



# HID lamps





# STANDARD gives you options!

Metal Halide (MH) Lamps are characterized by a white light, a long life, and are suitable for both indoor and outdoor applications. Ceramic Metal Halide (CMH) Lamps combine the white light of metal halide with the added benefit of high CRI. CMH lamps are an energy efficient alternative to halogen lamps!

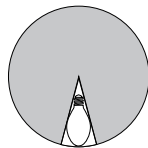
## Warranty



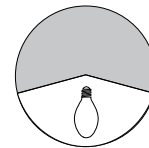
STANDARD Products Inc. warrants its HID lamps of 8 000 hours or more for 1 year. Maximize performance by combining STANDARD HID lamps and STANDARD magnetic HID ballasts and extend both your lamp and your ballast warranties. For more information, please visit our website.

## Burn Positions

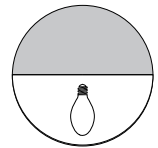
Lamps must be operated in their specified operating positions in order to maximize lamp performance and life. Incorrect operating positions may also create the possibility of a lamp rupture.



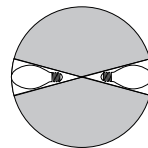
BU±15°



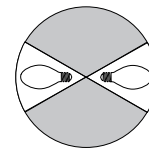
BU±75°



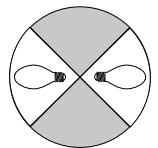
BU±90°



HOR±15°



HOR±45°



HOR±75°



Universal





## The Challenge

- ▶ Warehouse application where the ceiling height can be an issue
- ▶ Need adjustable lighting system for a better control of beam angles
- ▶ Need a lighting system that is reliable at any temperature

## The Solution

HID lamps are still the best choice for many high bay applications such as warehouses. The small compact light source of an HID lamp allows you to easily control beam angles. Furthermore, HID systems do not have any ceiling height restrictions and they can be used in a wider variety of applications.

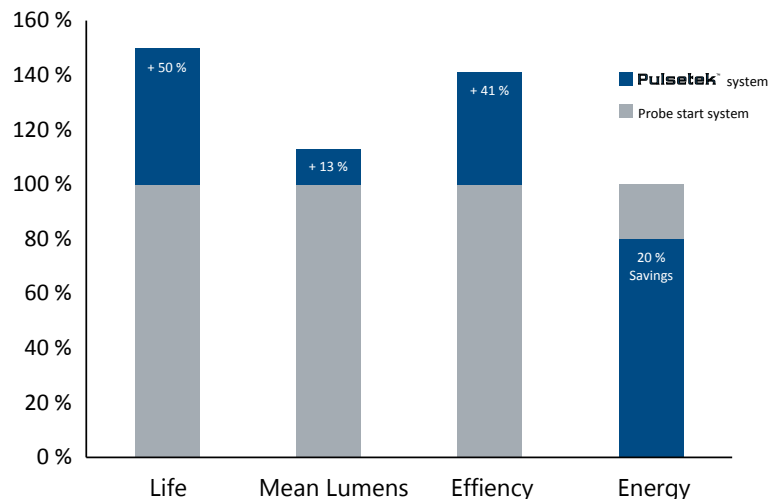
HID lamps will perform equally well and maintain light output in both cold and warm applications.

