

Bright Ideas, Bold Innovations

Energy Master®

NEW
NOW AVAILABLE IN
HIGH CRI (90+),
HIGH COLOR
TEMPERATURE
(5000°K), WITH
90% LUMEN
MAINTENANCE!

Save On Energy Costs By Switching Just The Lamp!

- Energy saving retrofit lamps to replace probe start and pulse start metal halide lamps
- Use existing luminaires and ballasts
- Safe alternative - Open rated lamps are available in probe start 360 watt, and in pulse start 250, 320, 350 and 400 watts
- Clear and coated outer jacket options available
- Watch your energy savings grow with *Energy Master!*



**A Retrofit Series of Lamps
invented by**



**VENTURE®
LIGHTING**

Change Just The Lamp!

Retrofit for Safety

For applications where safety is an issue, Venture Lighting offers open-rated *Energy Master* MPI (probe start) and MP (pulse start) lamps, which meet **2005 NEC** requirements. The arc tube is enclosed within a quartz shroud to prevent the outer glass jacket from breaking in the event of an arc tube rupture, passing ANSI containment tests. Lamp types are available for operation on pulse start or standard (probe start) 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
- Safe alternative - Full range of open-rated lamps available in 150 and 360 watt probe start metal halide lamps and 250, 320, 350 and 400 watt pulse start metal halide lamps
- Clear and coated outer jacket options available
- Watch your energy savings grow with *Energy Master*!

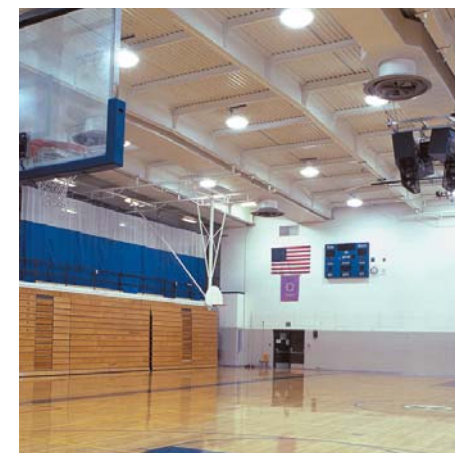
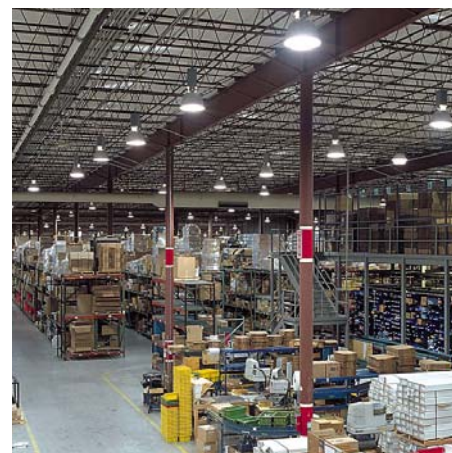
For Any Application

Indoor or outdoor, *Energy Master* lamps are perfect for energy savings in any application.

For Any Application



Indoor



Outdoor

Energy Savings

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. For example, at a cost of \$0.12/KWH, the energy savings over the rated life of the 360 watt *Energy Master* lamp (rated at 20,000 hours) is \$64 per fixture.

Calculation:

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

Simple

Change Just the Lamp!

Considering an update of your lighting system? Explore the advantages of the *Energy Master* line - just replace your lamp. That's it! The high cost of a whole new lighting system or the labor cost of re-wiring or installing new wiring is not needed with *Energy Master* energy saving retrofit lamps. Use existing luminaires and ballasts.

Better Quality Light

High Color Temperature, High CRI Benefits:

Experience the benefits of using *Energy Master* high color temperature retrofit lamps, energy savings and better quality light:

- Superior color rendering: 90+ CRI, 5000° K correlated color temperature
- Excellent color uniformity and stability throughout the life of the lamp
- Safe - ANSI Type-O, shrouded versions available
- Save on energy consumption



Energy Master® Lamps

SPECIALTY METAL HALIDE LAMPS

ANSI Type-E Probe Start Medium and Mogul Base 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	M57/107/E	13500	90	8800	10000	4000	65	Clear	U	E	12	175/U/MED	25
150	MH 150W/C/U/EM	39083	M57/107/E	12800	85	8300	10000	3700	70	Coated	U	E	12	175/C/U/MED	25
150	MH 150W/U/ED28/EM	69559	M57/107/E	13500	90	8800	10000	4000	65	Clear	U	C	12	175/U; 175/BU	25
360	MS 360W/BU/EM	62274	M59/165/E	36000	100	23400	20000	4000	65	Clear	BU±15°	A	6	400/U; 400/BU	40
360	MS 360W/HOR/T15/EM	10133	M59/165/E	35000	97	22800	20000	4000	65	Clear	HOR±45°	F	12	400W/HOR/T15	40

ANSI Type-O Probe Start Mogul Base 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
360	MPI 360W/BU/EM/HO	38029	M59/165/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	M59/165/O	34000	94	24000	20000	3700	70	Coated	BU±15°	B	6	400/C/U; 400/C/BU	40

