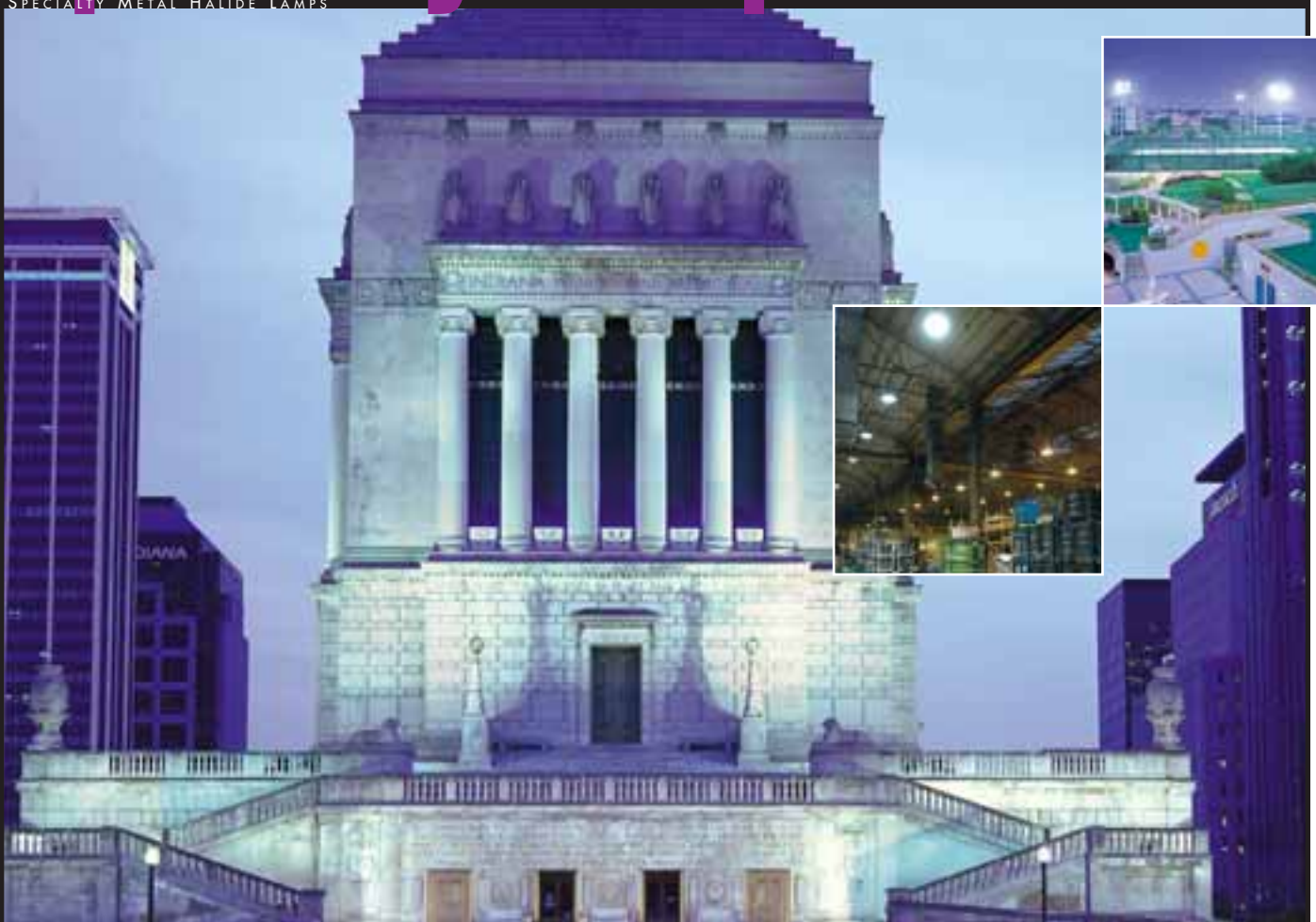


# Specialty Lamps

SPECIALTY METAL HALIDE LAMPS



## The Right Lamp For That Special Application

<b>High Output MPI Lamps</b> 62	<b>White-Lux® Lamps</b> 66	<b>BiPin (G12) Lamps</b> 69
400W, 360W - Replacing the standard 400 watt metal halide (base-up operation) lamp with a same or higher light output and are compliant with 2005 NEC® (National Electrical Code®) requirements	250 - 750 Watts - Cost effectively switch from yellow HPS light to white metal halide light with no modifications to your HPS ballasts and fixtures.	70 - 150 Watts
<b>Energy Master® Lamps</b> 64	<b>High Wattage/Sports Lamps</b> 67	<b>Double Ended Lamps</b> 69
150W and 360W - Relamp your standard metal halide installation with these energy-saving retrofit products. Lamps are specifically designed to operate with all standard metal halide fixtures and ballasts.	1000 - 1650 Watts - These lamps are the leading choice for arenas and stadiums worldwide.	70 - 250 Watts - Compact configuration provides excellent optical control in smaller fixture designs.
	<b>Tubular Lamps</b> 68	<b>High Wattage Double Ended</b> 70
	70 - 1000 Watts - Tubular jacketed lamps with highly streamlined profiles provide excellent optical control.	1000 - 2000 Watts - These European style lamps are used for large area floodlighting and sports lighting applications.

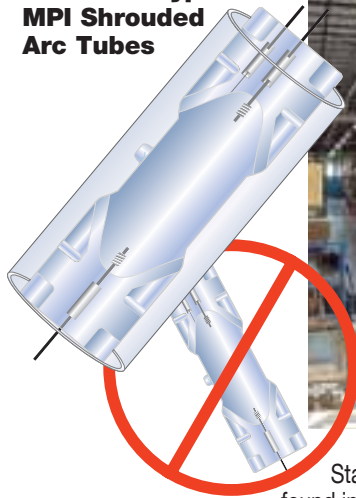
# High Output Lamps

SPECIALTY METAL HALIDE LAMPS

## What Happened to the High Output Super 400W?



**Venture's Type-O  
MPI Shrouded  
Arc Tubes**



Standard arc tube  
found in a Type-S lamp

## It's Been Replaced

with the New MPI HO (High Output)