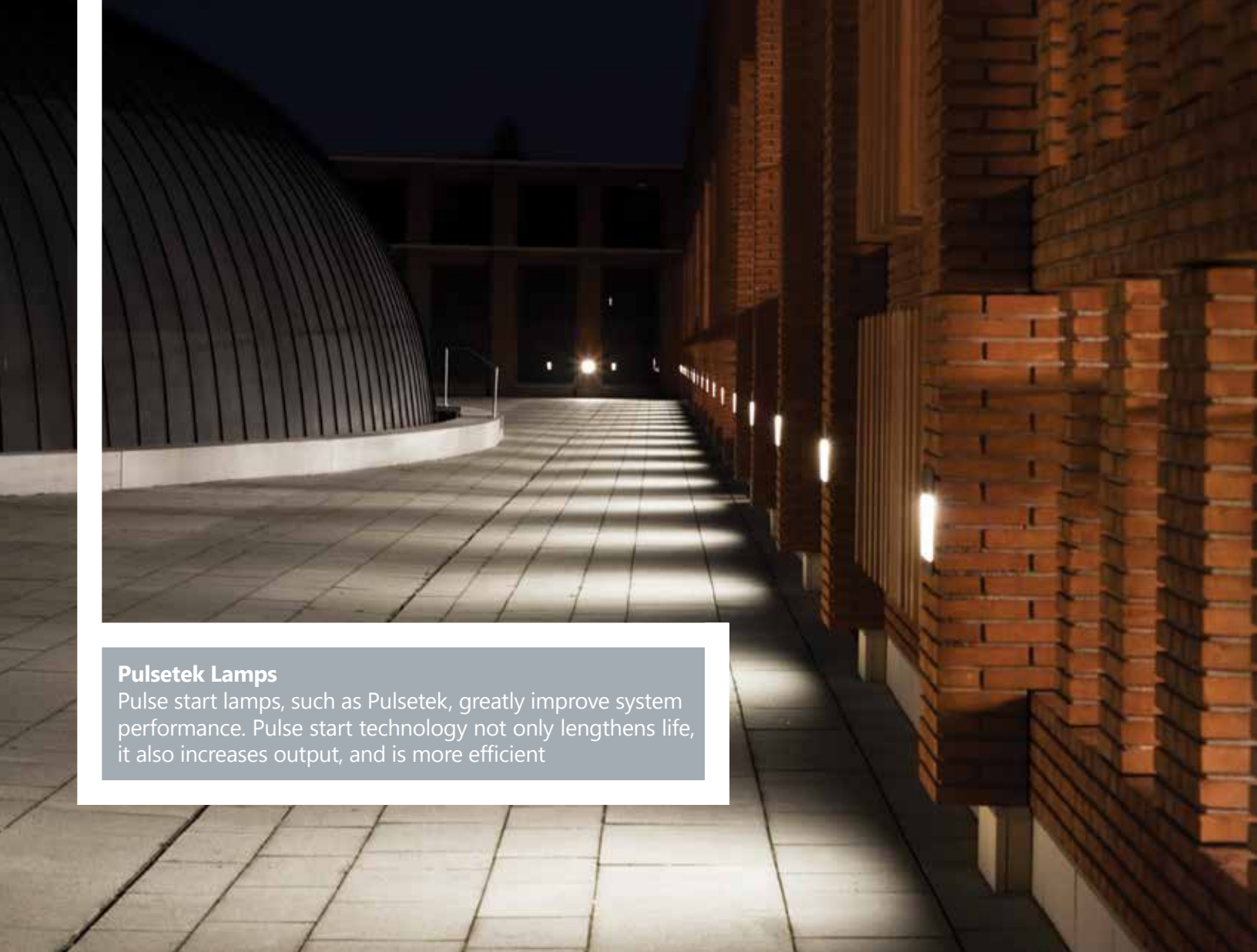
## The Benefits

- ▶ Longer life
- ▶ Colour uniformity
- ▶ Faster warm-up and restrike time - achieve hot restrike in 60 % less time
- ▶ Higher lumen per watt efficacy
- ▶ Superior lumen maintenance

**\$27.00**  
in savings!

400 W PROBE START RETROFIT TO 320 W PULSE START





### Pulsetek Lamps

Pulse start lamps, such as Pulsetek, greatly improve system performance. Pulse start technology not only lengthens life, it also increases output, and is more efficient

ED17



Base: E26

Dia. = 2 1/2 in. (54 mm)  
 MOL = 5 3/8 in. (138 mm)  
 LCL = 3 1/2 in. (86 mm)

EDX17



Base: E26

Dia. = 2 1/2 in. (54 mm)  
 MOL = 5 3/8 in. (138 mm)  
 LCL = 3 1/2 in. (86 mm)

ED28



Base: E39

Base: EX39

Dia. = 3 1/2 in. (89 mm)  
 MOL = 8 5/8 in. (211 mm)  
 LCL = 5 in. (127 mm)



