# MERCURY LAMPS



#### **Key Features & Benefits**

- Long life
- Low initial costs
- Clear and coated lamp types
- Moderate color rendering
- Good efficiency
- Universal operating positions

MERCURY VAPOR lamps are designed primarily for use in general lighting applications where good efficiency and long life are desired with moderate color rendering requirements.

Available in a wide range of lamp types from 75-1000 watts, in both clear and coated configurations, Mercury vapor lamps are ideal for a variety of lighting applications. PAR lamps offer floodlighting and ultraviolet spectra for special lighting applications.

## **Product Offering**

Wattage	Bulb Shape	Lamp Finish
75	E17	Coated
100	E17, ET23.5	Coated
100	PAR38	<del>_</del>
175	ED28	Clear, Coated
250	ED28	Coated
400	ED37	Clear, Coated
1000	BT56	Coated

## **System Comparison**

#### 69449 versus 64490 and 67533

Lamp Type	Description	Average Rated Life (hrs.)	Initial Lumens	Mean Lumens	CRI
Mercury Vapor	H33CD-400	24,000	20,000	18,700	22
Metalarc	M400/U	20,000	36,000	23,500	65
Lumalux	LU400/EC0	24,000	50,000	45,000	22

## **Application Information**

#### **Applications**

- Commercial applications
- Industrial areas
- Outdoor facades
- Parking lots
- Security lighting
- Street and area lighting

#### **Fixtures**

Contact your local fixture agent for available fixtures.

#### **Application Notes**

- 1. Lamps can be operated in open and enclosed fixtures.
- 2. All lamps can be operated universally.

#### **Ballast Information**

Lamps are approved for use on systems meeting the respective ANSI standard.



