



Examination room lighting is low-glare, while providing adequate illumination for treatment.

Dr. Sharp's office lighting provides a comfortable atmosphere for patient consultations.

The Bottom Line

Lighting energy use for the medical building is well below the maximum allowed by the Energy Conservation Construction Code of New York State. General lighting is provided with only 1.04W/sf, and accent lighting is accomplished with only 0.12W/sf. Including the additional savings from occupancy sensors, energy cost savings will exceed \$1,400 per year compared to similar spaces.

At a cost of less than \$3 per square foot for lighting materials, this can be considered a very affordable project. Using two-lamp instead of three-lamp fixtures not only can provide more than adequate light levels, but also reduces fixture first cost and recurring energy costs. With additional energy cost savings realized by incorporation of occupancy sensors, the energy savings will pay for this entire new lighting project in less than seven years. Equally important, the staff and patients at Adirondack Dental Implant Center are enjoying the benefits of an effective, energy-efficient lighting system.



For More Information

The New York State Energy Research and Development Authority (NYSERDA) offers businesses energy-saving opportunities through the New York Energy SmartSM Small Commercial Lighting Program. Additional programs can help businesses reduce utility costs, including the New York Energy SmartSM Smart Equipment Choices Program, which offers financial incentives to businesses for energy-efficient lighting equipment and a variety of other electric-efficiency measures. Low interest rate financing may be available through the New York Energy SmartSM Loan Fund Program.

To learn more about these incentives and to make your lighting more effective and efficient, visit www.nyserdera.org/scfp or call toll-free 1-866-NYSERDA (1-866-697-3732).

Tech Specs

- Eight different low-glare fixture types
- High color-rendering fluorescent lamps
- Halogen down lights
- Occupancy sensors in infrequently used spaces
- 1.16 installed Watts per square foot for lighting
- Estimated annual kilowatt-hours saved compared to typical medical offices: 14,685kWh
- Estimated annual energy savings compared to a typical medical office: \$1,468*

*Savings based on \$0.10 per kWh, 2,340 operating hours per year, and reduced operating time from occupancy sensors.