### Venture's Open Luminaire Rated MPI Lamps



#### MPI Lamps

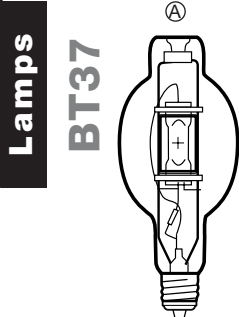
- More light - Exceed mean lumens of old 400W S-rated lamps & higher lumen rating than older MPI 400W
- Meet initial lumens of old 400W/BU S-rated lamps
- Same light as 400W/U with 10% energy savings - MPI 360W
- Meet requirements of the **2005 National Electric Code®**
- Meet ANSI criteria for use in open luminaires - Can be used in open or enclosed luminaires
- No luminaire lens required - **delivering more light**
- Can be operated continuously, **no shut-off required**
- Fewer failures thanks to weldless mount construction - Stronger lamps - less breakage in shipping

# High Output Lamps

SPECIALTY METAL HALIDE LAMPS

ANSI Type-O		Pinched Body Mogul Based Lamps													
Watts	Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	CRI	Finish	Oper. Pos.	Fig.	Case Qty
400	MPI 400W/BU/HO	95527	M59/O	40000	95	28000	20000	4000	3-5	10-15	65	Clear	BU±15°	A	6
400	MPI 400W/C/BU/HO	26091	M59/O	38000	90	26000	20000	3700	3-5	10-15	70	Coated	BU±15°	A	6

ANSI Type-O		Energy Saving Pinched Body Mogul Based Lamps												
Watts	Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
360	MPI 360W/BU/EM/HO	38029	M165/O	36000	97	26000	20000	4000	65	Clear	BU±15°	A	6	400/U; 400/BU
360	MPI 360W/C/BU/EM/HO	67293	M165/O	34000	94	24000	20000	3700	70	Coated	BU±15°	A	6	400/C/U; 400/C/BU



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

## If you are looking for:

Lamp Description	ANSI Code	Initial Lumens	Mean Lumens
<b>MS 400W/BU</b>	M59/E	40000	26000
<b>MS 400W/C/BU</b>	M59/E	38000	24000
<b>MS 360W/BU/EM</b>	M165/E	36000	23400
<b>MS 360W/C/BU/EM</b>	M165/E	34200	22200

