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Let’s leave a greener footprint.
Sustainability — meeting our needs today without compromising the resources future generations will need — touches everything we do as a company. It’s all about reducing environmental impact, a commitment that goes beyond our products to include how the products are manufactured, how they are used and how they are distributed and disposed. It even extends to the design of “greener” buildings.

**Sustainability is everybody’s business.**

When we can do more with less, everyone wins. Businesses need to find ways to grow without adding to our environmental footprint — and the good news is, we’re making steady progress. Advanced technologies are helping us to be more efficient. We’re using less energy and fewer resources, and generating less waste.

At a personal, corporate or national level, lighting plays an important role in any sustainability strategy. Whether you’re interested in lowering your energy consumption, avoiding unnecessary maintenance, identifying options for lamp and ballast recycling, or finding products with fewer hazardous materials, OSRAM SYLVANIA can help.

Global Care:

Global Care represents our commitment to corporate responsibility. This initiative is designed to drive positive results to the triple bottom line addressing social, economic and environmental needs. Furthermore, we are dedicated to meeting our customers’ lighting needs with a sustainable approach to product design, development, manufacturing and distribution.

We integrate environmental responsibility into every area of our company. As a result, we are using fewer natural resources, saving energy for our customers, reducing power plant emissions, and recycling lamps and other materials to avoid millions of pounds of waste in landfills.
According to the U.S. Department of Energy, we consume about one-quarter of our electricity for lighting, at a cost of more than $37 billion annually. Lighting accounts for the single largest portion of electric bills for commercial users, as much as 30% — and it can be a prime opportunity for reducing energy costs.

Advances in lighting technology have improved the energy efficiency of lighting by 30-60%, improvements that reduce environmental impacts while increasing the bottom line. Energy-efficient lighting requires less energy, which lowers electricity demand. With less demand, power plants burn less fossil fuel, reducing emissions of mercury and other air pollutants. So everybody profits.

Energy-efficient systems

An important direction in lighting technology is the move toward systems. OSRAM SYLVANIA started the trend with THE SYSTEM SOLUTION®, a family of optimally balanced energy-saving lamps and electronic ballast combinations. By bringing lamp and ballast development under an integrated system concept, we have been able to design innovative SYLVANIA lighting systems that optimize energy savings without sacrificing other elements of performance.

OSRAM SYLVANIA has the competitive advantage, with years of experience in designing, developing and supporting integrated systems — both in ballasts and lamps. Our global network of design and manufacturing brings ballast and lamp knowledge together to produce innovative, cost-effective, energy saving systems.

Saving energy, saving money

Energy costs represent your biggest and best opportunity for savings. Even seemingly minor energy efficiency improvements can have a major positive impact on operating expenses — long-term savings that can quickly repay the minimal capital investment.
For example, here are some things you can do right now:

- Upgrade to SYLVANIA Energy Saving lighting products to significantly reduce total energy usage and operating costs.
- Replace traditional T12 fluorescent systems with SYLVANIA OCTRON® T8 fluorescent lamps and SYLVANIA QUICK-TRONIC® electronic ballasts for up to 50% energy savings.* You’ll also get the added assurance of QUICK 60+®, the industry’s first and most comprehensive lighting system warranty.
- Implement a lighting maintenance and retrofit strategy to maintain safety, security, aesthetics and productivity, as well as to reduce labor costs. Our own SYLVANIA Lighting Services can help.
- Install dimmers and lighting control systems to save additional energy and add lighting design flexibility.

OCTRON T8 fluorescent lamps—savings the world can live with

In 1981, OSRAM SYLVANIA invented the OCTRON T8 fluorescent lamp, ushering in a new era of energy efficiency in lighting. Since we introduced the SYLVANIA OCTRON family, we’ve saved our customers more than $27 billion in electricity costs*. We’ve avoided 4 tons of airborne mercury discharged from power plants**, and saved enough electricity to run the Las Vegas Strip for 156 years!

Rebates and tax benefits

As a way to reduce overall electricity demand, many utilities offer rebates to commercial customers who upgrade the efficiency of their lighting systems. Check with your local utility or ESCO to learn more about these additional savings opportunities. In addition, the Federal Energy Policy Act of 2005 (EPAct 2005) offers tax benefits for energy-efficiency upgrades in commercial buildings undertaken in 2006 and 2007. *(For more information, please visit www.sylvania.com/EPACT)*

The Cost of Light

Where does the cost of the average lighting system come from?

- Materials — the initial investment in fixtures, lamps, wires and ballasts
- Labor — the cost to install the lighting and maintain it day-to-day
- Electricity — the energy consumed to illuminate the lamps
- Recycling — removing and disposing of spent lamps in a way that does not negatively impact the environment

As Figure 1 shows, the material cost of a lighting system: bulbs, ballasts and wiring, is small in relation to the cost of the energy to light it.

The SYLVANIA Energy Saver Certification program is part of our commitment to develop and promote high quality, energy-efficient products. Participants receive recognition for using efficient SYLVANIA lamps or systems to conserve energy and reduce energy costs.
Upgrade to SYLVANIA Energy Saving lighting products to **significantly reduce** total energy usage and operating costs.

