

Alto® Fluorescent Lamps and Arizona State University

A • C A S E • S T U D Y

Arizona State University's students come from every State in the U.S. and more than 120 countries to study in programs ranging from nursing to business, from engineering to communications. ASU students attend classes at several campuses throughout the metropolitan Phoenix area, and have won many national awards recognizing academic achievement and community commitment. That commitment to the community, and the environment are

evident in the University's installation of Philips ALTO® lamps.

In August 1997, approximately 1,500 Philips F32T8/TL835/ALTO lamps were installed in the Computer Commons building of the Tempe, Arizona

campus. As of April, 2000—95% of those lamps are still in operation. With a burning cycle of 20 hours per day, **these lamps have 18,858 hours of life to date.**

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Performance Data

- Burning cycle 20 hours per day which converts into 18,858 hours.
- 95% of lamps still operating.
- Approximately 1500 F32T8/TL835 lamps installed August 1997.
- Fixtures contain Universal rapid start ballasts (749-L-SLH-TC-P). Two lamps per ballast.



“Since the installation of ALTO lamps in 1997 we are pleased with the result,” stated Fred Giles, Assistant Director/Crafts, “with over 95% of the lamps operating the superior performance of the ALTO lamps has certainly met and surpassed our expectations.”

Fred Giles,
Assistant Director/Crafts

OVER
275 MILLION
ALTO® LAMPS SOLD

Let's make things better.



PHILIPS

Over 43,000 students are enrolled in ASU Main, the anchor campus, located in Tempe, Az. It is at this facility that over 1,500 ALTO® lamps were installed.

“Since the installation of ALTO lamps in 1997 we couldn’t be happier with the results.” stated Fred Giles, Assistant Director/Crafts, “with over 95% of the lamps operating the superior performance of the ALTO lamps has certainly met and surpassed our expectations.”

In addition, 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.



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 the first fluorescent manufacturing operation 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.

Philips Lighting Company
200 Franklin Square Drive ■ P.O. Box 6800
Somerset, NJ 08875-6800
1-800-555-0050
www.lighting.philips.com/nam

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Philips Lighting
281 Hillmount Road
Markham, Ontario L6C 2S3
A Division of Philips Electronics Limited