OUTDOOR



INDOOR



UV STOP



1 YEAR WARRANTY



ONE SYSTEM WARRANTY

# Pulse Start Lamps

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
<b>50 watts</b>													
58073	MH50W/U/PS STD	ED17	E26	M110/E	4 000	65	10 000	3 400	2 200	U	Clear	E	12
58037	MH50W/C/U/PS STD	ED17	E26	M110/E	3 700	70	10 000	3 200	2 100	U	Coated	E	12
58056	MP50W/U/UVS/PS STD	EDX17	E26	M110/O	4 000	65	10 000	3 200	2 100	U	Clear	O	12
59143	MP50W/C/U/UVS/PS STD	EDX17	E26	M110/O	3 700	70	10 000	3 000	2 000	U	Coated	O	12
58029	MP50W/U/UVS/PS/3K STD	EDX17	E26	M110/O	3 200	65	10 000	3 200	2 100	U	Clear	O	12
<b>70 watts</b>													
57995	MH70W/U/PS STD	ED17	E26	M98/E	4 000	65	15 000	5 600	3 600	U	Clear	E	12
58034	MH70W/C/U/PS STD	ED17	E26	M98/E	3 700	70	15 000	5 300	3 400	U	Coated	E	12
58065	MP70W/U/UVS/PS STD	EDX17	E26	M98/O	4 000	65	15 000	5 300	3 400	U	Clear	O	12
57982	MP70W/C/U/UVS/PS STD	EDX17	E26	M98/O	3 700	70	15 000	5 000	3 300	U	Coated	O	12
58069	MP70W/U/UVS/PS/3K STD	EDX17	E26	M98/O	3 200	65	15 000	5 300	3 400	U	Clear	O	12
58039	MP70W/C/U/UVS/PS/3K STD	EDX17	E26	M98/O	3 200	70	15 000	5 000	3 300	U	Coated	O	12
58043	MH70W/U/ED28/PS STD	ED28	E39	M98/E	4 000	65	15 000	5 600	3 600	U	Clear	E	12
<b>100 watts</b>													
58055	MH100W/U/PS STD	ED17	E26	M90/E	4 000	65	15 000	9 000	5 900	U	Clear	E	12
58042	MH100W/C/U/PS STD	ED17	E26	M90/E	3 700	70	15 000	8 500	5 500	U	Coated	E	12
58020	MP100W/U/UVS/PS STD	EDX17	E26	M90/O	4 000	65	15 000	8 500	5 500	U	Clear	O	12
58032	MP100W/C/U/UVS/PS STD	EDX17	E26	M90/O	3 700	70	15 000	8 100	5 300	U	Coated	O	12
58023	MP100W/U/UVS/PS/3K STD	EDX17	E26	M90/O	3 200	65	15 000	8 500	5 500	U	Clear	O	12
58031	MP100W/C/U/UVS/PS/3K STD	EDX17	E26	M90/O	3 200	70	15 000	8 100	5 300	U	Coated	O	12
61958	MH100W/U/ED28/PS STD	ED28	E39	M90/E	4 300	65	10 000	9 000	5 900	U	Clear	E	12
57997	MH100W/C/U/ED28/PS STD	ED28	E39	M90/E	3 700	70	15 000	8 500	5 500	U	Coated	E	12
59142	MP100W/C/U/ED28/UVS/PS/3K STD	ED28	EX39	M90/O	3 200	70	15 000	8 100	5 300	U	Coated	O	12
<b>150 watts</b>													
58025	MH150W/U/PS/740 STD	ED17	E26	M102/E	4 000	65	15 000	14 000	10 500	U	Clear	E	12
58018	MH150W/C/U/PS/737 STD	ED17	E26	M102/E	3 700	70	15 000	13 300	10 000	U	Coated	E	12
58053	MP150W/U/UVS/PS/740 STD	EDX17	E26	M102/O	4 000	65	15 000	13 300	10 000	U	Clear	O	12
58054	MP150W/C/U/UVS/PS/737 STD	EDX17	E26	M102/O	3 700	70	15 000	12 600	9 500	U	Coated	O	12
58038	MH150W/U/ED28/PS/740 STD	ED28	E39	M102/E	4 000	68	15 000	14 000	10 500	U	Clear	E	12
58057	MP150W/C/U/ED28/UVS/PS/737 STD	ED28	EX39	M102/O	3 700	70	15 000	12 600	9 500	U	Coated	O	12
<b>175 watts</b>													
58044	MS175W/BU/MED/PS/740 STD	ED17	E26	M152/E	4 000	65	15 000	17 500	14 000	BU±15°	Clear	E	12
59144	MS175W/C/BU/MED/PS/737 STD	ED17	E26	M152/E	3 700	70	15 000	16 600	13 300	BU±15°	Coated	E	12
57986	MS175W/BU/PS/740 STD	ED28	E39	M152/E	4 000	65	15 000	17 500	14 000	BU±15°	Clear	E	12
57984	MS175W/C/BU/PS/737 STD	ED28	E39	M152/E	3 700	70	15 000	16 600	13 300	BU±15°	Coated	E	12
<b>200 watts</b>													
57976	MS200W/BU/MED/PS/740 STD	ED17	E26	M136/E	4 000	68	12 000	21 000	16 800	BU±15°	Clear	E	12
57967	MS200W/V/PS/740 STD	ED28	E39	M136/E	4 000	68	15 000	21 000	16 800	BU±15°	Clear	E	12
57987	MS200W/C/V/PS/737 STD	ED28	E39	M136/E	3 700	70	20 000	20 000	16 000	BU±15°	Coated	E	12

Note: Lamp description containing UVS have the UV Stop feature.