*Individual results may vary*

<table>
<thead>
<tr>
<th>Lighting Type</th>
<th>Potential Energy Savings*</th>
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</thead>
<tbody>
<tr>
<td><strong>High Intensity Discharge (HID) Opportunities</strong></td>
<td></td>
</tr>
<tr>
<td>Upgrade from a magnetic HID ballast to a QUICKTRONIC® electronic HID ballast</td>
<td>Up to 15%</td>
</tr>
<tr>
<td>Use METALARC® pulse start or METALARC Ceramic lamps instead of probe start lamps</td>
<td>Up to 36%</td>
</tr>
<tr>
<td><strong>Incandescent and Halogen Opportunities</strong></td>
<td></td>
</tr>
<tr>
<td>Convert all standard incandescent lamps to CAPSYLITE® Halogen or DULUX® EL Compact Fluorescent Lamps (CFLs)</td>
<td>Up to 75%</td>
</tr>
<tr>
<td>Change to a fixture using pin-based DULUX compact fluorescent systems such as DULUX T/E 26W with a QUICKTRONIC CF universal ballast</td>
<td>Up to 75%</td>
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<tr>
<td>Substitute with METALARC POWERBALL® for track or recessed-can applications operating on QUICKTRONIC HID electronic ballasts for optimal HID performance</td>
<td>Up to 75%</td>
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<thead>
<tr>
<th>Lighting Type</th>
<th>Potential Energy Savings*</th>
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</thead>
<tbody>
<tr>
<td><strong>Fluorescent Opportunities</strong></td>
<td></td>
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<tr>
<td>Retrofit magnetically ballasted T12 fixtures with QUICKTRONIC electronic ballasts and OCTRON® T8 lamps</td>
<td>Up to 30-45%</td>
</tr>
<tr>
<td>Upgrade from electronically ballasted OCTRON 700 series T8s to electronically ballasted OCTRON F030, F028 or F025 SUPERSAVER® T8s</td>
<td>Up to 12%</td>
</tr>
<tr>
<td>Upgrade from standard IS electronic ballasts to QUICKTRONIC QHE (High Efficiency) IS electronic ballasts</td>
<td>Up to 6%</td>
</tr>
<tr>
<td>Where feasible, higher BF (e.g., 1.2 BF) electronic ballasts with high lumen lamps (e.g., OCTRON F032W XP) can reduce number of lamps needed</td>
<td>E.g., use 2 vs. 3 T8 lamps for 10% energy savings</td>
</tr>
<tr>
<td>Substitute with PENTRON® T5 HO or OCTRON T8 for hi-bay installations, taking advantage of electronic ballasts with lamp switching capability and suitable occupancy sensors</td>
<td>Varies</td>
</tr>
<tr>
<td>Use DULUX L 28 Watt SUPERSAVER lamps operating on QUICKTRONIC DL40 lamps to replace standard FT40DL lamps operating on IS ballasts</td>
<td>Up to 14%</td>
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</tbody>
</table>
Lower maintenance, **lower environmental impact.**

Combining energy-efficient lamps with efficient electronic ballasts not only reduces the amount of overall energy consumed, but can also reduce the number of lamps needed for a particular application. Reducing the number of lamps in use and extending the amount of time between replacements, by using longer-lasting lamps, reduces the number of lamps in the waste stream. It also reduces the demand for raw materials and significantly lowers maintenance and recycling costs.

Using SYLVANIA Long Life products results in less frequent lamp replacements, and additional savings in maintenance will yield considerable reductions in operating costs.

The Advanced Illumination Technology of SYLVANIA DURA-ONE™ electrodeless compact fluorescent lamps raises the standard of lighting performance to new heights. The DURA-ONE lamp has a rated life of 15,000 hours or 13 years*. Longer life means fewer lamp replacements and lower maintenance costs, making them perfect for applications where re-lamping is difficult.

The SYLVANIA OCTRON® 800 XP® ECOLOGIC® fluorescent lamps provide 20% longer life, higher initial and maintained lumens, improved color rendition and longer relamp periods compared to conventional T8 lamps. Because of their longer life, OSRAM SYLVANIA offers an extended system warranty with the use of OCTRON 800 XP ECOLOGIC lamps on our QUICKTRONIC® electronic ballasts.

LED systems are quickly becoming the light source of choice for signage applications due to their ruggedness, reliability, long life, energy efficiency and low maintenance requirements. They offer unique capabilities for architectural enhancements and decorative lighting due to their small sizes and system flexibility. OSRAM SYLVANIA has the competitive advantage in the arena of LED systems with years of experience in designing and developing LED systems, covered by our comprehensive warranty.

* Lamp life is based on usage 3 hours per day, 7 days per week.
“Green building” incorporates environmentally responsible practices into the design of new construction and renovation of commercial and residential structures. Among them:

- Improving energy performance
- Reducing waste by increased recycling
- Reducing energy and water consumption
- Increasing the use of local and/or recycled materials
- Promoting “smart growth” strategies
- Improving economic performance of these buildings
- Improving indoor air quality

Today’s ecologically conscious building and design movement recognizes that lighting can play a leading role in reducing energy use, improving work conditions, and reducing environmental impacts. The numbers speak for themselves: In the United States, buildings account for 65% of the total electricity consumption and 30% of the associated greenhouse gas emissions from power plants.

The cornerstone of any green building initiative is to increase energy efficiency in order to reduce energy consumption and cost. SYLVANIA’s innovative energy-efficient and long-life products and systems help maximize the energy performance of the lighting within a building. To achieve the sustainability goals of green building, a number of whole building rating systems have evolved to guide designers, architects and builders who incorporate green building strategies. These include: ENERGY STAR® for buildings, Green Globes® and Leadership in Energy and Environmental Design (LEED®).

A building can receive recognition under more than one rating system. SYLVANIA lighting system solutions can help you achieve and exceed many of the criteria in each of these rating systems, including energy efficiency, controllability of systems, and low mercury content.

U.S. Green Building Council and LEED

The mission of the U.S. Green Building Council (USGBC) is to “promote buildings that are environmentally responsible, profitable and healthy places to live and work.” Founded in 1993 as a non-profit coalition representing the entire building industry, it has grown to include nearly 6,000 members, including architects, engineers, interior designers, product manufacturers like OSRAM SYLVANIA, contractors, utilities, government agencies, and professional societies.

One of the major initiatives of the USGBC is its Leadership in Energy and Environmental Design (LEED) program, which was created to define “green buildings” by establishing a common standard of measurement, promoting integrated, whole-building design practices.

LEED is emerging as a dominant standard in the green building market, and covers new construction as well as renovations and commercial interiors. Points are awarded towards building certification for implementing sustainable strategies. If you are considering LEED certification for your building, please refer to OSRAM SYLVANIA’s “Lighting in LEED” fact sheets, available on our website at www.sylvania.com/AboutUs/EnergyandEnvironment.