## Look no further than:

Lamp Description	ANSI Code	Initial Lumens	Mean Lumens
<b>MPI 400W/BU/HO</b>	M59/O	40000	28000
<b>MPI 400W/C/BU/HO</b>	M59/O	38000	26000
<b>MPI 360W/BU/EM/HO</b>	M165/O	36000	26000
<b>MPI 360W/C/BU/EM/HO</b>	M165/O	34000	24000

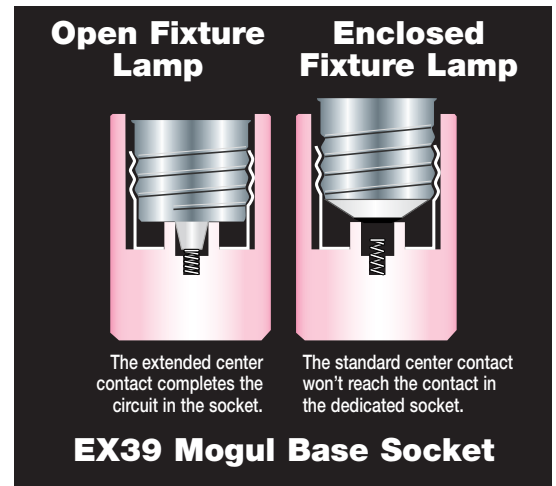
Venture's open fixture rated MPI lamps contain quartz shrouds, which help contain hot particles in the lamp in the event of an arc tube rupture. Open fixture rated metal halide lamps offer significant advantages for end-users, including:

- No need for luminaire lens, where dust and dirt can accumulate and reduce light output
- Lower luminaire costs
- Easier lamp replacement
- Continuous operation - 24/7/365
- Recommended by the insurance industry

Additionally, Venture's MPI lamps are designed to work in special open fixture sockets which prevent installing or relamping with the wrong lamp type. Venture's design specifications include a base with an extended center contact (EX39) for mogul based lamps

These requirements allow for an exclusive fit by MPI lamps into open rated sockets

To realize these benefits, specify Venture MPI lamps for your installation. Venture carries a complete line of open rated lamps, the most options available in the industry.



# Retrofit Lamp Solutions

SPECIALTY METAL HALIDE LAMPS



## Save On Energy Costs By Switching Just The Lamp!

- Save up to 40 watts per fixture!
- It's easy - Just change the lamp!
- Designed to replace 175 and 400 watt standard metal halide lamps
- Use existing luminaires and ballasts
- Safe alternative - Open-rated (ANSI Type-O) lamps available in 150 and 360 watts
- Clear and coated outer jacket options available
- Watch your energy savings grow with *Energy Master* lamps!

### A Simple Lamp Change Does It!

Save Up to 40 Watts per Fixture! Venture Lighting's Energy Master® line of retrofit products saves energy by operating at lower wattages.

See an immediate reduction in energy costs of up to 40 watts per fixture or a full 10% with virtually the same light output. At a cost of \$0.12/KWH, the energy savings over the rated life of the 360 watt *Energy Master* lamp (20,000 hours) is \$96 per fixture.

Calculation:

$$.040 \text{ KW/hr} \times \$ .12 \times 20,000 \text{ hrs} = \$96.00$$

### It's Easy!

Just replace your lamp. That's it!

### Retrofit for Safety

For applications where safety is an issue, Venture Lighting offers open-rated *Energy Master* MPI lamps, which meet **2005 NEC**® requirements.

The arc tube is enclosed in a quartz shroud to prevent the outer glass jacket from breaking in the event of an arc tube rupture. Passing ANSI containment tests, these lamps operate on standard ballasts and are intended primarily for open-rated fixtures and provide an added measure of safety in enclosed fixtures.

### Retrofit Benefits:

- No need to change luminaires or ballasts
- Full range of shrouded lamps available for use in open luminaires
- Save on energy consumption

Considering an update of your lighting system? Explore the advantages of the *Energy Master* line. Available in 150 and 360 watt designs to replace 175 and 400 watt standard lamps.

