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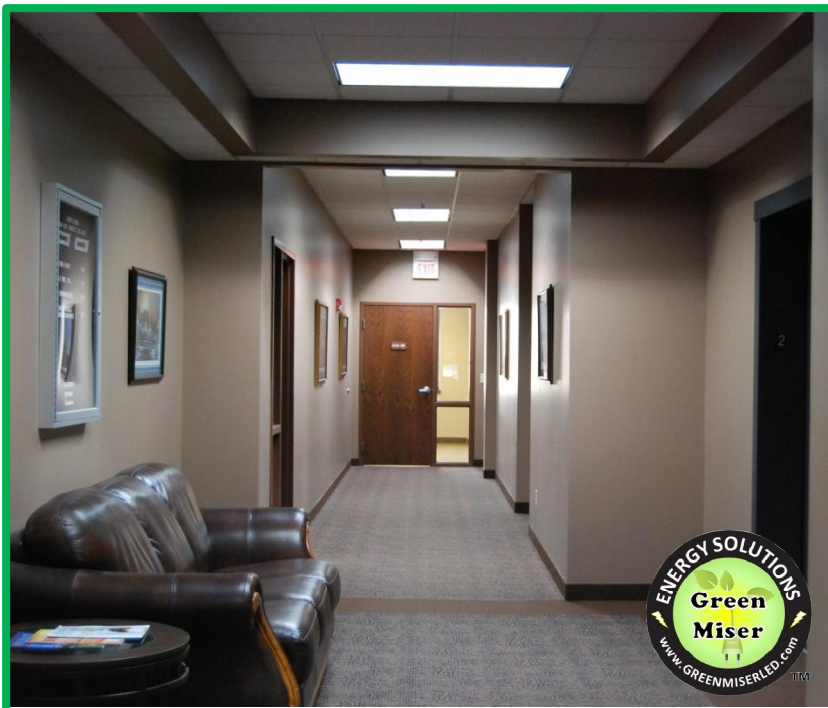
Case Study – 7533 Sunwood Drive, Ramsey MN.

Retrofit 24/7 Lighting

Multi use Office Building.
This building had a 24/7 requirement for lighting in the Hallways and in the Stairwells. 50 Light Fixtures were retrofit for Solid State LED Lighting. Using a total of 148, 15 watt LED tubes.

Original Lighting Load 4.2 KW. With an annual energy consumption of 36,930 KWH

The Green Miser Solid State LED Lighting reduced the Lighting Load to 2.1 KW. With a new energy consumption of 18,409 KWH. This change resulted in a annual savings of \$1741 or \$145 per month. The pay back for this retrofit is just under 3 year. Connexus Energy, the electricity provider contributed \$888 in the form of an Energy Savings Rebate. The LED Lighting increased the light output by 12%. **Result – more light with less energy cost & less maintenance cost.**



Environmentally Friendly

- CO2 footprint reduced by 31,486 lbs. of Carbon Dioxide
- Over 3,000mg of Mercury eliminated by LED Technology
- The 2.5 times longer lamp life results in 30 less Lighting maintenance actions/year
- LED Lighting is free of hazardous materials, eliminating the requirement for special disposition at recycling centers.



By the Way – Over \$12,000 of Savings over a 10 year period.