In addition to points for increased energy performance, there are other categories of green design in which lighting plays a part, and for which SYLVANIA offers unique solutions, including lighting controls and mercury reduction.
Today’s *ecologically-conscious* building and design movement recognizes that lighting can play a *leading role in reducing energy use*, improving work conditions, and reducing environmental impact.

**Controllability**
To maximize energy savings, increase energy performance, and help contractors achieve the “Controllability of Lighting” point in LEED®, SYLVANIA offers a selection of ballasts that provide excellent compatibility with lighting systems control, as well as superior reliability in a system design. These include QUICKTRONIC® PROStart® ballasts, POWERSENSE® T8 Dimming ballasts, and DALI ballasts that are compatible with occupancy sensors. For even higher levels of control and comfort, the QUICKTRONIC POWERSENSE T8 Dimming and DALI dimming ballasts can be integrated with daylight harvesting and building management systems.

**Reduced mercury**
The LEED rating system for existing buildings (LEED-EB) contains a mandatory prerequisite that all mercury-containing lamps (linear fluorescent, compact fluorescent, and HID) must achieve a total maximum mercury level of 100 picograms per lumen hour, calculated on a weighted average based on lumen output, lamp life and mercury content.

*It is important to remember that only buildings can be LEED-qualified, not individual products. This calculation requires input of ALL mercury-containing lamps and is not designed as a lamp-by-lamp comparison. Each individual lamp does not have to meet the 100 picogram per lumen hour level; rather, the total level of all lamp types and quantities must achieve that measurement.*

Within our TCLP-passing ECOLOGIC® line, SYLVANIA offers a wide range of low-mercury, long-life, high-performance lamps — including the industry’s only mercury-free, high-pressure sodium lamp.

**Convenient Online LEED-EB Calculator**
To help project managers with their calculations for the LEED application, we have posted an online calculator for Materials and Resources/MR Prerequisite #2, “Toxic Material Source Reduction-Reduced Mercury in Light Bulbs.” This simple tool allows you to input NAED codes and quantities of all lamps in a project and determine whether your project meets the prerequisite and/or achieves the additional point for MR Credit #6. This tool is available in the Energy and Environment section within www.sylvania.com and www.mysylvania.com.
Why can’t we eliminate mercury altogether?

The lighting industry has long used mercury in the production of energy-efficient lighting products. All fluorescent lamps and almost all HID lamps require a small amount of mercury to generate light efficiently. The mercury is essential to achieving the lamps’ higher level of operating efficiency.

Fluorescent lamps begin life with pure mercury. As the lamp operates and ages, the pure mercury is “consumed” and combines with the glass, the phosphor, the deposits on the bulb wall around the filament, and with any other impurities in the lamp. Some of the remaining mercury becomes mercuric oxide, which can be released if the lamp is broken. Mercuric oxide can bioaccumulate in fish under the proper conditions, posing a potential health concern.

If mercury dosing of fluorescent lamps is too low, lamp life, number of starts, color, and light output can be dramatically affected. Lamps may consume all the pure mercury before reaching rated life, requiring additional lamp replacements—and actually increasing total mercury usage. In metal halide lamps, mercury is used as a starting aid and to set lamp operating voltage; high-pressure sodium lamps use mercury as a buffer gas to help set lamp operating voltage. If mercury dosing is too low in metal halide and mercury vapor lamps, light output can be dramatically affected.

Light sources that do not use mercury, such as incandescent and halogen lamps, produce 70%-80% less light per watt input. There is no known substitute for mercury in energy-efficient light sources, and by using lamps that contain tiny amounts of mercury we can greatly reduce the need for power generation, thereby reducing emissions from power plants—including mercury emissions—by at least 4 times!

So focusing solely on the mercury within a lamp obscures the bigger picture. By analyzing total mercury contribution associated with energy-efficient lamps—which requires taking into account lamp life and number of lamp replacements as well as performance factors—we can clearly see the significant net gain from energy-efficient lighting.
OSRAM SYLVANIA has been steadily and proactively working to reduce the use of both lead and mercury in our products and in our manufacturing operations. Specifically:

- We pioneered the use of lead-free solders and welded lamp bases
- Beginning in 1992, we eliminated lead solder in the majority of SYLVANIA general purpose incandescent A-19, B-10, BR30, BR40, and globe-shaped lamp products, and most of our halogen lamp types are lead-free
- We are using lead-free glass in our HID light sources and fluorescent tubes
- We use only recycled mercury in our fluorescent and HID lamps
- We offer the only lead-free, mercury-free high-pressure sodium lamp on the market

Since 1990, OSRAM SYLVANIA has reduced mercury content by over 92% in many of our fluorescent lamps; we’re continuing to find ways to further lower the mercury content in these lamps. And beginning in 2005, we began manufacturing our PENTRON® four-foot T5 products using 40% less mercury. We have also redesigned the manufacturing process for our OCTRON® T8 800 series to reduce their mercury content by 50%, while extending lamp life and maintaining and enhancing quality and performance.

With more than 800 products meeting our strict ECOLOGIC® guidelines and bearing the distinct “ECO®” designation, we offer more environmentally preferable lamp types than any other manufacturer.

www.mysylvania.com

Reduce heavy metals.

Both lead and mercury are heavy metals that can bioaccumulate and have an adverse effect on human health. However, lead is widely used in many lighting manufacturing processes. And, as we saw in the previous section, mercury is required for the efficient operation of products such as fluorescent lamps and most HID lamps.
In 10 years, we’ve avoided the use of over 580 tons of lead from our soldering production, and we’ve reduced the amount of mercury used in many of our lamps by up to 92%.

**Environmentally preferable ECOLOGIC® products**

Our lamps designated as ECOLOGIC pass the U.S. EPA’s Toxic Characteristic Leaching Procedure (TCLP) test for hazardous waste determination. Products meeting the TCLP test may be declared “universal waste” in many states, easing the administrative, storage and transportation burdens for these products. (Check your state and local governments for the most accurate regulations.)