# Energy Master® Lamps

SPECIALTY METAL HALIDE LAMPS

ANSI Type-E		Medium and Mogul Base Probe Start Lamps													
Watts	Lamp Description	Product No.	ANSI Spec	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved
150	MH 150W/U/EM	44810	M107/E*	13500	90	8800	10000	4000	65	Clear	U	D	12	175/U/MED	25
150	MH 150W/C/U/EM	39083	M107/E*	12800	85	8300	10000	3700	70	Coated	U	D	12	175/C/U/MED	25
150	MH 150W/U/ED28/EM	69559	M107/E*	13500	90	8800	10000	4000	65	Clear	U	C	12	175/U;400/BU	25
360	MS 360W/BU/EM	62274	M165/E**	36000	100	23400	20000	4000	65	Clear	BU±15°	A	6	400/U;400/BU	40
360	MS 360W/HOR/T15/EM	10133	M165/E**	35000	97	22800		4000	65	Clear	HOR±15°	E	12	400W/HOR/T15	40

ANSI Type-O		Mogul Base Probe Start Lamps													
Watts	Lamp Description	Product No.	ANSI Spec	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved
150	MPI 150W/BU/ED28/EM	48339	M107/E*	12800	85	8300	10000	4000	65	Clear	BU±15°	B	12	175/U; 175/BU	40
360	MPI 360W/BU/EM/HO	38029	M165/O**	36000	97	26000	20000	4000	65	Clear	BU±15°	B	6	400/U; 400/BU	40
360	MPI 360W/C/BU/EM/HO	67293	M165/O**	34000	94	24000	20000	3700	70	Coated	BU±15°	B	6	400/C/U; 400/C/BU	40

ANSI Type-O		High CCT & High CRI Pulse Start Lamps										UV Shield®			
Watts	Lamp Description	Product No.	ANSI Spec	Effective Lumens <sup>1</sup>	Eff. Mean Lumens <sup>2</sup>	Avg. Life Hours <sup>3</sup>	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved	
250	MP 250W/BU/UVS/PS/EM/950	19523	M153/O	18500	16500	20000+	5000	90+	Clear	BU±15°	F	15	250W/BU/ED28/PS	15	
320	MP 320W/BU/ED28/UVS/PS/EM/950	98530	M154/O	21000	2100	20000+	5000	90+	Clear	BU±15°	F	12	320W/BU/ED28/PS	20	
320	MP 320W/BU/ED37/UVS/PS/EM/950	98520	M154/O	23500	21000	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	27000	24000	20000+	5000	90+	Clear	BU±15°	G	12	350W/BU/ED28/PS	25	
350	MP 350W/BU/ED37/UVS/PS/EM/950	51628	M131/O	27000	24000	20000+	5000	90+	Clear	BU±15°	F	6	350W/BU/ED37/PS	25	
400	MP 400W/BU/ED28/UVS/PS/EM/950	72315	M155/O	31500	28500	20000+	5000	90+	Clear	BU±15°	G	12	400W/BU/ED28/PS	25	
400	MP 400W/BU/ED37/UVS/PS/EM/950	57129	M155/O	31500	28500	20000+	5000	90+	Clear	BU±15°	F	6	400W/BU/ED37/PS	25	

**Notes:** On CWA ballasts, mean lumens may be lower

\* Lamp operates on standard 175 watt (M57) metal halide ballast.

\*\* Lamp operates on standard 400 watt (M59) metal halide ballast.

+ 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.

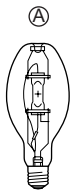
1 Effective lumens are scotopically enhanced for indoor lighting; (S/P)<sup>0.5</sup> = 1.13 relative to standard 4000K lamps

2 Mean lumen rating of 90% is based upon operation on Venture Opti-Wave® ballasts.

3 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.

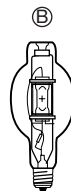
## Lamps

**ED37**



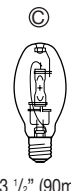
Dia. = 4 5/8" (120mm)  
MOL = 11 1/2" (292mm)  
LCL = 7" (178mm)  
Base = E39

**BT37**



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

**ED28**



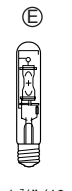
Dia. = 3 1/2" (90mm)  
MOL = 8 5/16" (211mm)  
LCL = 5" (127mm)  
Base = E39

**ED17**



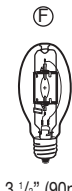
Dia. = 2 1/8" (54mm)  
MOL = 5 7/16" (138mm)  
LCL = 3 3/8" (86mm)  
Base = E26

