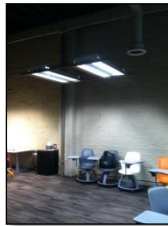
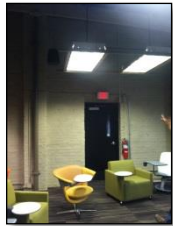


# SIMANTEL AT ROOM

## CASE STUDY



### QUICK GLIMPSE

Customer	<i>Simantel at Room</i>
Measures Implemented	3 lamp T12 and T8 fluorescent fixtures converted to 2 lamp LED fixtures
Total Project Cost	\$10,465.50
Estimated annual energy savings	16,417 kWh
Estimated annual cost savings	\$821.00
ActOnEnergy incentives received	\$9,615.00
Estimated Payback	1 year

Impact\*  or  or   
**290 Trees**      **1,274 Gallons**      **2.4 Cars**

\* Project impact calculated using the EPA Greenhouse Gas Equivalencies Calculator

### BASELINE

Established in 1980, *Simantel at Room* is an independent marketing firm with a bright future. However, their 7,000 square foot office space was being lit by inefficient three lamp T12 and T8 fluorescent fixtures. T12 fluorescent lamps are no longer manufactured. Each 3 lamp T12 fixture used 147 watts.

### OUR SOLUTION

Working with Ruyle, *Simantel at Room* was able to retrofit their fluorescent T12 and T8 lamps into linear LEDs. The LED linear lamps reduced the consumption of each fixture by 78%. Because the LED lamps were brighter, Ruyle also removed a fluorescent lamp, turning each fixture into a two lamp fixture.

### BENEFITS

Ruyle used the Ameren Illinois ActOnEnergy Program to receive \$9,615.00 in incentives to help pay for the project. In addition, saving energy saves money. *Simantel at Room* saved:

#### T12 to LED Linear

T12- 45 x 147 watts= 6,615 watts  
LED- 45 x 33 watts= 1,485 watts  
 5,130 watts reduced

#### T8 to LED Linear

T12- 6 x 88 watts= 528 watts  
LED-6 x 42 watts = 252 watts  
 276 watts reduced

#### Lamp Removal

T12- 45 x 51 watts = 2,295 watts  
T8 - 6 x 32 watts = 192 watts  
 2,487 watts reduced

**TOTAL ANNUAL WATTS SAVED**      **7,893 watts**  
**TOTAL ANNUAL SAVINGS**      **\$821.00**



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