ECOLOGIC lamps have little or no lead in their glass or bases, and little or no mercury in the HID and fluorescent lamp types. Many of these products also offer additional “green” features such as energy efficiency and long life, and are packaged using recycled and/or recyclable materials. With more than 800 products meeting our strict ECOLOGIC guidelines and bearing the distinct “ECO®” designation, we offer more environmentally preferable lamp types than any other manufacturer.

ECOLOGIC lamps are identified by the “ECO” icon in our product catalog, online, and on our packaging.

In 2006, the ECOLOGIC program celebrates its 10-year anniversary. In those 10 years, we’ve avoided the use of over 580 tons of lead from our soldering production, and we’ve reduced the amount of mercury used in many of our lamps by up to 92%.

SYLVANIA 25 Watt OCTRON® FO25 XP® SUPERSAVER® ECOLOGIC fluorescent lamps operate on standard T8 instant start systems and provide 22.5% energy savings over standard 32 Watt OCTRON lamps. At $.10/kWh and 4000 hours of operation per year, the 22.5% savings translates to a savings of approximately $11.00 per fixture per year for a 4-lamp fixture with a normal ballast factor, instant start ballast. The 94% lumen maintenance of the OCTRON FO25/800XP/SS/ECO lamp assures that light levels are maintained while energy is saved. These lamps pass the Federal TCLP test, classifying them as non-hazardous waste in most states. Group relamp to realize the benefits of these OCTRON lamps in your facility.

SYLVANIA PENTRON® ECOLOGIC® and PENTRON HO ECOLOGIC — A new product line of slender, 5/8” diameter, T5 linear fluorescent lamps with improved system performance characteristics compared to T8 & T12 technology. Engineered with thermal characteristics which provide improved lumen output in luminaires. PENTRON ECO brings increased design opportunities for unique, highly efficient, low profile lighting.

SYLVANIA’s ECOLOGIC Certification program encourages businesses to use environmentally preferable materials in their facilities. Recognition is given for demonstrating a commitment to the environment by installing ECOLOGIC products.
Fluorescent and HID lamps contain small amounts of mercury, and electronic ballasts are made with small amounts of lead. So what is the best way to dispose of these products without harming the environment? Recycling!

Mercury does not get into the air directly from an operating lamp. It may bind with the glass or the phosphors or other coatings, but it stays in the lamp. Even when lamps are manufactured, mercury is contained by manufacturing processes or captured by filters. That leaves only one opportunity for direct mercury release from lamps into the air—breakage at the end of the lamp’s life.

This occurs when lamps are thrown into dumpsters or garbage trucks, typically prior to disposal. Because the amount of mercury content in an individual lamp is so low, breaking a small number of lamps does not present a health threat to workers. The improper disposal of large numbers of lamps, however, as well as the incineration of hazardous wastes can also release mercury into the atmosphere.

Lamp and mercury recycling has become a mature, professional industry in the United States. The number of lamps recycled annually has risen from 70 million in 1997 to 156 million in 2003. SYLVANIA has made lamp and ballast recycling even easier for our customers. Here’s how.

Visit www.sylvania.com/recycle and purchase pre-labeled and pre-paid return ship lamp recycling boxes. Simply fill the boxes with your unbroken, spent lamps and ship them directly to Veolia Environmental Services, our recycling partner. Similar services are available for ballast recycling.

Our own SYLVANIA Lighting Services (SLS) includes recycling as part of their maintenance and service contracts, making it easy for customers to dispose of lamps responsibly. SLS sends 8.5 million lamps to recycling facilities annually, avoiding 112 pounds of mercury from landfills.

Over the life cycle of a fluorescent lamp, the cost to recycle today is less than 1% of the cost of ownership. Environmentally responsible companies and consumers who put lamp recycling in their budgets can maintain energy efficient lighting, and still stay on the path to sustainability.

Recycling and the Universal Waste Rule.

In 1999, the U.S. Environmental Protection Agency declared fluorescent lamps “universal waste,” easing the regulatory burdens of storage, administration, and transportation. However, many states and local municipalities have adopted more stringent guidelines, so it’s best to check local regulations.
ECOLOGIC® Products — Environmentally Preferable Lighting Solutions

OCTRON® ECOLOGIC®

T8 Fluorescent Lamps

SYLVANIA OCTRON ECO® lamps are energy saving, longer life alternatives to standard T12 fluorescent lamps.

ECOLOGIC Benefits:
- TCLP-passing
- Low mercury – 800 series has lowest mercury content of all OCTRON lamps
- Energy efficient
- Long life

Additional Benefits:
- 700 Series with 75 CRI, 800 Series with 82 CRI, 800XP and 800XPS Series with 85 CRI
- Multiple lengths – 2-foot, 3-foot, 4-foot, 5-foot and 8-foot
- OCTRON ECO XP® SUPERSAVER® lamps operate on standard T8 instant start systems and provide significant energy savings over standard OCTRON lamps while maintaining lumen maintenance
- OCTRON EXtended Performance lamps provide 20% longer life with higher initial and mean lumens and higher CRI
- OCTRON EXtended Performance Super ECOLOGIC lamps and dedicated ballast
- Pair with QUICKTRONIC® High Efficiency (QHE) ballasts to save an additional 6-7% in energy
- QUICKTRONIC programmed start electronic ballasts form a lighting system that provides up to 22% energy savings and comparable light output with twice the lamp life of standard instant start T8 systems
- QUICKTRONIC dimming ballasts available with range of 5% to 100% light output
- Multitude of possible OCTRON lamp and QUICKTRONIC ballast system combinations allow specification of the best system solution for the application

FO 28 8 35 XPS SS ECO
Fluorescent Wattage CRI = 85 Color Temperature XP = EXTended Performance SUPERSAVER ECOLOGIC
OCTRON 28 watts 30 = 3000K
28 watts 35 = 3500K
41 = 4100K
35 = 4100K
ECOLOGIC is our most comprehensive line of environmentally preferable lighting products

OCTRON® CURVALUME® ECOLOGIC®

T8 Fluorescent Lamps

When paired with QUICKTRONIC® high frequency electronic ballasts, SYLVANIA OCTRON FBO32 CURVALUME ECO® lamps with 6" and 1 5/8" leg spacing, provide an energy-efficient system for 2 x 2 luminaires.