**T15**



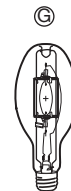
Dia. = 1 7/8" (46mm)  
MOL = 9 3/4" (248mm)  
LCL = 5 3/4" (146mm)  
Base = E39

**ED28**



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

**ED37**



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

# White-Lux® Lamps

SPECIALTY METAL HALIDE LAMPS



## Change From Yellow To White By Switching Just The Lamp!

- Converts the harsh yellow light of HPS to crisp white light with only the change of a lamp!
- Complete electrical compatibility with HPS systems
- Designed for photometric compatibility with HPS systems
- Clear and coated outer jacket options
- Shrouded open-rated lamps available in 250 and 400 watts, complies with 2005 National Electric Code
- Excellent color rendering (65-70 CRI vs. 22 CRI for HPS)



### ANSI Type-E 250 Watt White-Lux Mogul Base (ED28)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MH 250W/U/LU	91051	S50/E*	20000	13000	10000	4000	65	Clear	BU±15°	A	12	LU 250

### ANSI Type-O 250 Watt White-Lux Mogul Base (ED28)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MPI 250W/BU/LU	24785	S50/O*	19000	12300	10000	4000	65	Clear	BU±15°	B	12	LU 250
MPI 250W/C/BU/LU	10206	S50/O*	18000	11700	10000	3700	70	Coated	BU±15°	B	12	LU 250/D

### ANSI Type-E 400 Watt White-Lux Mogul Base (ED28 and ED37)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MH 400W/U/LU/ED28	59441	S51/E**	41000	26600	20000	4000	65	Clear	U	A	12	LU 400
MH 400W/BU/LU	52134	S51/E**	41000	26600	20000	4000	65	Clear	BU±15°	C	6	LU 400
MH 400W/C/BU/LU	72190	S51/E**	39000	25400	20000	3700	70	Coated	BU±15°	C	6	LU 400/D

### ANSI Type-O 400 Watt White-Lux Mogul Base (BT37)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MPI 400W/BU/LU	10044	S51/O**	39000	25400	20000	4000	65	Clear	BU±15°	E	6	LU 400

### ANSI Type-E 750 Watt White-Lux Mogul Base (BT37)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MH 750W/U/LU/BT37	33940	S111/E***	72000	46800	12000	4000	65	Clear	U	D	6	LU 750

### ANSI Type-E 1000 Watt White-Lux Mogul Base (BT37)

Lamp Description	Product No.	ANSI Compatible	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces
MS 1000W/V/LU/BT37	35892	S52/E†	110000	71500	15000	4000	65	Clear	V±15	D	6	LU1000

Lamps

ED28

Dia. = 3 1/2" (90mm)  
MOL = 8 5/16" (211mm)  
LCL = 5 3/4" (146mm)  
Base = E39

ED28

Dia. = 3 1/2" (90mm)  
MOL = 8 5/16" (211mm)  
LCL = 5 3/4" (146mm)  
Base = EX39

ED37

Dia. = 4 3/8" (120mm)  
MOL = 11 1/2" (292mm)  
LCL = 5 3/4" (146mm)  
Base = E39

BT37

Dia. = 4 3/8" (120mm)  
MOL = 11 1/2" (292mm)  
LCL = 7" (178mm)  
Base = E39

BT37

Dia. = 4 3/8" (120mm)  
MOL = 11 1/2" (292mm)  
LCL = 5 3/4" (146mm)  
Base = EX39

\* Lamp operates on 250 watt (S50) high pressure sodium ballast.

\*\* Lamp operates on 400 watt (S51) high pressure sodium ballast.

\*\*\* Lamp operates on 750 watt (S111) high pressure sodium ballast.

† Lamp operates on 10000 watt (S52) high pressure sodium ballast.