**SAFETY WARNING:** R WARNING: THESE LAMPS CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE 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 WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALY AVAILABLE. Complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
<b>250 watts</b>													
58072	MS250W/V/PS/740 STD	ED28	E39	M153/E	4 000	65	20 000	25 000	19 000	BU±15°	Clear	E	12
57999	MS250W/C/V/PS/737 STD	ED28	E39	M153/E	3 700	70	20 000	23 800	18 088	BU±15°	Coated	E	12
57998	MS250W/H75/PS/740 STD	ED28	E39	M153/E	4 000	68	10 000	22 000	17 600	HOR±75°	Clear	E	12
57980	MP250W/BU/UVS/PS/740 STD	ED28	EX39	M153/O	4 000	65	15 000	23 800	19 000	BU±15°	Clear	O	12
58059	MP250W/C/BU/UVS/PS/737 STD	ED28	EX39	M153/O	3 700	70	15 000	22 600	18 080	BU±15°	Coated	O	12
<b>320 watts</b>													
57964	MS320W/V/ED37/PS/740 STD	ED37	E39	M154/E	4 000	65	20 000	33 000	26 400	BU±15°	Clear	E	6
57996	MS320W/H75/T15/L/PS/740 STD	T15	E39	M154/E	4 000	68	20 000	30 000	24 000	HOR±75°	Clear	E	12
57973	MS320W/V/ED28/PS/740 STD	ED28	E39	M154/E	4 000	65	20 000	33 000	26 400	BU±15°	Clear	E	12
59147	MS320W/H75/ED28/PS/740 STD	ED28	E39	M154/E	4 000	68	10 000	30 000	24 000	HOR±75°	Clear	E	12
58026	MP320W/BU/ED28/UVS/PS/740 STD	ED28	EX39	M154/O	4 000	65	20 000	31 000	24 800	BU±15°	Clear	O	12
58027	MP320W/C/BU/ED28/UVS/PS/737 STD	ED28	EX39	M154/O	3 700	70	20 000	29 000	23 200	BU±15°	Coated	O	12
58051	MP320W/BU/ED37/UVS/PS/740 STD	ED37	EX39	M154/O	4 000	65	20 000	31 000	24 800	BU±15°	Clear	O	6
58060	MP320W/C/BU/ED37/UVS/PS/737 STD	ED37	EX39	M154/O	3 700	70	20 000	29 000	23 200	BU±15°	Coated	O	6
<b>350 watts</b>													
59148	MS350W/V/ED28/PS/740 STD	ED28	E39	M131/E	4 000	68	20 000	37 000	29 000	BU±15°	Clear	E	12
58071	MS350W/H75/ED28/PS/740 STD	ED28	E39	M131/E	4 000	68	26 000	33 000	26 000	HOR±75°	Clear	E	12
58024	MS350W/V/PS/740 STD	ED37	E39	M131/E	4 000	65	20 000	37 000	29 000	BU±15°	Clear	E	6
57988	MS350W/C/V/PS/737 STD	ED37	E39	M131/E	3 700	70	20 000	35 000	28 000	BU±15°	Coated	E	6
58052	MP350W/V/UVS/PS/740 STD	ED37	EX39	M131/O	4 000	65	20 000	35 000	28 000	BU±15°	Clear	O	6
59146	MP350W/C/V/UVS/PS/737 STD	ED37	EX39	M131/O	3 700	70	20 000	33 000	26 000	BU±15°	Coated	O	6
<b>400 watts</b>													
58001	MS400W/V/ED28/PS/740 STD	ED28	E39	M155/E	4 000	65	20 000	44 000	35 200	BU±15°	Clear	E	12
58036	MP400W/V/ED28/UVS/PS/740 STD	ED28	EX39	M155/O	4 000	68	20 000	41 000	35 000	BU±15°	Clear	O	12
58064	MS400W/H75/ED28/PS/740 STD	ED28	E39	M155/E	4 000	65	10 000	40 000	32 000	HOR±75°	Clear	E	12
57994	MS400W/V/PS/740 STD	ED37	E39	M155/E	4 000	68	20 000	44 000	35 000	BU±15°	Clear	E	6
58066	MS400W/C/V/PS/737 STD	ED37	E39	M155/E	3 700	70	20 000	42 000	33 600	BU±15°	Coated	E	6
57968	MS400W/H75/PS/740 STD	ED37	E39	M155/E	4 000	68	26 000	40 000	32 000	HOR±75°	Clear	E	6
57991	MP400W/V/UVS/PS/740 STD	ED37	EX39	M155/O	4 000	68	20 000	41 000	33 000	BU±15°	Clear	O	6
58070	MP400W/C/V/UVS/PS/737 STD	ED37	EX39	M155/O	3 700	70	20 000	39 000	31 000	BU±15°	Coated	O	6
<b>450 watts</b>													
59140	MS450W/V/PS/740 STD	ED37	E39	M155/E	4 000	65	20 000	50 000	40 000	BU±15°	Clear	E	6
57981	MP450W/BU/UVS/PS/740 STD	ED37	EX39	M155/O	4 000	65	20 000	47 000	37 600	BU±15°	Clear	O	6
57974	MP450W/C/BU/UVS/PS/737 STD	ED37	EX39	M155/O	3 700	70	20 000	45 000	36 000	BU±15°	Coated	O	6
<b>1 000 watts</b>													
61055	MS1000W/BU/ED37/PS/740 STD	ED37	E39	M141/E	4 000	68	12 000	115 000	86 000	BU±15°	Clear	E	6

Note: Lamp description containing UVS have the UV Stop feature.