# **Specification Data**

Catalog #	Туре
Project Comments	
Comments	
Prepared by	

# **Ordering Information**

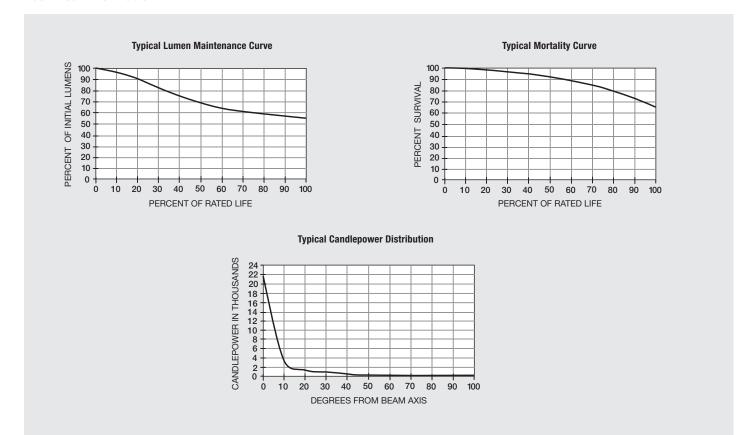
					Average						Lamp
Ordering				ANSI	Rated	Initial	Mean			Beam	Efficacy
Abbreviation	Watts	Bulb	Base	Code	Life (hrs.)1	Lumens	Lumens	CCT	CRI	Angle	(LPW)
H43AV-75/DX	75	E17	Medium	H43	16,000	2700	1800	4300K	45		36
H38AV-100/DX	100	E17	Medium	H38	18,000	4000	3560	4000K	45		40
H38JA-100/DX	100	ET23.5	Mogul	H38	24,000	4100	3300	4000K	45		40
H44JM-100/MDSK	100	PAR38	Med. Skirt	H44	16,000	2500	1950	5900K	20	8°	25
H39KB-175	175	ED28	Mogul	H39	24,000	7700	7150	5900K	22		44
H39KC-175/DX	175	ED28	Mogul	H39	24,000	8400	6800	4000K	45		48
H37KC-250/DX	250	ED28	Mogul	H37	24,000	12,500	10,000	4000K	45		50
H33CD-400	400	ED37	Mogul	H33	24,000	20,000	18,700	5900K	22		50
H33GL-400/DX	400	ED37	Mogul	H33	24,000	23,000	16,200	4000K	43		55
H36GW-1000/DX	1000	BT56	Mogul	H36	24,000	58,000	48,500	4000K	45		56
	Abbreviation H43AV-75/DX H38AV-100/DX H38JA-100/DX H44JM-100/MDSK H39KB-175 H39KC-175/DX H37KC-250/DX H33CD-400 H33GL-400/DX	Abbreviation         Watts           H43AV-75/DX         75           H38AV-100/DX         100           H38JA-100/DX         100           H44JM-100/MDSK         100           H39KB-175         175           H39KC-175/DX         175           H37KC-250/DX         250           H33CD-400         400           H33GL-400/DX         400	Abbreviation         Watts         Bulb           H43AV-75/DX         75         E17           H38AV-100/DX         100         E17           H38JA-100/DX         100         E723.5           H44JM-100/MDSK         100         PAR38           H39KB-175         175         ED28           H39KC-175/DX         175         ED28           H37KC-250/DX         250         ED28           H33CD-400         400         ED37           H33GL-400/DX         400         ED37	Abbreviation         Watts         Bulb         Base           H43AV-75/DX         75         E17         Medium           H38AV-100/DX         100         E17         Medium           H38JA-100/DX         100         E723.5         Mogul           H44JM-100/MDSK         100         PAR38         Med. Skirt           H39KB-175         175         ED28         Mogul           H39KC-175/DX         175         ED28         Mogul           H37KC-250/DX         250         ED28         Mogul           H33CD-400         400         ED37         Mogul           H33GL-400/DX         400         ED37         Mogul	Abbreviation         Watts         Bulb         Base         Code           H43AV-75/DX         75         E17         Medium         H43           H38AV-100/DX         100         E17         Medium         H38           H38JA-100/DX         100         ET23.5         Mogul         H38           H44JM-100/MDSK         100         PAR38         Med. Skirt         H44           H39KB-175         175         ED28         Mogul         H39           H39KC-175/DX         175         ED28         Mogul         H39           H37KC-250/DX         250         ED28         Mogul         H37           H33CD-400         400         ED37         Mogul         H33           H33GL-400/DX         400         ED37         Mogul         H33	Ordering Abbreviation         Watts         Bulb Base         Base Code         Rated Life (hrs.)¹           H43AV-75/DX         75         E17         Medium         H43         16,000           H38AV-100/DX         100         E17         Medium         H38         18,000           H33JA-100/DX         100         ET23.5         Mogul         H38         24,000           H44JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000           H39KB-175         175         ED28         Mogul         H39         24,000           H39KC-175/DX         175         ED28         Mogul         H39         24,000           H37KC-250/DX         250         ED28         Mogul         H37         24,000           H33CD-400         400         ED37         Mogul         H33         24,000           H33GL-400/DX         400         ED37         Mogul         H33         24,000	Ordering Abbreviation         Watts         Bulb         Base         Code Code         Life (hrs.)¹         Initial Lumens           H43AV-75/DX         75         E17         Medium         H43         16,000         2700           H38AV-100/DX         100         E17         Medium         H38         18,000         4000           H33JA-100/DX         100         ET23.5         Mogul         H38         24,000         4100           H44JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500           H39KB-175         175         ED28         Mogul         H39         24,000         7700           H39KC-175/DX         175         ED28         Mogul         H39         24,000         8400           H37KC-250/DX         250         ED28         Mogul         H37         24,000         12,500           H33GD-400         400         ED37         Mogul         H33         24,000         20,000           H33GL-400/DX         400         ED37         Mogul         H33         24,000         23,000	Ordering Abbreviation         Watts         Bulb         Base         Code Code         Life (hrs.)¹         Initial Lumens         Mean Lumens           H43AV-75/DX         75         E17         Medium         H43         16,000         2700         1800           H38AV-100/DX         100         E17         Medium         H38         18,000         4000         3560           H33JA-100/DX         100         ET23.5         Mogul         H38         24,000         4100         3300           H44JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500         1950           H39KB-175         175         ED28         Mogul         H39         24,000         7700         7150           H39KC-175/DX         175         ED28         Mogul         H39         24,000         8400         6800           H37KC-250/DX         250         ED28         Mogul         H37         24,000         12,500         10,000           H33GL-400/DX         400         ED37         Mogul         H33         24,000         20,000         18,700	Ordering Abbreviation         Watts         Bulb         Base         Code Code         Life (hrs.)