ECOLOGIC Benefits:
- TCLP-passing
- Low mercury
- Energy efficient
- Long life

Additional benefits:
- High CRI and lumen output
- Additional energy savings
- OCTRON 800XP EXTended Performance CURVALUME ECO
- OCTRON XP SUPERSAVER 30W CURVALUME ECO
- OCTRON 800XPS EXTended Performance Super CURVALUME ECO
- Pair with QUICKTRONIC High Efficiency (QHE) ballasts to save an additional 6-7% in energy
- QUICKTRONIC programmed start electronic ballasts form a lighting system that provides up to 22% energy savings and comparable light output with twice the lamp life of standard instant start T8 systems
- Multitude of possible OCTRON lamp and QUICKTRONIC ballast system combinations allow specification of the best system solution for the application

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<tr>
<td>FBO</td>
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<tr>
<td>Fluorescent Wattage</td>
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<td>Bent 30 Watts</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>FBO</td>
</tr>
<tr>
<td>Fluorescent Wattage</td>
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<tr>
<td>Bent 29 Watts</td>
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<td>OCTRON</td>
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</table>
PENTRON® ECOLOGIC® &
PENTRON HO ECOLOGIC

T5 Fluorescent Lamps

SYLVANIA PENTRON ECO and PENTRON HO ECO® are slender, 5/8” diameter linear fluorescent lamps with improved system performance characteristics compared to T8 & T12 technology.

ECOLOGIC Benefits:
- TCLP-passing
- Long life
- Energy efficient

Additional Benefits:
- High efficacy
- Designed for high frequency electronic ballasts
- Multiple lengths – 2-foot, 3-foot, 4-foot and 5-foot
- Approximately 2” shorter than T8 & T12 lengths – Lamp installation and removal easier due to shorter lengths
- Greater luminaire design flexibility
- Allows use of fewer lamps per luminaire – One T5 HO lamp can replace two T8 lamps
- QUICKTRONIC® dimming ballasts available with range of 1% to 100% light output
- QUICKTRONIC High Ambient Temperature ballasts available – 90°C maximum case temperature
- Lamps used worldwide

PENTRON FP28/335/ECO
Fluorescent Wattage: CRI = 85 Color Temperature
PENTRON T5 14, 21, 28 or 35 watts
T5 = 28 = 3000K, 35 = 3500K, 41 = 4100K, 50 = 5000K, 65 = 6500K

PENTRON HO FP54/841/HO/ECO
Fluorescent Wattage: CRI = 85 Color Temperature High Output
PENTRON T5 24, 39, 54 or 80 watts
T5 = 80 = 3000K, 35 = 3500K, 41 = 4100K, 50 = 5000K, 65 = 6500K

T12 ECOLOGIC &
T12 SLIMLINE ECOLOGIC

TCLP-passing T12 Fluorescent Lamps

SYLVANIA T12 DESIGNER 700 and 800 series lamps utilize rare earth phosphors which provide higher initial lumens, better lumen maintenance and improved CRI over standard T12 lamps.

ECOLOGIC Benefits:
- TCLP-passing
- Low mercury
- Energy-efficient SUPERSAVER® lamps available

F 96 T12 D835 SS ECO
Fluorescent 96 = 96” lamp T = tubular
12 = 12 eighths of an inch diameter D = Designer Series
8 = 80 CRI
30 = 3000K
35 = 3500K
41 = 4100K
CW = Cool White
WW = Warm White
SS = SUPERSAVER
60 Watts
ECOLOGIC
ECOLOGIC® Benefits:
• TCLP-passing
• Low mercury
• Energy-efficient

Additional Benefits:
• Available with Cool White (CW) and Warm White (WW) phosphors

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<tr>
<th>FB</th>
<th>34</th>
<th>CW</th>
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<tr>
<td>Bent</td>
<td>34 Watts</td>
<td>CW = Cool White</td>
<td>6 inch leg spacing</td>
<td>SS = SUPERSAVER</td>
<td>ECOLOGIC</td>
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</table>

DULUX® S, D, D/E, T, T/E, T/E/IN & L
Pin-based Compact Fluorescent Lamps
SYLVANIA DULUX lamps provide even light distribution and are long-life, energy-saving alternatives for incandescent lamps. Use of high efficiency, long life compact fluorescent lamps will reduce power consumption up to 75%; dramatically reduce re-lamping requirements and associated costs, while providing comparable light levels to standard incandescent light sources.

ECOLOGIC Benefits:
• TCLP-passing
• Long life
• Low mercury and lead
• Energy-efficient

Additional Benefits:
• Improved high temperature performance (DULUX T/E/IN)
• Fast warm-up time
• Flicker-free start
• End-of-life (EOL) shutdown protection (DULUX T/E/IN/EOL and D/E/EOL)
• Compatible with dimming and electronic ballasts (DULUX L, T/E, T/E/IN, & D/E)

<table>
<thead>
<tr>
<th>CF</th>
<th>26</th>
<th>DT</th>
<th>E</th>
<th>IN</th>
<th>8</th>
<th>35</th>
<th>EOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact Fluorescent</td>
<td>26 watts</td>
<td>DULUX DD = Double</td>
<td>DULUX for electronic and dimming amalgam</td>
<td>CRI</td>
<td>Color Temp.</td>
<td>End of Life</td>
<td></td>
</tr>
</tbody>
</table>
LUMALUX® ECOLOGIC®
High Pressure Sodium Lamps

SYLVANIA standard LUMALUX lamps have always been known for high efficacy, long life, and reliability. In addition to these attributes, LUMALUX/ECO® lamps have sufficiently low mercury and lead content to pass the Federal TCLP test. These TCLP-passing ECOLOGIC lamps include some of the most popular LUMALUX HPS lamps available.