**SAFETY WARNING:** R WARNING: THESE LAMPS CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE 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 WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALY AVAILABLE. Complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

# Pulse Start Lamps





### Applications

- ▶ Parking lots
- ▶ Gas station canopies
- ▶ Security lighting
- ▶ Billboard lighting
- ▶ Roadway
- ▶ Site lighting
- ▶ Wall wash
- ▶ Area lighting



ED28



Base: EX39

Base: E39

Dia. = 3 1/2 in. (89 mm)  
 MOL = 8 5/8 in. (211 mm)  
 LCL = 5 in. (127 mm)

ED37



Base: EX39

Base: E39

Dia. = 4 1/2 in. (117.5 mm)  
 MOL = 11 1/2 in. (292 mm)  
 LCL = 7 in. (178 mm)

T15



Base: E39

Dia. = 1 1/2 in. (48 mm)  
 MOL = 8 5/8 in. (211 mm)  
 LCL = 5 in. (127 mm)

  
 OUTDOOR

  
 INDOOR

  
 UV STOP

  
 1 YEAR WARRANTY

  
 ONE SYSTEM WARRANTY



### Applications

- ▶ Landscape Lighting
- ▶ Downlighting - low ceiling
- ▶ Sconce lighting
- ▶ Energy saving applications

T6



Base: R7s

Dia. =  $\frac{7}{8}$  in. (20 mm)  
 MOL = 4  $\frac{1}{2}$  in. (114 mm)  
 LCL = 2  $\frac{3}{8}$  in. (59 mm)

T7



Base: R7s

Dia. =  $\frac{7}{8}$  in. (23 mm)  
 MOL = 5  $\frac{3}{8}$  in. (132 mm)  
 LCL = 2  $\frac{1}{2}$  in. (61 mm)

ED28



Base: E39

Dia. = 3  $\frac{1}{2}$  in. (89 mm)  
 MOL = 8  $\frac{1}{8}$  in. (211 mm)  
 LCL = 5 in. (127 mm)

ED37



Base: EX39

Dia. = 4  $\frac{1}{8}$  in. (117.5 mm)  
 MOL = 11  $\frac{1}{2}$  in. (292 mm)  
 LCL = 7 in. (178 mm)



OUTDOOR



INDOOR



UV STOP



1 YEAR WARRANTY



ONE SYSTEM WARRANTY

# Specialty Lamps



Energy Mate lamps are specifically designed to operate with all traditional probe start metal halide fixtures and ballasts - allowing you to relamp probe start applications without changing the ballast!

- ▶ Save up to 40 watts per fixture!
- ▶ Designed to replace 400 watt standard metal halide lamps
- ▶ Shrouded open-rated lamp available in 360 watts

O = Open rated for indoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
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### 360 watts

61054	MPI360W/BU/EM STD	ED37	EX39	M165/M59/O	4 000	65	20 000	36 000	23 000	BU±15°	Clear	O	6
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## RETRO-WHITE™

Switch from yellow HPS light to white Metal Halide without modifying existing HPS ballast and fixture. These lamps are great for a quick and cost effective retrofit conversion solutions.

- ▶ Excellent CRI 65 vs. 22 CRI for HPS

E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
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### 250 watts

58016	MH250W/U/LU STD	ED28	E39	S50/E	4 000	65	10000	20000	13000	U	Clear	E	12
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## Double Ended

E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
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### 70 watts

57975	MH-DE 70W/UVS/4K STD	T6	R7s	M85/E	4 200	65	10 000	5 500	3 600	HOR±45°	Clear	E	25
58045	MH-DE 70W/UVS/3K STD	T6	R7s	M85/E	3 000	65	10 000	5 200	3 400	HOR±45°	Clear	E	25

### 150 watts

59141	MH-DE 150W/UVS/3K STD	T7	R7s	M81/E	3 000	65	10 000	11 250	8 400	HOR±45°	Clear	E	25
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Note: Lamp description containing UVS have the UV Stop feature.

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ED17



Base: E26

Dia. = 2 1/2 in. (54 mm)  
MOL = 5 5/8 in. (138 mm)  
LCL = 3 3/8 in. (86 mm)

T15



Base: E39  
Base: EP39

Dia. = 1 1/4 in. (48 mm)  
MOL = 9 3/4 in. (248 mm)  
LCL = 5 in. (127 mm)

ED28



Base: E39  
Base: EP39

Dia. = 3 1/2 in. (89 mm)  
MOL = 8 5/8 in. (211 mm)  
LCL = 5 in. (127 mm)

