

# LUMALUX® MERCURY FREE / ECO®

## Mercury and Lead Free High Pressure Sodium Lamps



- Breakthrough Technology
- Passes Federal TCLP test
- Mercury-free arc tube
- Lead-free hard glass outer jacket
- Welded, lead-free mogul base
- May reduce disposal costs
- Exclusive ceramic arc tube with reformulated fill
- Lead-free welded base allows a maximum base temperature of 250°C; 40°C higher than ANSI specification for soldered bases
- Direct replacement for standard HPS, maintaining same ballasting requirements
- Meets all physical and electrical ANSI requirements
- Equivalent performance to standard HPS lamps

ECOLOGIC® is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



**SYLVANIA LUMALUX MERCURY FREE/ECO lamps incorporate the latest technology to eliminate both mercury and lead and thus allow them to pass the federal TCLP test.**

LUMALUX MERCURY FREE/ECO lamps are constructed using an exclusive ceramic arc tube, a reformulated mercury-free fill, and a lead-free welded base. In addition, these lamps operate on standard HPS ballasts and have life and efficacy ratings equivalent to standard HPS.

### Product Availability

Watts	Base	Bulb Finish
70, 100, 150	Mogul lead-free	Clear

### Lamp Comparison

	Standard HPS	LUMALUX PLUS/ECO	LUMALUX MERCURY FREE/ECO
Mercury / Lead	Fail TCLP	Pass TCLP <sup>1</sup> No Lead, Reduced Mercury	Pass TCLP No Lead, No Mercury!

1. TCLP claims based on OSRAM SYLVANIA's TCLP test protocol. Some states and localities have lower limits than the Federal TCLP standard and have different disposal regulations for mercury containing lamps. Data available upon request. 1998 Federal TCLP limits: 5.0mg/l for lead and 0.2mg/l for mercury.

### System Benefits

- Eliminates the need to test lamps for lead and mercury.
- Eliminates confusion regarding testing and disposing of lamps.
- Eliminates the need to recycle spent lamps or dispose of spent lamps in a special manner.
- Reduces lamp disposal costs.

### Application Information

Applications	Fixtures
Street and roadway lighting	Roadway fixture-Cobra head
Parking lots and garages	High bay
Warehouses	Low bay
Manufacturing facilities	Parking lot
Power plants and refineries	Wall mount
General area lighting	



### Sample Specification

Lamps shall be MERCURY FREE LUMALUX / ECO high pressure sodium lamps that are both lead free and mercury free. Lamps shall include a welded, lead-free brass base, a lead-free glass outer jacket, and a mercury free high pressure sodium arc tube, and thus, shall pass Federal TCLP testing. Lamps shall be a direct retrofit on existing ANSI designated ballasts of similar wattage of standard high-pressure sodium lamps and shall meet existing ANSI specifications for those corresponding wattages.

### Ordering and Specification Information

Item Number	Ordering Abbreviation	Bulb	Base	ANSI Code	Avg. Rated Life (hrs) <sup>3</sup>	Initial Lumens	Mean Lumens	CCT
67565	LU70/HgF/ECO	ET23.5	E39 Mogul	S62	24,000	6000	5100	2150
67558	LU100/HgF/ECO	ET23.5	E39 Mogul	S54	24,000	9500	8500	2150
67566	LU150/55/HgF/ECO	ET23.5	E39 Mogul	S55	24,000	15,500	13,200	2200

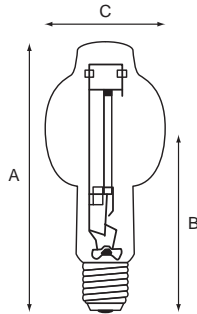
Notes:

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- Universal operating position.
- Average rated life based on 10 hours per start.
- Hot restrike time of 1 minute; same as standard HPS lamps.
- Warm-up time of 3 to 4 minutes; same as standard HPS lamps.
- CRI for MERCURY FREE LUMALUX / ECO lamps is 22.

### Ordering Guide

LU	70	/	HgF	/	ECO
LUMALUX	Wattage:		Mercury Free		Ecologic
High Pressure	70, 100,				
Sodium	150 watts				

### Dimensions



Ordering Abbreviation	(A) MOL	(B) LCL	(C) Diameter
LU70/HgF/ECO	7.75"	5.00"	2.94"
LU100/HgF/ECO	7.75"	5.00"	2.94"
LU150/55/HgF/ECO	7.75"	5.00"	2.94"

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### Technical Information