ANSI Type-E Pulse Start Mogul Base Lamps

Watts	Lamp Description	Product No.	ANSI Spec	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours ³	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved
320	MS 320W/V/ED28/PS/EM/740	21000*	M154/E	31000	103	25000	20000+	4000	68	Clear	V±15°	G	12	320W/V/ED28/PS	20
320	MS 320W/V/ED37/PS/EM/740	16229*	M154/E	31000	103	25000	20000+	4000	68	Clear	V±15°	H	6	320W/V/ED37/PS	20
320	MS 320W/C/V/ED37/PS/EM/737	50628*	M154/E	29000	97	23200	20000+	3700	70	Coated	V±15°	G	6	320W/C/V/ED37/PS	20

UNIFORM®
ARC TUBE TECHNOLOGY

ANSI Type-O Pulse Start Mogul Base Lamps

Watts	Lamp Description	Product No.	ANSI Spec	Initial Lumens	Lumens Per Watt	Mean Lumens	Avg. Life Hours ³	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved
320	MP 320W/V/ED28/UVS/PS/EM/740	TBD*	M154/O	29000	97	23200	20000+	4000	68	Clear	V±15°	I	12	320W/V/ED28/PS	20
320	MP 320W/C/V/ED28/UVS/PS/EM/737	TBD*	M154/O	27000	90	21600	20000+	3700	70	Coated	V±15°	I	12	320W/C/V/ED28/PS	20
320	MP 320W/V/ED37/UVS/PS/EM/740	TBD*	M154/O	31000	103	25000	20000+	4000	65	Clear	V±15°	J	6	320W/V/ED37/PS	20
320	MP 320W/C/V/ED37/UVS/PS/EM/737	TBD*	M154/O	28000	97	23200	20000+	3700	70	Coated	V±15°	J	6	320W/C/V/ED37/PS	20

UNIFORM®
ARC TUBE TECHNOLOGY

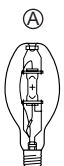
ANSI Type-O High Color Temperature, Mogul Base Lamps

Watts	Lamp Description	Product No.	ANSI Spec	Effective Lumens ¹	Eff. Mean Lumens ²	Avg. Life Hours ³	CCT (K)	CRI	Finish	Operating Pos.	Fig.	Case Qty	Replaces	Watts Saved
250	MP 250W/BU/UVS/PS/EM/950	TBD*	M153/O	18500	15500	20000+	5000	90+	Clear	BU±15°	I	12	250W/BU/ED28/PS	15
320	MP 320W/BU/ED28/UVS/PS/EM/950	TBD*	M154/O	23500	20000	20000+	5000	90+	Clear	BU±15°	I	12	320W/BU/ED28/PS	20
320	MP 320W/BU/ED37/UVS/PS/EM/950	TBD*	M154/O	23500	20000	20000+	5000	90+	Clear	BU±15°	J	6	320W/BU/ED37/PS	20
350	MP 350W/BU/ED28/UVS/PS/EM/950	33149	M131/O	27000	23000	20000+	5000	90+	Clear	BU±15°	I	12	350W/BU/ED28/PS	25
350	MP 350W/BU/ED37/UVS/PS/EM/950	51628	M131/O	27000	23000	20000+	5000	90+	Clear	BU±15°	J	6	350W/BU/ED37/PS	25
400	MP 400W/BU/ED28/UVS/PS/EM/950	72315	M155/O	31500	26500	20000+	5000	90+	Clear	BU±15°	I	12	400W/BU/ED28/PS	25
400	MP 400W/BU/ED37/UVS/PS/EM/950	57129	M155/O	31500	26500	20000+	5000	90+	Clear	BU±15°	J	6	400W/BU/ED37/PS	25

UNIFORM®
ARC TUBE TECHNOLOGY

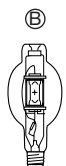
Lamps

ED37



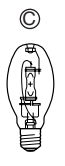
Dia. = 4 3/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = E39

BT37



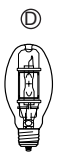
Dia. = 4 3/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = EX39

ED28



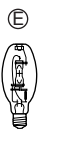
Dia. = 3 1/2" (90mm)
MOL = 8 5/8" (211mm)
LCL = 5" (127mm)
Base = E39

ED28



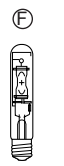
Dia. = 3 1/2" (90mm)
MOL = 8 5/8" (211mm)
LCL = 5" (127mm)
Base = EX39

ED17



Dia. = 2 1/2" (54mm)
MOL = 5 7/8" (138mm)
LCL = 3 3/4" (86mm)
Base = E26

T15



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

- Notes:**
- 1 Effective lumens are scotopically enhanced for indoor lighting; (S/P)^{0.5} = 1.13 relative to standard 4000K lamps.
 - 2 Mean lumen rating of 90% is based upon operation on Venture's Opti-Wave® magnetic ballasts or Venture's Opti-E™ electronic 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.

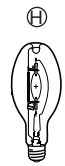
* New! Contact manufacturer for product availability.

ED28



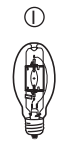
Dia. = 3 1/2" (90mm)
MOL = 8 5/8" (211mm)
LCL = 5" (127mm)
Base = E39

ED37



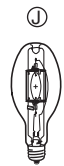
Dia. = 4 3/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = E39

ED28



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

ED37



Dia. = 4 3/8" (120mm)
MOL = 11 1/2" (292mm)
LCL = 7" (178mm)
Base = EX39

(800) 451-2606
or (440) 248-3510

Fax: (800) 451-2605
10295 Philipp Parkway
Streetsboro, Ohio 44241 USA
E-mail: venture@adlt.com
venturelighting.com