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
<b>175 watts</b>													
58041	MH175W/U/MED STD	ED17	E26	M57/E	4 000	65	10 000	14 000	9 100	U	Clear	E	12
57979	MH175W/C/U/MED STD	ED17	E26	M57/E	3 700	70	10 000	13 300	8 600	U	Coated	E	12
58010	MH175W/U STD	ED28	E39	M57/E	4 000	65	10 000	14 000	9 100	U	Clear	E	12
58022	MH175W/C/U STD	ED28	E39	M57/E	3 700	70	10 000	13 300	8 600	U	Coated	E	12
<b>250 watts</b>													
57978	MH250W/U STD	ED28	E39	M58/E	4 000	65	10 000	21 000	13 700	U	Clear	E	12
58078	MPI250W/BU STD	ED28	EX39	M58/O	4 000	65	10 000	21 800	14 200	BU±15°	Clear	O	12
57977	MH250W/C/U STD	ED28	E39	M58/E	3 700	70	10 000	20 000	13 000	U	Coated	E	12
58047	MS250W/C/BU/3K STD	ED28	E39	M58/E	3 200	70	10 000	20 000	13 000	BU±15°	Coated	E	12
58017	MS250W/HOR STD	ED28	EP39	M58/E	4 000	65	10 000	23 000	15 000	HOR±45°	Clear	E	12
58061	MH250W/U/T15 STD	T15	E39	M58/E	4 000	65	10 000	21 000	13 700	U	Clear	E	12
58074	MS250W/HOR/T15/3K STD	T15	EP39	M58/E	3 200	65	10 000	21 000	13 700	HOR±45°	Clear	E	12
58002	MS250W/HOR/T15 STD	T15	EP39	M58/E	4 000	65	10 000	23 000	15 000	HOR±45°	Clear	E	12



OUTDOOR



INDOOR



1 YEAR WARRANTY



ONE SYSTEM WARRANTY

# Traditional Lamps



O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	ANSI code	Colour temp. (K)	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
<b>400 watts</b>													
57966	MH400W/U/ED28 STD	ED28	E39	M59/E	4 000	65	20 000	36 000	23 000	U	Clear	E	12
58049	MH400W/C/U/ED28 STD	ED28	E39	M59/E	3 700	70	20 000	34 000	22 000	U	Coated	E	12
58063	MS400W/BU/ED28 STD	ED28	E39	M59/E	4 000	65	20 000	40 000	35 200	BU±15°	Clear	E	12
58048	MH400W/U STD	ED37	E39	M59/E	4 000	65	20 000	36 000	23 000	U	Clear	E	6
58000	MH400W/C/U STD	ED37	E39	M59/E	3 700	70	20 000	34 000	22 000	U	Coated	E	6
59145	MS400W/HOR STD	ED37	EP39	M59/E	4 000	65	20 000	40 000	26 000	HOR±45°	Clear	E	6
59136	MS400W/C/HOR STD	ED37	EP39	M59/E	3 700	70	20 000	38 000	24 000	HOR±45°	Coated	E	6
58019	MPI400W/BU STD	ED37	EX39	M59/O	4 000	65	20 000	38 000	30 400	BU±15°	Clear	O	6
58079	MPI400W/C/BU STD	ED37	EX39	M59/O	3 700	70	20 000	38 000	25 000	BU±15°	Coated	O	6
58076	MH400W/U/T15 STD	T15	E39	M59/E	4 000	65	15 000	36 000	23 000	U	Clear	E	12
58058	MS400W/HOR/T15/3K STD	T15	EP39	M59/E	3 200	65	15 000	38 000	24 000	HOR±45°	Clear	E	12
58075	MS400W/HOR/T15 STD	T15	EP39	M59/E	4 000	65	15 000	40 000	26 000	HOR±45°	Clear	E	12
<b>1 000 watts</b>													
61056	MH1000W/U/ED37 STD	ED37	E39	M47/E	4 000	65	12 000	110 000	71 000	U	Clear	E	6
57993	MH1000W/U STD	BT56	E39	M47/E	4 000	65	12 000	110 000	71 000	U	Clear	E	6

**SAFETY WARNING:** R WARNING: THESE LAMPS CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE 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 WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALY AVAILABLE. Complies with USA Federal Standard 21 CFR 1040.30 and Canada Standard SOR/80-381.