# High Wattage/Sports Lamps

SPECIALTY METAL HALIDE LAMPS



## ANSI Type-E 1000 Watt Sports Lamps (BT56 and BT37)

Lamp Description	Product No.	ANSI Code	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Ballast Ref. Pg.
MS 1000W/HOR/SPORT 60**	47503	M47/E	115000	86000	12000	3400	70	Clear	HOR±60°	B	6	75
MS 1000W/HOR/BT37/3K**	53702	M47/E	115000	86000	12000	3400	70	Clear	HOR±45°	C	6	75

## ANSI Type-E 1500 Watt Sports Lamps (BT56)

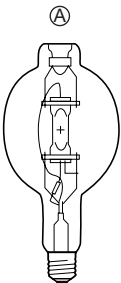
Lamp Description	Product No.	ANSI Code	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Ballast Ref. Pg.
MH 1500W/HBU	18360	M48/E	161000BU	136000BU	3000BU/H	3400	65	Clear	BU±105°	A	6	75
MH 1500W/U/XL	12342	M48/E	170000V	136000V	6000V	4000	65	Clear	U	A	6	75
MS 1500W/HOR/XP/SPORT 60**	82070	M48/E	162000	137700	3000	3400	70	Clear	HOR±60°	B	6	75

## ANSI Type-E 1650 Watt Sports Lamps (BT56)

Lamp Description	Product No.	ANSI Code	Initial Lumens	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Ballast Ref. Pg.
MS 1650W/HOR/XP/SPORT 60**	16419	M112/E	177000	145000	3000	3200	70	Clear	HOR±60°	B	6	75

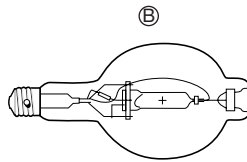
Lamps

BT56



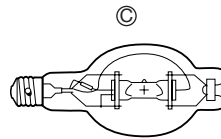
Dia. = 7" (180mm)  
MOL = 15 3/8" (391mm)  
LCL = 9 1/2" (241mm)  
Base = E39

BT56



Dia. = 7" (180mm)  
MOL = 15 3/8" (391mm)  
LCL = 9 1/2" (241mm)  
Base = EP39 (POMB)

BT37



Dia. = 4 5/8" (120mm)  
MOL = 11 1/2" (292mm)  
LCL = 7" (178mm)  
Base = EP39 (POMB)

\* Life shown is rated for 5 hours per start.

\*\* Permitted rotation about horizontal lamp axis ±15°.

# Tubular Lamps

SPECIALTY METAL HALIDE LAMPS



## ANSI Type-E Pinched Body Tubular Lamps (T15)

Watts	Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Oper. Pos.	Fig.	Case Qty	Ballast Ref. Pg.
175	MH 175W/U/T15	40335	M57/E	14000	80	9100	10000	4000	65	Clear	U	A	12	74
175	MH 175W/U/T15/10K	70136	M57/E	-	-	-	8000	10000	65	Clear	U	A	12	74
250	MH 250W/U/T15	33479	M58/E	21000	84	13700	10000	4000	65	Clear	U	A	12	74
250	MH 250W/U/T15/10K	63897	M58/E	-	-	-	8000	10000	65	Clear	U	A	12	74
250	MS 250W/HOR/T15*	88353	M58/E	23000	92	15000	10000	4000	65	Clear	HOR±45°	A1	12	74
250	MS 250W/HOR/T15/3K*	54843	M58/E	21000	84	13700	10000	3200	65	Clear	HOR±45°	A1	12	74
400	MH 400W/U/T15	55422	M59/E	36000	90	23400	15000	4000	65	Clear	U	B	12	75
400	MS 400W/HOR/T15*	55100	M59/E	40000	100	26000	15000	4000	65	Clear	HOR±45°	C1	12	75
400	MS 400W/HOR/T15/3K*	32225	M59/E	38000	95	24700	15000	3200	65	Clear	HOR±45°	C1	12	75
1000	MS 1000W/HOR/T25/PS*	49111	M141/E	110000	110	77000	5000	3400	65	Clear	HOR±45°	F	6	57

## ANSI Type-O Formed Body Arc Tubular Lamps (T15)

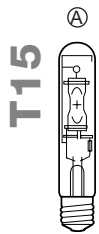
UNI-FORM<sup>®</sup>  
ARC TUBE TECHNOLOGY

Watts	Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Oper. Pos.	Fig.	Case Qty	Ballast Ref. Pg.
200	MS 200W/H75/T15/PS	70764	M136/E	19000	95	15000	12000	4000	65	Clear	HOR±75°	D	12	44
320	MS 320W/H75/T15/PS	79710	M154/E**	30000	94	23000	20000	4000	65	Clear	HOR±75°	E	12	48
350	MS 350W/H75/T15/PS	93749	M131/E	33000	94	25000	20000	4000	65	Clear	HOR±75°	E	12	49

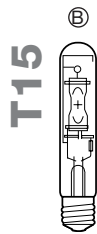
\* Permitted rotation about horizontal lamp axis ±15°.

