

Sylvania SBY Extra

When you can't afford a failure.

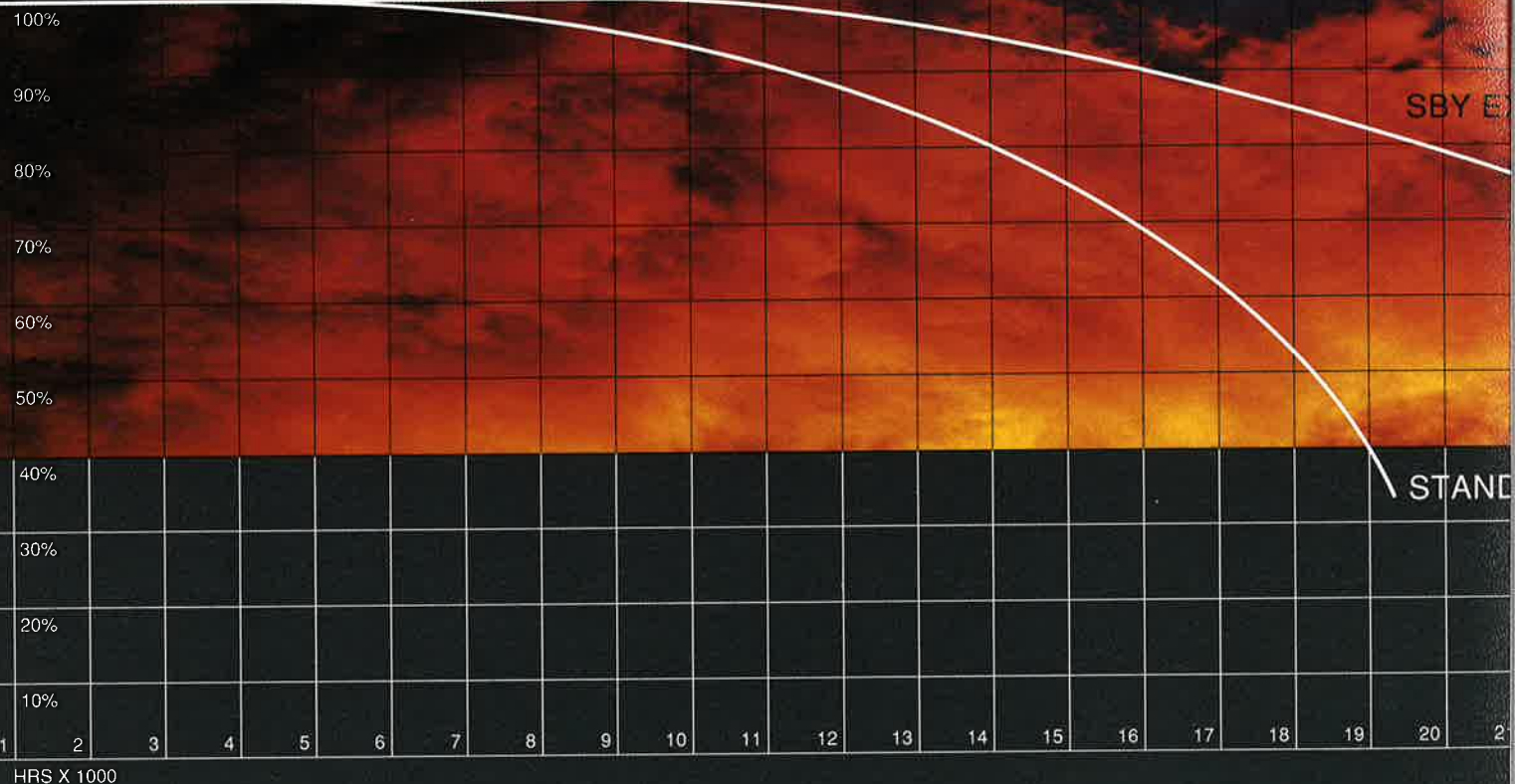


SYLVANIA

GTE

We call it "Extra" because it gives you

SURVIVORS



Less maintenance
Less accidents
Less crime in the streets
Less loss of light
Less problems

SBY EXTRA from Sylvania is the first high pressure sodium lamp you can fit and forget about.