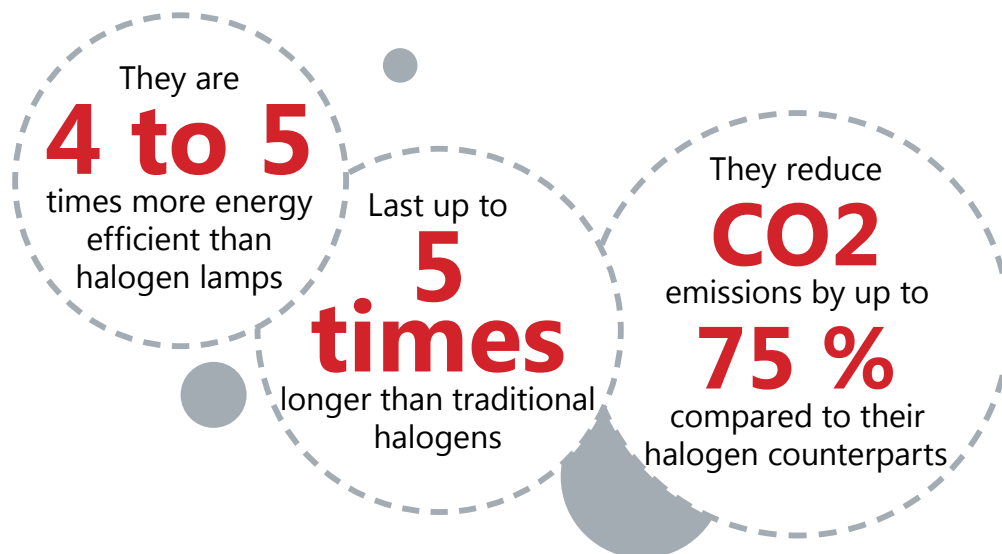




## CERAPRO™ Ceramic Metal Halide Lamps

### Why Ceramic Metal Halide?

- ▶ Reduced maintenance and replacements costs
- ▶ Superior colour rendering with CRI of up to 92
- ▶ Lamps are designed to maintain colour rendering throughout the lamp life
- ▶ Unbeatable combination of performance, reliability and energy savings



# The Challenge

Provide the best light quality in a retail store to enhance merchandise displays. Create a brighter, more vibrant atmosphere in the boutique. Reduce the maintenance and energy cost of the current halogen system.

# The Solution

Install the CeraPro lamps in the retail store. These lamps provide superior lumen maintenance, UV stop, universal burn position and a shorter hot restrike and warm-up time.

# The Benefits

- ▶ Prevent discoloration or fading of merchandise with UV stop
- ▶ 360° fixture positioning
- ▶ Increase retail store's performance
- ▶ Consistent & seamless look throughout the store

	<b>CMH 20 W</b>	<b>HALOGEN 75 W</b>
System power consumption	22 W	75 W
Burning hours per year	5 000	5 000
Energy cost (kWh)	\$ 0.10	\$ 0.10
Energy consumption per year	110 kWh	375 kWh
Energy costs per year	\$ 11.00	\$ 37.50
Emission of CO <sub>2</sub>	47.3 kg	161.25 kg

## Save 71% in energy costs

Save energy, reduce operating and maintenance costs, and reduce your carbon footprint - all without compromise!





PAR20

Dia. = 2 1/8 in. (65 mm)  
MOL = 3 3/8 in. (95 mm)



PAR30LN

Dia. = 3 3/8 in. (95 mm)  
MOL = 4 1/8 in. (122 mm)



PAR38

Dia. = 4 7/8 in. (123 mm)  
MOL = 5 1/8 in. (138 mm)

**CERAPRO™**

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	Colour temp. (K)	ANSI code	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	CBCP	Beam angle (°)	Luminaire	Case qty
<b>20 watts</b>														
59986	CMH20PAR20/830/SP/STD	PAR20	E26	3 000	C156	85	10 000	1 160	960	U	15 000	10	O	24
59987	CMH20PAR20/830/FL/STD	PAR20	E26	3 000	C156	85	10 000	1 160	960	U	3 500	30	O	24
59991	CMH20PAR30LN/830/FL/STD	PAR30LN	E26	3 000	C156	85	10 000	1 200	1 000	U	4 000	30	O	6
<b>35 watts</b>														
59988	CMH35PAR20/830/SP/STD	PAR20	E26	3 000	C130	80	10 000	2 000	1 722	U	23 000	10	O	24
59989	CMH35PAR20/830/FL/STD	PAR20	E26	3 000	C130	80	10 000	2 000	1 722	U	5 000	30	O	24
59992	CMH35PAR30LN/830/SP/STD	PAR30LN	E26	3 000	C130	80	10 000	2 200	1 804	U	44 000	10	O	6
59993	CMH35PAR30LN/830/FL/STD	PAR30LN	E26	3 000	C130	80	10 000	2 200	1 804	U	7 500	30	O	6
<b>70 watts</b>														
59994	CMH70PAR30LN/830/SP/STD	PAR30LN	E26	3 000	C139/C98/C143	85	10 000	4 850	4 122	U	68 000	10	O	6
59995	CMH70PAR30LN/830/FL/STD	PAR30LN	E26	3 000	C139/C98/C143	85	10 000	4 850	4 122	U	13 500	30	O	6
59996	CMH70PAR38/830/SP/STD	PAR38	E26	3 000	C139/C98/C143	85	10 000	4 800	4 080	U	53 000	15	O	6
59997	CMH70PAR38/830/FL/STD	PAR38	E26	3 000	C139/C98/C143	85	10 000	4 800	4 080	U	20 000	25	O	6



OUTDOOR



INDOOR



CRI



1 YEAR WARRANTY



ONE SYSTEM WARRANTY

ONE SYSTEM WARRANTY

# Ceramic Metal Halide Lamps



T4



Base: GU6.5  
Dia. = 1/2 in. (13 mm)  
MOL = 2 13/32 in. (63.0 mm)  
LCL = 1 3/16 in. (30 mm)

T4.5



Base: G8.5  
Dia. = 9/16 in. (14 mm)  
MOL = 3 7/32 in. (80 mm)  
LCL = 2 1/16 in. (52 mm)