LUMALUX HgF ECO lamps feature innovative technology that eliminates both mercury and lead content in the lamp. Using an exclusive ceramic arc tube, a reformulated mercury-free fill, and a lead-free welded base, these lamps operate on standard HPS ballasts with comparable performance to standard HPS lamps.

LUMALUX PLUS® ECO lamps feature pioneering technology to eliminate the end-of-life cycling of HPS lamps. Lamps remain off at end-of-life.

ECOLOGIC Benefits:
- TCLP-passing
- Lead-free glass jacket
- Welded, lead-free base
- Low mercury content
- Mercury-free arc tube (LUMALUX HgF/ECO)
- Up to 90% less mercury than standard HPS lamps (LUMALUX PLUS)
- “ECOLOGIC” stamped on the base making identification easier at end-of-life

Additional Benefits:
- High efficacy: up to 125 LPW
- Equivalent performance to standard HPS
- Universal operating position
- Lamps use welded bases that have a maximum base temperature of 250°C, 40°C higher than ANSI specification for soldered bases
- LUMALUX PLUS/ECO lamps also have:
  - Long rated lamp life of 30,000 hours that reduces maintenance costs
  - 80% lamp survival at 24,000 hours
  - 65% lamp survival at 30,000 hours
  - Positive end-of-life indicator means quicker identification of outages and fewer repeat trips

<table>
<thead>
<tr>
<th>LU</th>
<th>70</th>
<th>HgF</th>
<th>Plus</th>
<th>ECO</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUMALUX High Pressure Sodium</td>
<td>Wattage</td>
<td>Mercury Free</td>
<td>Non-cycling</td>
<td>ECOLOGIC</td>
</tr>
</tbody>
</table>
METALARC® POWERBALL® CERAMIC & METALARC PRO-TECH® ECOLOGIC® PAR

Metal Halide PAR Lamps

METALARC POWERBALL CERAMIC lamps feature innovative ceramic technology that provides high CRI and improved lamp-to-lamp color consistency. POWERBALL lamps use a patented round arc tube shape that allows for more uniform arc tube temperature and improved color consistency.

**ECOLOGIC Benefits:**
- TCLP-passing
- Lead-free glass
- Low mercury content
- Lead-free base

**Additional Benefits:**
- METALARC PRO-TECH
  - Operate in open or enclosed fixtures
  - Quartz METALARC PRO-TECH design for containment
- POWERBALL
  - Excellent CRI to yield more natural colors
  - Long life
  - Improved lamp to lamp color consistency
  - Contains METALARC PRO-TECH technology
  - Incorporates UV Stop technology that reduces UV output to minimize discoloration and fading of materials

<table>
<thead>
<tr>
<th>MP, MCP</th>
<th>70</th>
<th>PAR38/</th>
<th>U</th>
<th>FL35</th>
<th>ECO</th>
</tr>
</thead>
<tbody>
<tr>
<td>METALARC PRO-TECH</td>
<td>Wattage</td>
<td>Parabolic Reflector</td>
<td>Universal operating position</td>
<td>Beam Type and Beam Angle</td>
<td>ECOLOGIC</td>
</tr>
<tr>
<td>METALARC POWERBALL CERAMIC</td>
<td></td>
<td>38 = 38°</td>
<td></td>
<td>SP = Spot, FL = Flood, VWFL = Very Wide Flood</td>
<td></td>
</tr>
</tbody>
</table>
SYLVANIA CAPSYLITE PAR lamps are the industry standard for halogen accent and display lighting. CAPSYLITE PAR lamps achieve their extraordinary performance by combining a tungsten halogen capsule with a unique spiral lens/reflector system.

**ECOLOGIC® Benefits:**
- TCLP-passing (except 80 and 100W IR)
- Lead-free soldered bases
- Mercury-free halogen technology
- Higher energy efficiency than incandescent lamps
- Long life
- CAPSYLITE IR PAR lamps have all of these attributes as well as a special capsule that produces more light with fewer watts than conventional halogen lamps by recycling the heat produced by the capsule; this reduces energy consumption and heat generation.

**Additional Benefits:**
- Bright, crisp light throughout lamp life
- SPL® optics for superior beam performance on all PAR20, PAR30 and PAR38 lamps

**Ordering Guide**

<table>
<thead>
<tr>
<th>50 Wattage</th>
<th>PAR Reflector</th>
<th>30 Diameter</th>
<th>CAP Type</th>
<th>IR Infrared</th>
<th>FL Spread:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam</td>
<td>30 = 30/8&quot;</td>
<td>Beam</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38 = 38/8&quot;</td>
<td>Reflecting</td>
<td>NFL = Narrow Flood</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP = Spot</td>
<td>SPL = Spiral</td>
<td>WFL = Wide Flood</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CAPSYLITE® Halogen PAR Lamps**

SYLVANIA CAPSYLITE PAR lamps are the industry standard for halogen accent and display lighting. CAPSYLITE PAR lamps achieve their extraordinary performance by combining a tungsten halogen capsule with a unique spiral lens/reflector system.
SYLVANIA’s TRU-AIM® family of halogen MR16 and MR11 reflector lamps provides a wide variety of extremely compact and highly directional light sources.

**ECOLOGIC® Benefits:**
- TCLP-passing
- Mercury and lead-free
- 4,000 hour average rated lamp life
- Reduced energy consumption
- UV-filter control capsule reduces UV-energy up to 90%
- TRU-AIM IR lamps have all of these attributes as well as a special capsule that produces more light with fewer watts than conventional halogen lamps by recycling the heat produced by the capsule; this reduces energy consumption and heat generation

**Other features:**
- Bright, crisp light throughout lamp life
- Axial filament for exceptionally smooth beam pattern
- GU 5.3 base for a solid socket connection

### TRU-AIM® MR11, MR16 & MR16 IR

**Low Voltage Reflector Lamps**

### CAPSYLITE® G9

**Line Voltage Halogen Lamps**

SYLVANIA CAPSYLITE G9 lamps are the first line voltage halogen capsules that are suitable for use in unshielded fixtures.