SBY EXTRA from Sylvania offers a remarkable 28,000 hours average life, at least 60% longer than standard SHP.

Benefit 1: Maintenance costs and spot changes are dramatically reduced. It also has a guaranteed survival rate of an astonishing 95% after 12,000 hours of burning.

Not only is SBY EXTRA longer-lasting. It is *unique* in another vitally important way. Unlike other high pressure sodium lamps which take 60 seconds to restrike after an interruption of power, SBY EXTRA ignites immediately. Why?

you so much less...

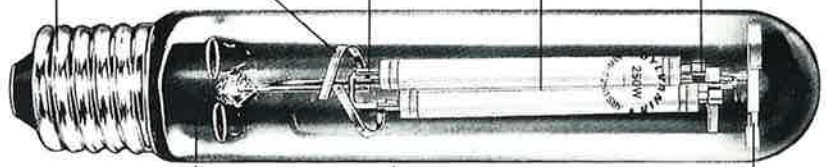
Nickel plated cap to ensure easy removal even after years of use.

Dual arc tube sliding support to allow expansion of the arc tubes.

Monolithic seal and longlife electrodes – the key to excellent through – life performance.

Twin arc tubes made from translucent ceramic with precise Xenon gasfill and Mercury/Sodium Amalgam

Tough nickel steel arc tube support.



Getter ring to ensure a clean hard vacuum.

Lamp envelope in weather-resistant hard glass.

Rigid top support system to absorb shock and vibration.

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SBY EXTRA

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Because inside each SBY EXTRA there is not **one** arc tube – there are **two** identical tubes. When one is alight, it simultaneously prewarms the other to instant readiness.

So in the event of a momentary power failure, the second tube is ready to light immediately power returns.

Benefits 2 and 3: Areas crucial to safety and security need never be left in the dark again.

Because, uniquely, two arc tubes share the work load, the lumen maintenance of each tube is greatly enhanced.

Benefit 4: After 3 years of operation, SBY EXTRA provides approximately 10% more light than a standard sodium lamp of the same age.

Because SBY EXTRA operates on exactly the

same type of control gear and has exactly the same lighting output, it can be readily used in an existing high-pressure sodium installation and there is no need to redesign your lighting scheme. Available with elliptical or tubular envelope, clear or coated.

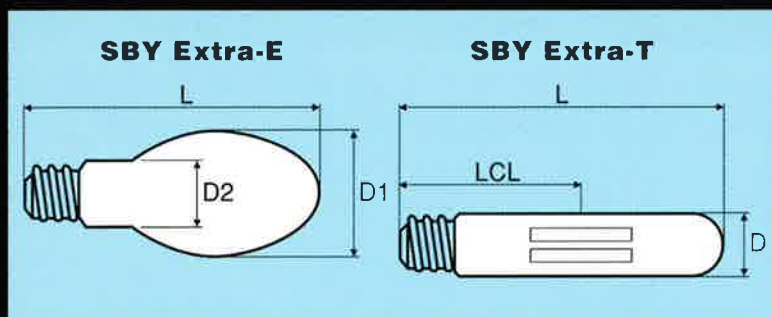
Benefit 5: Whichever way you look at SBY EXTRA, you can clearly see less problems... and big savings.

SBY EXTRA has a guaranteed 95% survival rate after 12,000 hours burning. This compares with only 80% for standard SHP lamps. So, on a planned 3 year relamping cycle, spot changes become virtually a thing of the past.

Anyway, even if you were once happy with the 20% failure rate of standard SHP lamps, won't you be even happier with the 28,000-hour life of SBY EXTRA?