T6



Base: G12  
Dia. = 3/4 in. (19 mm)  
MOL = 3 15/16 in. (100.0 mm)  
LCL = 2 7/32 in. (56 mm)  
  
Dia. = 7/8 in. (22 mm)  
MOL = 4 11/32 in. (110 mm)  
LCL = 2 7/32 in. (56 mm)

ED17



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

**CERAPRO™**

O = Open rated for indoor fixtures E = Enclosed rated for indoor or outdoor fixtures

Order code	Description	Shape	Base	Colour temp. (K)	ANSI code	CRI	Average life (hrs)	Initial lumens (lm)	Mean lumens (lm)	Burn pos.	Finish	Luminaire	Case qty
<b>20 watts</b>													
59984	CMT20/U/830/GU6.5/STD	T4	GU6.5	3 000	C156	85	12 000	1 650	1 400	U	Clear	E	24
60006	CMT20/U/840/GU6.5/STD	T4	GU6.5	4 000	C156	85	12 000	1 700	1 494	U	Clear	E	24
59974	CMT20/U/830/G8.5/STD	T4.5	G8.5	3 000	C156	85	12 000	1 650	1 320	U	Clear	E	24
60004	CMT20/U/840/G8.5/STD	T4.5	G8.5	4 000	C156	85	12 000	1 800	1 350	U	Clear	E	24
60898	CMT20/U/830/G12/STD	T6	G12	3 000	C156	85	12 000	1 750	1 320	U	Clear	E	12
<b>35 watts</b>													
60007	CMT35/U/842/GU6.5/STD	T4	GU6.5	4 200	C130	85	12 000	3 300	2 640	U	Clear	E	24
59985	CMT35/U/830/GU6.5/STD	T4	GU6.5	3 000	C130	80	12 000	3 100	2 500	U	Clear	E	24
59975	CMT35/U/830/G8.5/STD	T4.5	G8.5	3 000	C130	80	12 000	3 300	2 650	U	Clear	E	24
59976	CMT35/U/842/G8.5/STD	T4.5	G8.5	4 200	C130	85	12 000	3 300	2 800	U	Clear	E	24
59978	CMT35/U/830/G12/STD	T6	G12	3 000	C130	85	12 000	3 300	2 650	U	Clear	E	12
59979	CMT35/U/842/G12/STD	T6	G12	4 200	C130	85	12 000	3 300	2 800	U	Clear	E	12
<b>70 watts</b>													
59977	CMT70/U/830/G8.5/STD	T4.5	G8.5	3 000	C139/C98/C143	85	12 000	6 700	5 500	U	Clear	E	24
60005	CMT70/U/940/G8.5/STD	T4.5	G8.5	4 000	C139/C98/C143	90	12 000	6 400	5 248	U	Clear	E	24
59980	CMT70/U/830/G12/STD	T6	G12	3 000	C139/C98/C143	85	12 000	6 700	5 600	U	Clear	E	12
59981	CMT70/U/940/G12/STD	T6	G12	4 000	C139/C98/C143	90	12 000	6 600	5 040	U	Clear	E	12
59998	CMH70ED17/830/E26/CL/STD	ED17	E26	3 000	C139/C98/C143	85	16 000	6 200	5 270	U	Clear	E	6
60893	CMH70ED17/830/E26/C/STD	ED17	E26	3 000	C139/C98/C143	85	16 000	5 800	4 650	U	Coated	E	24
59999	CMH70ED17/940/E26/CL/STD	ED17	E26	4 000	C139/C98/C143	90	20 000	5 900	5 000	U	Clear	E	6
<b>100 watts</b>													
61731	CMT100/U/830/G12/STD	T6	G12	3 000	C90/C140	85	12 000	9 500	7 125	U	Clear	E	12
60000	CMH100ED17/830/E26/CL/STD	ED17	E26	3 000	C90	85	16 000	8 600	7 470	U	Clear	E	6
60894	CMH100ED17/830/E26/C/STD	ED17	E26	3 000	C90	85	16 000	8 800	7 050	U	Coated	E	24
60001	CMH100ED17/940/E26/CL/STD	ED17	E26	4 000	C90	90	20 000	8 500	6 800	U	Clear	E	6
<b>150 watts</b>													
59982	CMT150/U/830/G12/STD	T6	G12	3 000	C102/C142	85	12 000	14 000	11 200	U	Clear	E	12
59983	CMT150/U/940/G12/STD	T6	G12	4 000	C102/C142	93	12 000	13 000	10 400	U	Clear	E	12
60002	CMH150ED17/830/E26/CL/STD	ED17	E26	3 000	C102/C142	85	16 000	14 000	11 900	U	Clear	E	6
60003	CMH150ED17/940/E26/CL/STD	ED17	E26	4 000	C102/C142	93	20 000	13 000	11 050	U	Clear	E	6

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# HID lamps

**STANDARD**<sup>™</sup>

1-800-361-6965  
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