



In 2004 the Lighting Design Lab completed a major remodel of our space. The renovation was done using principles of sustainability, incorporated highly efficient lighting technology, and applied the latest in research on daylighting. This year, we submitted the redesign to the Illuminating Engineering Society of North America's International Illumination Design Awards (IIDA) and received a Section Award in recognition of our

achievement. The project was also forwarded along for consideration for Regional, and International judging.

Previously, the LDL was primarily modeled on conventional office space of the 1980's. The ceilings were around 9 feet high using a T-bar system and acoustic tiles. Most of the offices were small, enclosed and away from the windows. The lighting demonstrations were in the daylit areas. The remodel changed all that. Ceilings were opened up, people were moved into the daylight, and new lighting technologies applied. Existing materials were re-used where practical or recycled instead of landfilled. New materials were chosen based on environmental impact. While the LDL remained in the same location it had been in for 14 years, the look and feel of the place completely changed.

The lighting at the LDL is highly efficient, as you should expect. How efficient? The installed watts per square foot (W/ft<sup>2</sup>), excluding the teaching displays, is 0.69W/ft<sup>2</sup> (0.84W/ft<sup>2</sup> with task lighting) beating the Seattle Energy Code and ASHRAE 90.1-2004 lighting power densities by 31%. Integration with daylight is everywhere.

The IIDA is a program for recognizing excellence in lighting design instituted by the IESNA. The award process begins at the IESNA Section, where local projects are submitted and evaluated on a points basis. Projects receiving sufficient scores are given Section Awards. The highest scoring projects are then forwarded on for Regional judging. The Lighting Design Lab is gratified to have been honored with this award from the Puget Sound Section.

## LDL wins an iida.



Above: The remodel moved staff offices into the daylighted areas to maximize the effect of daylight on our new workplace.

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# News

This quarter we are offering some exciting new events:

- Based on a new guide published by ASHRAE, we are teaching a class on how to design quality office lighting at a connected load 30% lower than allowed under the ASHRAE 90.1-1999 standard.
- An alumnus of the LDL, Denise Fong IALD LC is presenting a seminar on sustainable lighting. She is incorporating inspiring information from her recent visits to sustainable showcases in Denmark, Berlin and Hong Kong. Denise writes the Green Ideas column in the IESNA's LD+A Magazine.
- A Product Knowledge Day based on lighting using Light Emitting Diodes (LED). Eric Strandberg pulls together manufacturers and their products with a focus on the new generation of LEDs producing white light.

Inside this issue you will find details on our new lamp and ballast evaluation program, an internet teleconference seminar, and other local IIDA award winners. Enjoy!