\*\* Lamp warranty is limited on M132 ballasts.  
See individual specification sheets for details.

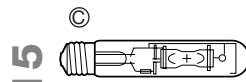
Lamps



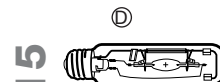
Di. = 1 7/8" (46mm)  
MOL = 8 5/16" (211mm)  
LCL = 5" (127mm)  
Base = E39  
(A) Base = EP39



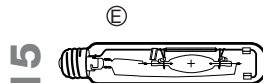
Di. = 1 7/8" (46mm)  
MOL = 9 3/4" (248mm)  
LCL = 5 3/4" (146mm)  
Base = E39



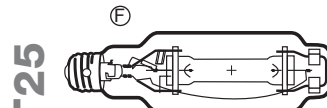
Di. = 1 7/8" (46mm)  
MOL = 9 3/4" (248mm)  
LCL = 5 3/4" (146mm)  
Base = E39  
(C) Base = EP39



Di. = 1 7/8" (46mm)  
MOL = 8 5/16" (211mm)  
LCL = 5" (127mm)  
Base = E39



Di. = 1 7/8" (46mm)  
MOL = 11 1/2" (292mm)  
LCL = 7" (178mm)  
Base = E39



Di. = 3 1/8" (79mm)  
MOL = 11 1/2" (292mm)  
LCL = 7" (178mm)  
Base = EP39 (POMB)

# Double Ended & G12 Lamps

SPECIALTY METAL HALIDE LAMPS



## ANSI Type-E Single Ended Lamps (G12) UNIFORM<sup>®</sup> ARC TUBE TECHNOLOGY UVShield<sup>®</sup> World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Control Gear Ref. Pg.
HIT 70W/G12/UVS/4K	52983	M85/M98/E	5600	75	3600	10000	4200	70	Clear	U	A	25	39/82
HIT 70W/G12/UVS/3K	12108	M85/M98/E	5600	75	3600	10000	3000	70	Clear	U	A	25	39/82
HIT 100W/G12/UVS/4K	89887	M90/E	9000	90	5900	10000	4200	70	Clear	U	A	25	40/82
HIT 150W/G12/UVS/4K	25779	M81/M102/E	14000	93	10500	10000	4200	70	Clear	U	A	25	42/82
HIT 150W/G12/UVS/3K	12106	M81/M102/E	14000	93	10500	10000	3000	70	Clear	U	A	25	42/82

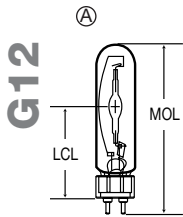
## ANSI Type-E Double Ended Lamps UNIFORM<sup>®</sup> ARC TUBE TECHNOLOGY UVShield<sup>®</sup> World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Control Gear Ref. Pg.
MH-DE 70W/UVS/4K	60248	M85/M98/E	5500	73	3600	10000	4200	70	Clear	HOR±45°	B	25	39/82
MH-DE 70W/UVS/3K	16786	M85/M98/E	5200	69	3400	10000	3000	70	Clear	HOR±45°	B	25	39/82
MH-DE 70W/UVS/FS/6K	79470	M85/M98/E	4800	64	4100	10000	6500	90	Clear	HOR±45°	B	25	39/82
MH-DE 150W/UVS/4K	74756	M81/M102/E	11250	75	8400	10000	4200	70	Clear	HOR±45°	C	25	42/82
MH-DE 150W/UVS/3K	11295	M81/M102/E	11250	75	8400	10000	3000	70	Clear	HOR±45°	C	25	42/82
MH-DE 150W/UVS/FS/6K	29963	M81/M102/E	11250	75	9600	10000	6500	90	Clear	HOR±45°	B	25	42/82