¹         Initial Lumens         Mean Lumens         CCT           H43AV-75/DX         75         E17         Medium         H43         16,000         2700         1800         4300K           H38AV-100/DX         100         E17         Medium         H38         18,000         4000         3560         4000K           H33JA-100/DX         100         ET23.5         Mogul         H38         24,000         4100         3300         4000K           H44JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500         1950         5900K           H39KB-175         175         ED28         Mogul         H39         24,000         7700         7150         5900K           H37KC-250/DX         175         ED28         Mogul         H39         24,000         8400         6800         4000K           H33CD-400         400         ED37         Mogul         H33         24,000         20,000         18,700         5900K           H33GL-400/DX         400         ED37         Mogul         H33         24,000         23,000 <td< td=""><td>Ordering Abbreviation         Watts         Bulb         Base         Code Code         Life (hrs.)¹         Initial Lumens         Mean Lumens         CCT         CRI           H43AV-75/DX         75         E17         Medium         H43         16,000         2700         1800         4300K         45           H38AV-100/DX         100         E17         Medium         H38         18,000         4000         3560         4000K         45           H33JA-100/DX         100         E723.5         Mogul         H38         24,000         4100         3300         4000K         45           H34JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500         1950         5900K         20           H39KB-175         175         ED28         Mogul         H39         24,000         7700         7150         5900K         22           H37KC-250/DX         250         ED28         Mogul         H37         24,000         8400         6800         4000K         45           H33CD-400         400         ED37         Mogul         H33         24,000         20,000         18,700         5900K         22           H33</td><td>Ordering Abbreviation         Watts         Bulb Bulb         Base         ANSI Code         Rated Life (hrs.)¹         Initial Lumens         Mean Lumens         CCT CRI         Bange         Beam Angle           H43AV-75/DX         75         E17         Medium         H43         16,000         2700         1800         4300K         45           H38AV-100/DX         100         E17.         Medium         H38         18,000         4000         3560         4000K         45           H33JA-100/DX         100         E723.5         Mogul         H38         24,000         4100         3300         4000K         45           H34JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500         1950         5900K         20         8°           H39KB-175         175         ED28         Mogul         H39         24,000         7700         7150         5900K         22         18           H37KC-250/DX         250         ED28         Mogul         H37         24,000         8400         6800         4000K         45         18           H33GD-400         400         ED37         Mogul         H33         24,000         20,000&lt;</td></td<>	Ordering Abbreviation         Watts         Bulb         Base         Code Code         Life (hrs.)¹         Initial Lumens         Mean Lumens         CCT         CRI           H43AV-75/DX         75         E17         Medium         H43         16,000         2700         1800         4300K         45           H38AV-100/DX         100         E17         Medium         H38         18,000         4000         3560         4000K         45           H33JA-100/DX         100         E723.5         Mogul         H38         24,000         4100         3300         4000K         45           H34JM-100/MDSK         100         PAR38         Med. 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Medium         H38         18,000         4000         3560         4000K         45           H33JA-100/DX         100         E723.5         Mogul         H38         24,000         4100         3300         4000K         45           H34JM-100/MDSK         100         PAR38         Med. Skirt         H44         16,000         2500         1950         5900K         20         8°           H39KB-175         175         ED28         Mogul         H39         24,000         7700         7150         5900K         22         18           H37KC-250/DX         250         ED28         Mogul         H37         24,000         8400         6800         4000K         45         18           H33GD-400         400         ED37         Mogul         H33         24,000         20,000<

<sup>1.</sup> Rated life shows mean lumens measured at 50% of rated life.

# **Ordering Guide**

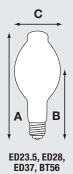
H	38AV	100	/	Finish	
Mercury	Ballast	Wattage:		= Clear	
Vapor	Designation	75, 100, 175, 250,		DX = Coated	
		400 and 1000 watts			

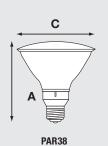
## **Technical Information**

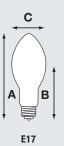


#### **Dimensions**

Ordering Abbreviation	(A) MOL	(B) LCL	(C) Bulb Diameter
E17	5.44"	3.75"	2.13"
ET23.5	7.5"	5.0"	2.93"
ED28	8.31"	5.0"	3.5"
ED37	11.5"	7.0"	4.63"
BT56	15.38"	9.5"	7.0"
PAR38	5.44"	n/a	4.75"







**Sample Specification** 

Lamp(s) shall be (a) Mercury Vapor lamp(s) and shall be operated in any position.

# **Safety Information**

WARNING: This lamp 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 commercially available.

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