

Alto® Fluorescent Lamps and University of Washington

A • C A S E • S T U D Y

The University of Washington is one of the oldest state-supported institutions of higher education on the Pacific coast.

As an integral part of a large community, the university seeks broad representation of and encourages sustained participation in that community by its students, faculty, and staff.

That participation continues into environmental issues and is evident in

facilities of The University's three campuses: Seattle, Bothell and Tacoma.

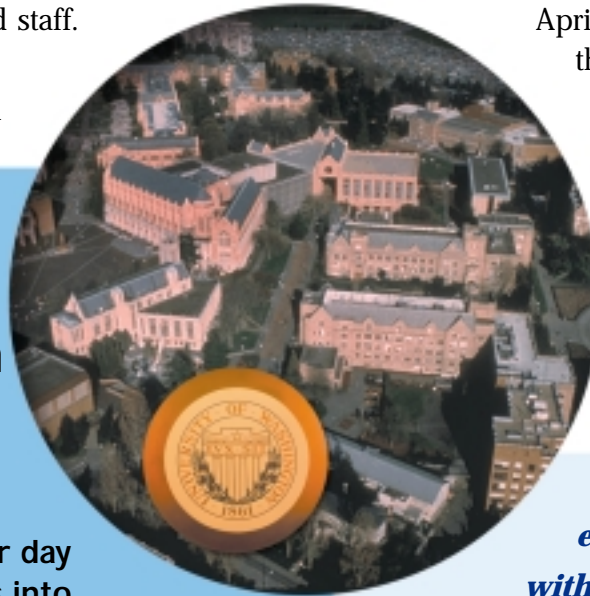
On June 15, 1997, approximately 4,000 Philips F32T8/TL835/ALTO® lamps were installed in the Arts Building of its Seattle,

Washington campus. As of April, 2000—90% of those lamps are still in operation. With a burning cycle of 24 hours per day in the hallways, **these lamps have 24,400 hours of life to date.**

ALTO® Fluorescent Lamps and The University of Washington

Performance Data

- Burning cycle 24 hours per day in hallways which converts into 24,400 hours.
- 90% of lamps still operating.
- Approximately 4000 F32T8/TL835 lamps installed June 15, 1997.
- Fixtures contain Motorola ballast (M2-RN-T8-1LL-D120). Two lamps per ballast.



"We have been extremely pleased with the performance we have seen—with over 90% of the lamps operating at the same light output and color quality as in 1997 when they were first installed."

Jim Turner,
Electrician Lead
Facilities Service

OVER
275 MILLION
ALTO® LAMPS SOLD

Let's make things better.



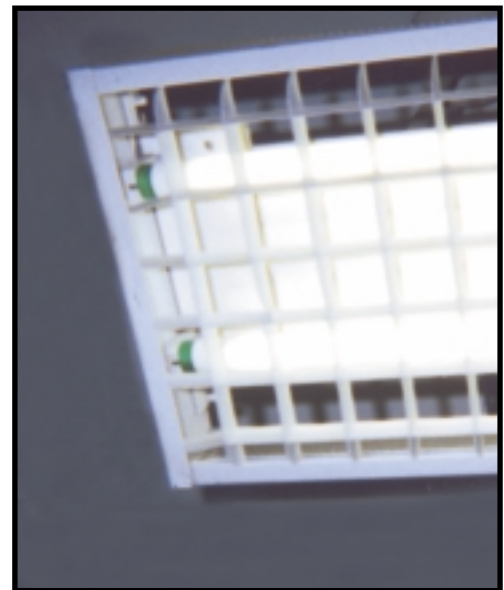
PHILIPS

As one of the nation's outstanding teaching and research institutions, The University of Washington is committed to maintaining an environment for objectivity and imaginative inquiry and for the original scholarship and research that ensure the production of new knowledge in the free exchange of diverse facts, theories and ideas.

The University also maintains our overall environment through the use of Philips ALTO® Lamp Technology.

The University will be eliminating a significant amount of mercury from the waste stream, as well as saving considerable costs in hazardous waste transportation, disposal and tracking.

"We have been extremely pleased with the performance we have seen—with over 90% of the lamps operating at the same light output and color quality as in 1997 when they were first installed"—Jim Turner, Electrician Lead Facilities Service.



Superior Performance—Guaranteed!

THE ALTO® LAMP TECHNOLOGY WARRANTY

ALTO® fluorescent lamps—the first TCLP-compliant sources—were introduced in 1995. Since that time, over 275 million ALTO lamps have been installed and proven nationwide. Today, ALTO linear fluorescent lamps remain the lowest in mercury content and the only lamps that meet California's more stringent TTLC test.

The international leader in lighting technology, Philips operates the largest fluorescent facility in the world in Salina, Kansas. This facility was one of the first fluorescent manufacturing operations to achieve ISO 9000 certification.

ALTO has won numerous awards, including the EPA Green Lights Program, the National Association of Independent Lighting Distributors, the National Retail Hardware Association/Home Center Institute, the North American Hazardous Materials Management Association, TED: The Electrical Distributor Magazine, Popular Science Magazine and Plant Services MRO MarketPlace.

- Philips offers a 2 year warranty on all ALTO F32T8 lamps when operated on an approved ballast.
- Longer, competitive warranties can be obtained for specific projects.
- Philips further warrants that ALTO lamps will pass the TCLP test (40 CFR 261.App II).



For More Information and Additional Case Studies Featuring ALTO® Fluorescent Lamps' Superior Performance, Call 1-800-945-9071.

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