

# Product Information Bulletin

## MERCURY LAMPS



### Features and 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 ultra-violet spectra for special lighting applications.

### Product Availability

Wattage	Bulb Shapes	Finish
75	E17	Coated
100	E17, ET23.5	Coated
100	PAR38, R40	—
175	ED28, R40	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/ECO	24,000	50,000	45,000	22

### Application Information

#### Applications

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

#### Fixtures

Contact your local fixture agent for available fixtures.

#### Ballast Information

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

#### Application Notes

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



**Sample Specification**

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

**Ordering and Specification Information**

Item Number	Ordering Abbreviation	Watts	Bulb	Base	ANSI Spec. No.	Avg. Rated Life (hrs.)	Initial Lumens	Mean Lumens	CCT	CRI	Beam Angle
69402	H43AV-75/DX	75	E17	Medium	H43	16,000	2700	1800	4300K	45	
69403	H38AV-100/DX	100	E17	Medium	H38	18,000	4000	3560	4000K	45	
69408	H38JA-100/DX	100	ET23.5	Mogul	H38	24,000	4100	3300	4000K	45	
68843	H44GS-100SP	100	PAR38	Admed. Skirt	H44	16,000	2500	1950	5900K	20	8°
68846	H44GS-100/MDSK	100	PAR38	Med. Skirt	H44	16,000	2500	1950	5900K	20	8°
69405	H38BP-100/DX	100	R40	Medium	H38	24,000	2500	2000	4000K	45	
69444	H39KB-175	175	ED28	Mogul	H39	24,000	7700	7150	5900K	22	
69445	H39KC-175/DX	175	ED28	Mogul	H39	24,000	8400	6800	4000K	45	
69406	H39BP-175/DX	175	R40	Medium	H39	24,000	5100	4100	4000K	45	
69448	H37KC-250/DX	250	ED28	Mogul	H37	24,000	12,500	10,000	4000K	45	
69449	H33CD-400	400	ED37	Mogul	H33	24,000	20,000	18,700	5900K	22	
69450	H33GL-400/DX	400	ED37	Mogul	H33	24,000	23,000	16,200	4000K	43	
69331	H36GW-1000/DX	1000	BT56	Mogul	H36	24,000	58,000	48,500	4000K	45	

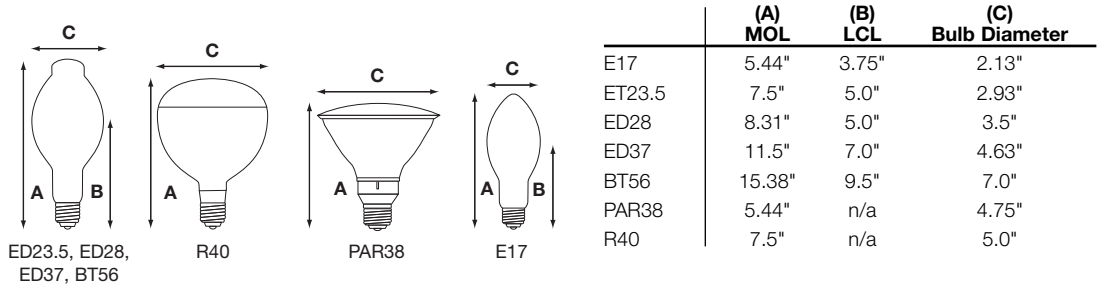
Note:

1. Rated life shows mean lumens measured at 50% of rated life.

**Ordering Guide**

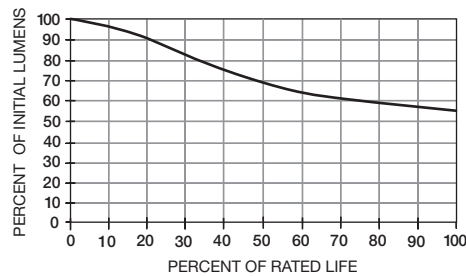
<b>H</b> Mercury Vapor	<b>38AV</b> Ballast designation	<b>100</b> Wattage: 75, 100 175, 250, 400 and 1000 watts	/	<b>Finish</b> __ = Clear DX = Coated
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**Dimensions**

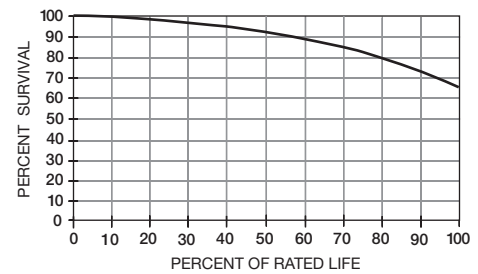


**Technical Information**

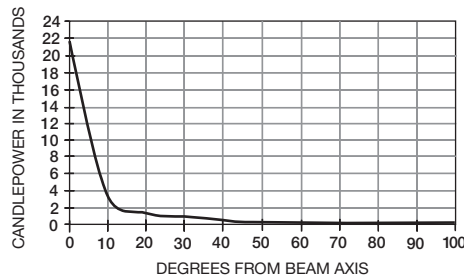
**Typical Lumen Maintenance Curve**



**Typical Mortality Curve**



**Typical Candlepower Distribution**



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