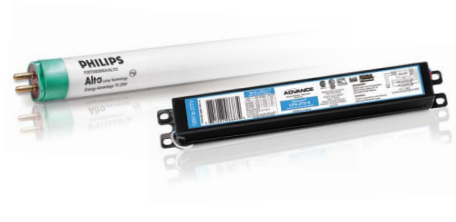
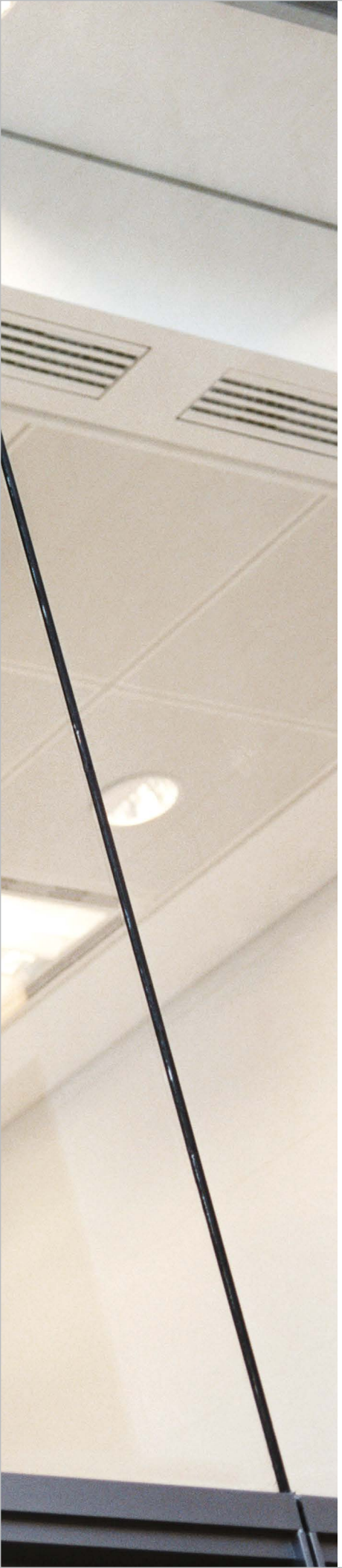
ADVANCE
by signify

Fluorescent



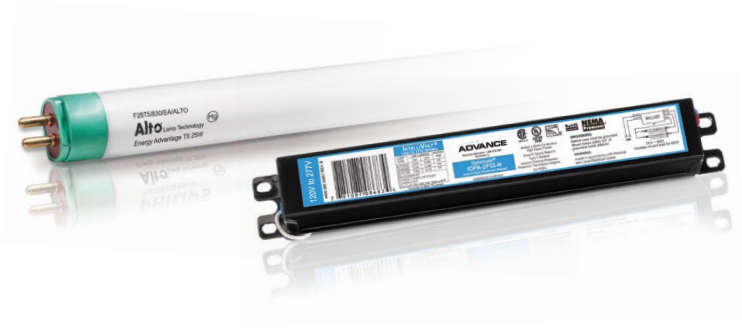
The evolution of general lighting



Drive for energy efficiency with T5 systems

For years, T8 lighting has been the standard choice for general-purpose lighting applications. From commercial offices and healthcare facilities to schools and government buildings, they are everywhere. However, rising energy costs, new legislation and the need for improved sustainability have prompted building managers and lighting specifiers to look toward T5 systems for lighting solutions that can deliver improved efficiency without compromising light levels or quality.

Advance is leading the charge with one of the lowest-wattage 25W T5 systems available today.[1]



See footnotes on page 6.

Raising the bar for sustainability

Engineered to optimize energy efficiency and energy savings, Advance 25W T5 systems deliver exceptional lighting performance in any general-purpose application, providing the same light output as 28W systems. (See chart below.)

By pairing Advance Optanium ballasts with Advance Energy Advantage 25W lamps, these systems offer significant advantages over competitive systems. (See chart below.)

- Lower input power (See chart below.)
- Highest lumens per watt — average 7 more than the competition[2]
- Longest life — average 4,000 hours more than the competition[2]

consumption, the Advance 25W system can support overall sustainability goals and may contribute toward LEED certification.

- Lowest mercury content — one of the least amounts in the industry[3]
- RoHS-compliant[4]
- Aids in meeting ASHRAE 90.1-2010
- Optanium step-dim ballasts meet California's Title 24 requirements by reducing power to 50%

RoHS[10] COMPLIANT

BETTER FOR THE ENVIRONMENT Alto[11]

In addition to helping reduce your energy

Lighting System	Mean Lumens[5]	Rated Average Life[6]	Mean System Lumens[7]	System Watts[8]	System Lumens per Watt
Advance 25W	2,750	40,000	5,225	54	97
Advance 28W	2,750	35,000	5,225	58	90
Competitor 26W[2]	2,660	30,000	5,054	56	90
Competitor 28W[2]	2,900	36,000	5,510	58	95

The Advance 25W T5 systems also feature long-life lamps (rated average life of 40,000 hours[9]), which can help minimize the frequency of maintenance and reduce your lamp recycling costs.

And these systems may also qualify for utility rebates. Check with your local utility provider for more information.

See footnotes on page 6.

The confidence
of choosing a proven provider

Choosing Advance 25W T5 systems is simply a smart decision. With more than 100 years of industry experience and industry-specific expertise, Advance is leading the way toward a brighter, more sustainable future.

As part of a full, comprehensive lighting portfolio, Advance 25W T5 systems represent the state of the art for general lighting applications from a proven lighting partner. In addition to helping save energy and improve sustainability,[10] having a single point of contact for any support issues related to lamps or ballasts can make life simpler for building managers and lighting specifiers.

These systems also feature up to a 42-month lamp/60-month ballast warranty for greater peace of mind.[12]

Contact your Advance sales representative today to learn more about how Advance 25W T5 systems can make a difference in your world.

See footnotes on page 6.

Footnotes

1. Based on Advance and competitive data as of July 2012.
2. Based on commercially available published data. As of September 2012.
   http://www.gelighting.com/LightingWeb/na/resources/document-library/
   http://www.sylvania.com/en-us/tools-and-resources/Pages/product-literature.aspx
3. 1.4mg of mercury.
4. Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.
5. Mean lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.
6. Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.
7. Two-lamp system with 0.95BF ballast (Mean Lumens x2 x 0.95=Mean System Lumens).
8. Ballast input power operating two lamps at 0.95BF.
9. Average life under engineering data with lamps turned off and restarted once every 12 hours.
10. "Sustainable" refers to the lower energy consumption needed when a dimmable ballast is operating at reduced light output levels, which can lead to lower carbon emissions as compared to a similar fixed output ballast.
11. This fluorescent lamp is better for the environment because of its reduced mercury content. All fluorescent lamps contain mercury for effective operation, however, Advance lamps with ALTO® Lamp Technology average 70% less mercury than the 2001 industry average for fluorescent lamps up to sixty inches which are not TCLP-compliant.
12. View limited warranty at http://www.usa.lighting.philips.com/support/support/warranty for details and restrictions.

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