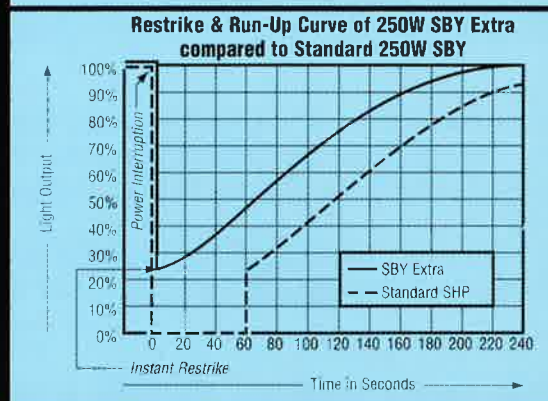
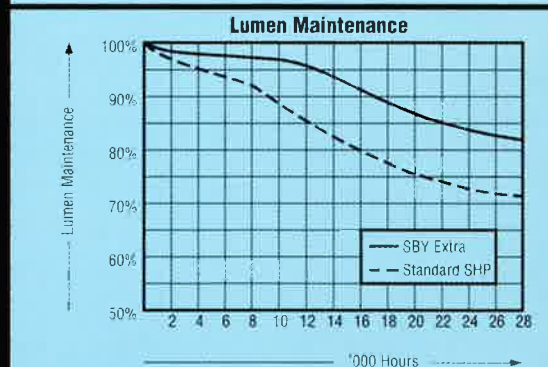
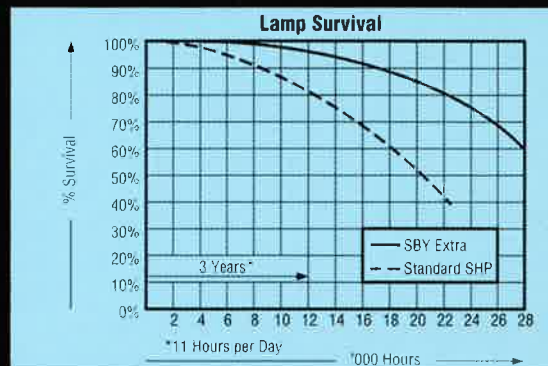
SBY Extra

Mechanical Data and Illumination Characteristics.



- Unique double arc tube provides immediate restrike safety feature.
- Operates on standard high pressure sodium control gear.
- High lumen output with excellent lumen maintenance, universal operating position.
- Guaranteed 95% survival after 12,000 hours operating
- Average rated life of 28,000 hours

| Dimensions/Ordering Data | | 70W | 100W | 150W | 250W | 400W |
|-------------------------------|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SBY Extra-E | | | | | | |
| Lamp Length, max. L | mm | 165 | 186 | 227 | 227 | 292 |
| Lamp Diameter, max. D1 | mm | 72 | 76 | 91 | 91 | 122 |
| Collar Diameter, max. D2 | mm | 40 | 42.5 | 53 | 53 | 58 |
| Order Code | | 20700 | 20696 | 20654 | 20653 | 20652 |
| SBY Extra-T | | | | | | |
| Lamp Length, max. L | mm | 156 | 211 | 211 | 260 | 292 |
| Lamp Diameter, max. D | mm | 39 | 48 | 48 | 48 | 48 |
| Light Center Length, max. LCL | mm | 102 | 132 | 132 | 158 | 175 |
| Order Code | | 20695 | 20699 | 20670 | 20559 | 20596 |
| Electrical Data | | | | | | |
| Lamp Wattage | W | 70 | 100 | 150 | 250 | 400 |
| Lamp Voltage | V | 90 | 100 | 100 | 100 | 100 |
| Lamp Current | A | 1.0 | 1.2 | 1.8 | 3.0 | 4.6 |
| Wattage with Ballast | appr. W | 80 | 110 | 170 | 280 | 435 |
| Compensation Capacitor | µF | 10 | 12 | 20 | 40 | 45 |
| Operating Mode | | | | | | |
| Bulb Shape/Finish | tubular clear and ellipsoidal coated | | | | | |
| Burning Position | any | | | | | |
| Base Type | E27 | E40/45 | E40/45 | E40/45 | E40/45 | E40/45 |
| | Operation with ignitor | Operation with ignitor | Operation with ignitor | Operation with ignitor | Operation with ignitor | Operation with ignitor |
| Photometric Data | | | | | | |
| Initial Lumens | -clear lm | 6,000 | 9,000 | 14,500 | 28,000 | 48,000 |
| | -coated lm | 5,800 | 8,500 | 14,000 | 26,000 | 47,000 |
| Luminous Efficacy | -clear lm/W | 86 | 90 | 97 | 112 | 120 |
| | -coated lm/W | 83 | 85 | 93 | 104 | 118 |
| Warm-up Time | COLD | Min. | 7 | 7 | 7 | 8 |
| | HOT | Min. | 2 | 2 | 2 | 2 |



Sylvania reserves the right to change data and specifications without notice. Data for guidance only.