/BU/ED37/PS	25
400 MP 400W/C/BU/UVS/PS/EM/950	89410	M155/O	27000	56500	39000	20000+	5000	90+	Coated	BU±15°	B	6	400W/C/BU/ED37/PS	25

Notes: All lamps have a light loss factor (LLF) at 8000 hours of 0.9

1 Scotopic Nighttime = Visual brightness ratio of (S/P)¹ = 2.1

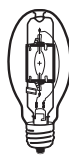
2 Enhanced Daytime = Visual brightness ratio of (S/P)^{0.5} = 1.45

3 A life rating of 20,000++ hours means that at least 80% of the lamps initially installed will still be operating after 20,000 hours.

4 A life rating of 20,000+ hours means that at least 70% of the lamps initially installed will still be operating after 20,000 hours.

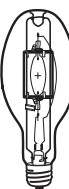
* Product is in development, please contact manufacturer for product availability

A
ED28



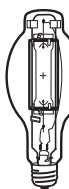
Dia. = 3 1/2" (90mm)
MOL = 8 5/16" (211mm)
LCL = 5" (127mm)
Base = EX39

B
ED37



Dia. = 4 5/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = EX39

C
BT37



Dia. = 4 5/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = EX39



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