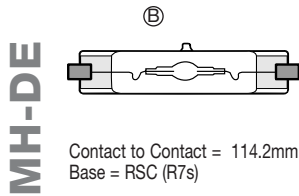
## ANSI Type-E Double Ended Lamps (RSC and Fc2) UNIFORM<sup>®</sup> ARC TUBE TECHNOLOGY UVShield<sup>®</sup> World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Control Gear Ref. Pg.
MH-DE 250W/3K/Fc2	84727	M80/E	20000	80	13000	10000	3000	70	Clear	HOR±45°	D	25	82
MH-DE 250W/4K/Fc2	72748	M80/E	20000	80	13000	10000	4200	70	Clear	HOR±45°	D	25	82
MH-DE 250W/4K/RSC	22468	M80/E	20000	80	13000	10000	4200	70	Clear	HOR±45°	C1	25	82

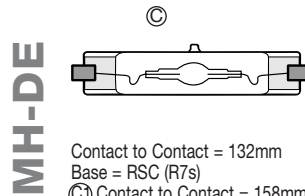
**Lamps**



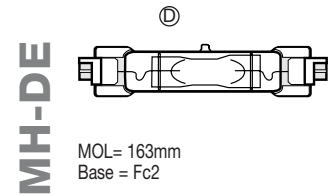
Dia. = 23mm  
MOL = 110mm  
LCL = 56mm  
Base = G12



Contact to Contact = 114.2mm  
Base = RSC (R7s)



Contact to Contact = 132mm  
Base = RSC (R7s)  
C) Contact to Contact = 158mm



MOL = 163mm  
Base = Fc2

**EUROPEAN USAGE:**

70, 100, 150, 250 watt lamps operate on HPS ballasts with MH ignitors  
See page 82 for European control gear

# High Wattage Double Ended

SPECIALTY METAL HALIDE LAMPS



## ANSI Type-E 1000 Watt Double Ended Lamps (RSC-RX7s) World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Control Gear Ref. Pg.
MBIL S 1000W	22417*	M_/F**	80000	80	64000	6000	5200	65	Frosted	HOR±15°	A	6	82

## ANSI Type-E 1500 Watt Double Ended Lamps (RSC-RX7s) World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Control Gear Ref. Pg.
MBIL S 1500W	22151*	M_/F**	130000	87	104000	6000	5200	65	Frosted	HOR±15°	B	6	82

## ANSI Type-E 2000\*\*\* Watt Double Ended Lamps (Special) World Lamp

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Control Gear Ref. Pg.
MBIL S 2000W	22132*	M_/F**	215000	100	172000	6000	5200	65	Frosted	HOR±15°	C	2	75/82

## ANSI Type-E 2000 Watt Double Ended Lamps (Special) North American Style

Lamp Description	Product No.	ANSI Code	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours	CCT (K)	CRI	Finish	Operating Position	Fig.	Case Qty	Control Gear Ref. Pg.
MH-DE 2000W/T9	84476****	M134/F**	200000	100	170000	3000	4000	65	Clear	HOR±15°	D	2	75/82
MH-DE 2000W/T9/UVS	17236****	M134/E	200000	100	170000	3000	4000	65	Clear	HOR±15°	D	2	75/82

\* Approved ballasts are 1000W - M141, 1500W - M133, 2000W - M134

\*\* F - ANSI code for lamps which must be used in enclosed luminaires with UV attenuating lenses.

WARNING: Do not operate this lamp if the lens is broken or missing since the unattenuated UV from this lamp can cause serious skin burn and eye inflammation.

\*\*\*MBIL 2000 watt lamps are measured at 2150 watts.

\*\*\*\*New! Contact Manufacturer for product availability.

### EUROPEAN USAGE:

High Wattage Double Ended Lamps operate on reactor ballasts with MH ignitors

See our website for further information

<b>Lamps</b>	(A)		(B)		(C)		(D)	
	<b>MBIL S</b>		<b>MBIL S</b>		<b>MBIL S</b>		<b>MH-DE</b>	
	MOL = 256mm Effective arc length = 182mm Base = RSC (RX7s)		MOL = 256mm Effective arc length = 166mm Base = RSC (RX7s)		MOL = 311mm Effective arc length = 188mm Base = SINGLE CONTACT-SPECIAL		MOL = 254mm Effective arc length = 109mm Base = CABLE/SPADE	