This innovative lamp structure allows for reduced fixture costs by eliminating expensive transformers and heavy glass shields. In addition, their long life and energy efficiency make CAPSYLITE G9 lamps ideal for use in residential, commercial, and industrial buildings.

**ECOLOGIC® Benefits:**
- TCLP-passing
- 2,000 hour average rated life
- Mercury and lead-free

**Additional Benefits:**
- UV-filter quartz glass
- Bright white, high quality halogen light
- 120 Volt operation
- Can be operated in open fixtures
- Available with either clear or frosted finish

<table>
<thead>
<tr>
<th>Wattage</th>
<th>MR</th>
<th>16</th>
<th>IR</th>
<th>Beam Spread:</th>
<th>Beam</th>
<th>Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>Multi-faceted Reflector</td>
<td>16 = 16/8&quot;</td>
<td>IR Infrared conserving</td>
<td>FL: Flood</td>
<td>40 Angle</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>B = Aluminized Reflector</td>
<td>T = Hard Dichroic Reflector</td>
<td>NFL: Narrow Flood</td>
<td>NFL = Narrow Flood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>VWFL = Very Wide Flood</td>
<td>SP = Spot</td>
<td>NSP = Narrow Spot</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SYLVANIA CAPSYLITE G9 lamps**

SYLVANIA CAPSYLITE G9 lamps are the first line voltage halogen capsules that are suitable for use in unshielded fixtures.

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**Additional Benefits:**
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- Bright white, high quality halogen light
- 120 Volt operation
- Can be operated in open fixtures
- Available with either clear or frosted finish

<table>
<thead>
<tr>
<th>Wattage</th>
<th>CAPSYLITE G9</th>
<th>CL</th>
<th>BL</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>SYLVANIA Cap</td>
<td>CL = Clear Finish</td>
<td>Carton</td>
</tr>
<tr>
<td></td>
<td>Capsule G9</td>
<td>F = Frosted</td>
<td>BL = Blister Card</td>
</tr>
</tbody>
</table>
MINISTAR™ & Bi-pin Lamps
Low Voltage Halogen Lamps

The SYLVANIA family of bi-pin lamps represents an outstanding collection of compact, low voltage halogen light sources ideal for a wide range of applications.

ECOLOGIC® Benefits:
- TCLP-passing
- Long lamp life
- Mercury and lead-free

Additional benefits:
- UV-filter quartz capsule
- Directional light (MINISTAR)
- Low pressure

### Tubular lamp Quartz Finish

<table>
<thead>
<tr>
<th>50</th>
<th>T4</th>
<th>G</th>
<th>CL</th>
<th>AX</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage</td>
<td>Tubular lamp</td>
<td>Quartz</td>
<td>Finish</td>
<td>AX = Axial Filament</td>
<td>Voltage</td>
</tr>
<tr>
<td>T4 = Diameter Glass (4/8&quot;)</td>
<td>CL = Clear</td>
<td>_ = Transverse</td>
<td>F = Frosted</td>
<td>IR = Infrared Conserving</td>
<td></td>
</tr>
<tr>
<td>BT4= Bulbous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube (4/8&quot;)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 60 A HAL DAY CRYSTAL CLAM

<table>
<thead>
<tr>
<th>Wattage</th>
<th>A</th>
<th>HAL</th>
<th>DAY</th>
<th>CRYSTAL</th>
<th>CLAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>A19</td>
<td>Halogen</td>
<td>Daylight</td>
<td>Plus</td>
<td>CLAM =</td>
</tr>
<tr>
<td>75</td>
<td>100</td>
<td>Halogen</td>
<td>Daylight</td>
<td>Plus</td>
<td>Clamshell</td>
</tr>
</tbody>
</table>

CAPSYLITE® A-Line
Halogen Lamps

SYLVANIA CAPSYLITE A-Line lamps have a long life of up to 3500 hours, three times that of conventional incandescent bulbs.

SYLVANIA Halogen A-Line and halogen crystal style lamps combine decorative appearance with the brilliant white light of halogen to give customers excellent output for lighting almost any setting. Halogen Crystal with its unique faceted design adds sparkle to any fixture, indoors and out.

ECOLOGIC Benefits:
- TCLP-passing
- Lead and mercury-free
- Superior lamp life – up to 3500 hours – three times that of conventional incandescent bulbs

Additional Benefits:
- Replacement for standard A-line incandescent
- Heavy wall glass allows use in open fixtures
- Higher color temperature than standard incandescent lamps

<table>
<thead>
<tr>
<th>60</th>
<th>A</th>
<th>HAL</th>
<th>DAY</th>
<th>CRYSTAL</th>
<th>CLAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage</td>
<td>Bulb Shape</td>
<td>Family</td>
<td>Daylight</td>
<td>Finish</td>
<td>Package</td>
</tr>
<tr>
<td>60</td>
<td>A19</td>
<td>Halogen</td>
<td>Daylight</td>
<td>Plus</td>
<td>CLAM =</td>
</tr>
<tr>
<td>75</td>
<td>100</td>
<td>Halogen</td>
<td>Daylight</td>
<td>Plus</td>
<td>Clamshell</td>
</tr>
</tbody>
</table>
Halogen Double Ended
Halogen Lamps
SYLVANIA halogen double ended lamps represent a wide range of available wattages and sizes for different lighting applications.

**ECOLOGIC Benefits:**
- TCLP-passing
- Lead and mercury-free

**Additional Benefits:**
- UV filter quartz

<table>
<thead>
<tr>
<th>Wattage</th>
<th>T3</th>
<th>Q</th>
<th>CL</th>
<th>(EHM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Tubular 3/8” Diameter</td>
<td>Quartz</td>
<td>Finish</td>
<td>ANSI Designation</td>
</tr>
</tbody>
</table>

Incandescent ECOLOGIC
OSRAM SYLVANIA pioneered the development of lead-free solders used in the ECO versions of many of our most popular incandescent lamps. Representing over 125 distinct types, and over 90% of our incandescent shipping volume, this segment of our ECO lineup clearly positions SYLVANIA as the leader in lead reduction technology.

