

# LUMALUX® STANDBY

## Dual Arc-Tube High Pressure Sodium Lamps

Constructed with two arc-tubes, SYLVANIA LUMALUX STANDBY lamps are designed to ensure quick restarting in the event of a momentary power interruption. The unique design yields longer life which translates into lower maintenance costs and less frequent relamping.

The LUMALUX STANDBY lamps instantly restrike after a power interruption, providing approximately 15% of its normal light output once the power returns. By providing instant illumination at such a critical time, LUMALUX STANDBY lamps are ideal for many applications where safety is a concern.

### Key Features & Benefits

- Dual arc-tube construction ensures quick restarting in the event of a momentary power interruption
- Extremely long life — Most lamp types have an average rated life of 40,000 hours
- Very high efficacy: Up to 127 initial LPW
- Lead-free borosilicate hard glass outer jacket
- Lead-free bases allow a maximum base temperature of 250°C, 40°C higher than ANSI specification for soldered bases
- Nearly equal light output as compared to standard LUMALUX HPS lamps
- Direct replacement for standard HPS; operates on ANSI ballasts of same wattage
- Full product line available including 100, 150, 200, 250, 400 and 1000 watts

### Product Offering

Wattage	Bulb Shape	Operating Position
100, 150	ED23.5	Universal
200, 250, 400	T14.5	Universal
1000	ET25	Universal

### Lamp Comparison

Lamp Type	Average Rated Life (hrs.)	Initial Lumens	Mean Lumens
LU100/STBY	40,000	9500	7150
LU100/ECO	24,000	9500	8000



### Application Information

#### Applications

- Manufacturing facilities
- Parking lots and garages
- Prisons
- Street and roadway lighting
- Warehouses

#### 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 may be operated in any position.
2. Lamps can be operated in open and enclosed fixtures.



Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base <sup>a</sup>	ANSI Code	Average Rated Life (hrs.)	Initial Lumens	Mean Lumens <sup>2</sup>	Lamp Efficacy (LPW)
67542	LU100/SBY	100	ED23.5	E39 Mogul	S54	40,000 <sup>1</sup>	9500	7150	95
67544	LU150/55/SBY	150	ED23.5	E39 Mogul	S55	40,000 <sup>1</sup>	16,000	12,100	107
67586	LU200/100/SBY	200	T14.5	E39 Mogul	S66	40,000 <sup>1</sup>	21,500	18,000	108
67582	LU250/SBY	250	T14.5	E39 Mogul	S50	40,000 <sup>1</sup>	27,500	23,200	110
67584	LU400/SBY	400	T14.5	E39 Mogul	S51	40,000 <sup>1</sup>	50,000	40,000	125
67543	LU1000/SBY	1000	ET25	E39 Mogul	S52	30,000 <sup>1</sup>	127,000	115,000	127

1. STANDBY feature not guaranteed beyond 24,000 operating hours.  
2. Mean lumens are measured on ANSI reference circuits at rated wattage at 50% of average rated life.  
3. For lamp wattages of 360W or greater, it is recommended that lampholders with nickel-plated copper alloy center contacts (with spring) should be used rather than electrical contacts made of stainless steel.

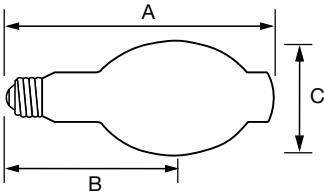
**General Notes:**  
a. CRI and CCT for LUMALUX® STANDBY lamps is approximately 22 and 2100K, respectively.

Ordering Guide

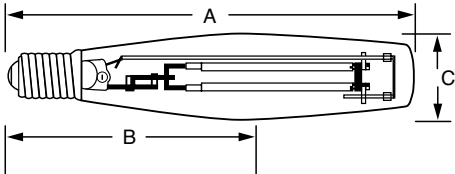
<b>LU</b>	<b>150</b>	<b>/</b>	<b>55</b>	<b>/</b>	<b>SBY</b>
LUMALUX High Pressure Sodium	Wattage: 100, 150, 200, 250, 400 or 1000 watts		Voltage: 55 or 100 volts		STANDBY

Lamp Dimensions

Lamp Shape	(A) MOL	(B) LCL	(C) Bulb Diameter
ED23.5	7.75"	5.00"	2.94"
T14.5	9.76"	5.75"	1.83"
ET25	15.08"	8.74"	3.10"



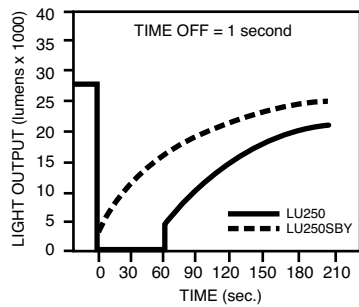
ED23.5



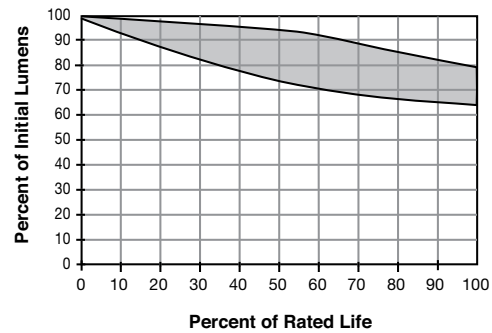
T14.5, ET25

## Technical Information

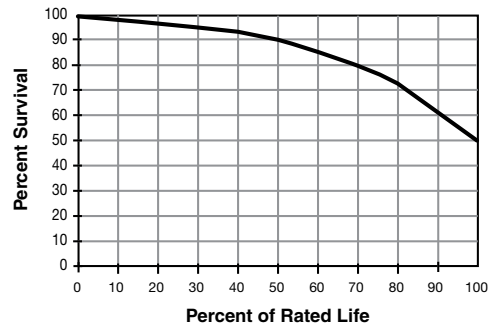
Lumen Output vs. Time



Typical Lumen Maintenance Curve



Typical Survival Curve



## Sample Specification

Lamp(s) shall be (a) LUMALUX® STANDBY lamp(s) and shall be constructed with two arc tubes to ensure quick restarting following a momentary power interruption.

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