PHILIPS
ADVANCE

Electronic
Fluorescent Ballasts

Optanium

The sustainable **choice**

Optanium high-efficiency ballasts
for today's T8 lighting needs

Optanium ballasts — The sustainable, energy-efficient choice for T8 fluorescent environments

Across the country today, businesses are taking a much closer look at ways to conserve energy and save money. And, as lighting accounts for up to 40% of a typical commercial facility's electricity consumption[1], it's not surprising that it's one of the first places businesses turn to help reduce their rising energy costs.

New legislation is requiring lighting systems to meet increasingly strict performance levels, and regulations at the state and local levels are following suit. In addition, building a reputation for following sustainable business practices that minimize environmental impact can provide a company with a marketable advantage.

Philips Advance Optanium high-efficiency electronic ballasts are engineered to optimize lighting performance and maximize energy savings. These innovative ballasts bring sustainable performance to recessed, direct/indirect or strip lighting applications in virtually any business setting.

Choosing Optanium ballasts for T8 lamps means having confidence in lighting solutions that are backed by 60+ years of industry experience and a shared commitment to improving our planet.

1 Source: Department of Energy/Energy Information Administration

A versatile product family for every T8 application

With a broad range of models available, Optanium ballasts can deliver sustainable performance anywhere T8 lighting is used — offices, cubicle areas, hallways, classrooms, auditoriums, retail/ big box showrooms, healthcare or industrial facilities.

As these different lighting applications can have varying usage patterns, Optanium ballasts are offered with two starting options. For applications involving long, continuous burn hours, such as hallways, retail showrooms, manufacturing areas and security lighting, Optanium instant start models deliver superior performance.

In situations with frequent on/off switching, such as restrooms, supply areas, conference rooms or anytime occupancy sensors or motion detectors are incorporated, Optanium programmed start models optimize lamp life while providing the same efficiency as the instant start models.[2]

All Optanium ballasts are fully compatible with most major lamp brands, reliably driving 1–4 standard (17W, 25W, 32W) or energy-saving (25W, 28W, 30W) lamps. And, for additional flexibility, they are available in low, normal and high ballast factor versions.

2 Comparison based on a fixture with (2) F32T8 lamps and (1) ICN-2P32-N ballast drawing 59W vs. (1) IOP-2PSP32-N ballast w/ (2) F32T8 lamps drawing 58W.

Helping businesses meet green building standards

With public awareness of the need for sustainable lighting solutions continuing to rise, the specification of energy-efficient lighting is becoming more and more common among architects, lighting designers and facility managers alike.

Since Optanium ballasts can be used in such a variety of applications throughout a facility, they can potentially help businesses achieve their environmental and sustainability goals, including LEED certification, meeting ASHRAE standards and complying with federal, state or local environmental regulations.

Reduce energy costs with unsurpassed **efficiency**

Optanium's energy efficiency is the result of extensive research and development by Philips engineers working with real-world lighting applications. State-of-the-art electronics enable Optanium ballasts to deliver the ideal balance of light output and energy utilization.

Standard T8 vs. Optanium T8

Optanium ballasts save energy costs over standard T8 electronic ballasts, especially with lower-wattage energy-saving lamps.

This replacement system represents an estimated 32% reduction in energy consumption.

If a facility has 1,000 4-lamp fixtures with standard electronic T8 ballasts and 32W T8 lamps, that's $14,400 in potential savings lost each year.

Put another way, that company is losing $39.45 each day it waits to upgrade to Optanium.

System	System watts	Annual cost to operate[3]	Annual savings per fixture
4-lamp fixture with standard electronic ballast and F32T8 lamps	112	$44.80	–
4-lamp fixture with Optanium low watt electronic ballast and 25W T8 lamps	76	$30.40	$14.40

3 Comparison based on a fixture with (4) F32T8 lamps and (1) standard electronic ballast vs. (1) high-efficiency low watt electronic T8 ballast (IOPA-4P32-LW-SC) w/ (4) 25W energy-saving lamps. Savings based on $0.10 per kWh, 4,000 hours/year.

Standard T8 vs. Optanium High Light Output T8

With multiple ballast factor offerings, the Optanium ballasts provide for flexibility in design and multiple energy-saving options.

This replacement system represents an estimated 29% reduction in energy consumption.

System	System watts	Annual cost to operate[4]	Annual savings per fixture
3-lamp fixture with standard electronic ballast and F32T8 lamps	85	$34.00	–
2-lamp fixture with Optanium high light output electronic ballast and 25W energy-saving T8 lamps	60	$24.00	$10.00

4 Comparison based on a fixture with (3) F32T8 lamps and (1) standard electronic ballast vs. (1) high-efficiency high light output electronic T8 ballast (IOP-2P32-HL-N) w/ (2) 25W energy-saving lamps. Savings based on $0.10 per kWh, 4,000 hours/year.

Additional Optanium features

Optanium ballasts include a variety of additional features that make integrating sustainable lighting in any fixed-output T8 application quick and easy.

Feature	Benefit
IntelliVolt technology	Allows the ballast to operate at any input voltage from 120–277V, 50/60 Hz, which simplifies ordering, inventory and installation
Striation-reduction technology	Reduces the likelihood of striation often associated with energy-saving lamps, ensuring consistent Slight output
Cold temperature lamp ignition using standard T8 lamps: • Programmed start = 0°F (-18°C) • Instant start = -20°F (-29°C)	Brings energy-efficient T8 performance to a variety of new applications such as parking garages, warehouses and cold storage areas
Operation between 42Hz and 52Hz	Eliminates interference with infrared systems, anti-theft devices or other electronic equipment
Arc-reduction technology — UL Type CC*	Provides greater flexibility to meet end-user application requirements

*Not available in IOPA models

Delivering the performance today's **marketplace demands**

From rising energy costs to increasingly strict efficiency standards and the need to reduce their impact on the environment, business owners and facility managers are looking for economical and sustainable solutions to their lighting needs.

Philips Advance Optanium T8 electronic ballasts deliver all the benefits of the latest high-efficiency ballast technology that help improve bottom-line profitability, meet new energy regulations and provide higher-quality light throughout any facility.

Contact your local Philips sales representative today to learn more about our industry-leading Optanium line of high-efficiency ballasts for T8 lamps or visit philips.com/lighting for more information.

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