**ECOLOGIC Benefits:**
- TCLP-passing
- Lead-free solder
- Mercury free

**Additional Benefits:**
- Standard (A19) types from 40W to 135W in clear, frosted, and soft white finishes; Globe-shaped (G16 and G25); BR30 and BR40; Bent-tip (B10) décor types in clear, frosted and faceted finishes; night lights in clear and white finishes
ENERGY STAR® is a government-backed program that helps businesses and individuals save money and protect the environment through superior energy efficiency. OSRAM SYLVANIA is proud to manufacture a comprehensive line of DULUX® EL compact fluorescent lamps all bearing the familiar ENERGY STAR logo.

With more than 50 DULUX EL CFLs to choose from, it’s easy for customers to find energy-efficient replacements for their standard incandescent lamps — reducing lighting energy consumption by up to 75%. And because CFLs last up to 10 times longer than incandescent lamps, they’re saving on replacement costs, too.

In addition, manufacturers of residential light fixtures can refer to a matrix of lamp and ballast combinations designed to meet certain ENERGY STAR performance requirements in residential lighting fixtures. OSRAM SYLVANIA offers 268 lamps and 46 ballasts on these matrices — giving fixture manufacturers a wide variety of options to meet the ENERGY STAR criteria.
**ECOLOGIC at a Glance**

Environmentally Preferable Lighting

Our lamps designated as ECOLOGIC pass the U.S. EPA’s Toxic Characteristic Leaching Procedure (TCLP) test for hazardous waste determination.

ECOLOGIC lamps have little or no lead or mercury, and many offer additional “green” features such as energy efficiency and long life.

With more than 800 products meeting our strict ECOLOGIC guidelines, we offer more environmentally preferable lamps than any other manufacturer.

---

<table>
<thead>
<tr>
<th>Products</th>
<th>ECO etch</th>
<th>Reduced lead</th>
<th>Reduced mercury</th>
<th>TCLP compliant</th>
<th>ENERGY STAR</th>
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<tr>
<td><strong>Incandescent Lamps</strong></td>
<td></td>
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<tr>
<td>A19 (34W to 135W)</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>B10</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>BR30 and BR40</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Globe-shaped</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td><strong>Halogen Lamps</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAPSYLITE PAR</td>
<td>x</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
</tr>
<tr>
<td>CAPSYLITE A19</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAPSYLITE Halogen PAR</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>TRU-AIM MR11 &amp; MR16</td>
<td>x</td>
<td>NA</td>
<td>x</td>
<td>NA</td>
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</tr>
<tr>
<td><strong>HID Lamps</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>LUMALUX ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<td>NA</td>
</tr>
<tr>
<td>LUMALUX PLUS ECO</td>
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<td>x</td>
<td>x</td>
<td>x</td>
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</tr>
<tr>
<td>LUMALUX HgF ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>NA</td>
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<tr>
<td>METALARC PAR</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Pin-Based Compact Fluorescent Lamps</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DULUX S, DULUX D, D/E</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>DULUX L, DULUX T, T/E, T/E/IN</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td><strong>Linear Fluorescent Lamps</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALL OCTRON</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>OCTRON 900L, 800XP, 800XP5</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>PENTRON/ECO, PENTRON HD/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>FB34/SS/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>F40/ECO &amp; F34/SS/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>F96T12ECO &amp; F96T12SS/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
</tr>
<tr>
<td>CURVALUME T12 FB34/SS/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x*</td>
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<tr>
<td>F48T12ECO and F72T12ND/ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>IGETRON ECO</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Lamps listed in this table meet some of the performance requirements in the ENERGY STAR Program Requirements for Residential Light Fixtures, version 4.0.

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**About OSRAM SYLVANIA.**

OSRAM SYLVANIA is the North American lighting operation of OSRAM GmbH, one of the world’s largest and best-recognized lighting manufacturers. Serving customers in more than 40 countries, we manufacture and market a wide range of lighting products and precision materials and components under the SYLVANIA and OSRAM brand names. OSRAM SYLVANIA also offers complete, energy-conscious lighting systems, as well as expert installation and maintenance services.

**General Lighting Division.**

The OSRAM SYLVANIA General Lighting Division manufactures incandescent, halogen, fluorescent and high-intensity discharge lamps at seven plants in the United States, Canada and Mexico. It provides general and specialty lighting sales, marketing and distribution services throughout the U.S. to industrial, commercial and retail customers. SYLVANIA Lighting Services provides preventative maintenance and energy management programs for indoor and outdoor lighting systems in stores, office buildings, warehouses, factories and other locations.

**Sustainability saves more than money.**

We can show you how. For more information about the OSRAM SYLVANIA commitment to environmental sustainability, or about any of our energy-saving and environmentally preferable lighting solutions, please visit our Energy and Environment web page at www.sylvania.com/AboutUs/EnergyandEnvironment.

For simple lamp and ballast recycling solutions, visit www.sylvania.com/recycle.
This book is printed on Mohawk 50/10 Bright White Matte 100 cover and 100 text, which are made with process-chlorine-free 15% post-consumer waste and 50% total recycled fiber. The paper is certified by Green Seal, which promotes environmentally appropriate, socially beneficial, and economically viable management of the world’s forests. The paper was manufactured using non-polluting, wind-generated electricity.

Savings derived from using post-consumer recycled fiber in lieu of virgin fiber:

- 26.46 trees not cut down
- 76,411 lbs. waterborne waste not created
- 11,240 gallons water/wastewater flow saved
- 1,244 lbs. solid waste not generated
- 2,449 lbs. atmospheric emissions eliminated
- 18,742,500 BTUs energy not consumed

Savings derived from using a paper created from wind power:

- 9,694 lbs. air emissions not generated
- 4 barrels crude oil unused

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Westfield, IN 46074

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Fax: 1-800-255-5043

Consumer Products
Phone: 1-800-842-7010
Fax: 1-800-842-7011

SYLVANIA Lighting Services
Phone: 1-800-323-0572
Fax: 1-877-537-0784

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