

LED LIGHTING CASE STUDY

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UPS Store, Kirkland, WA

The Situation

The UPS store in Kirkland, WA provides private mailboxes, shipping services, office supplies, printing services, copy machines, and mail service to the downtown Kirkland community. The owner of the store was very intrigued with the economical benefits of converting his 13 spot lights from incandescent bulbs to LED bulbs. Each bulb consumed 60 watts of power and each bulb failed too often for a retail business.

The Solution

Because of his focus to continually reduce expenses, John Vaiphei, considered the financial scenarios offered by LED Light Technology that would produce a 75% reduction in the electrical load for the store's incandescent lighting, increase bulb life, and would lower his HVAC expenses.

Equimco offered to convert the 60 watt incandescent bulbs to 15 watt, PAR30, LED bulbs, from LED Light Technology. The rated life of the bulbs would increase from approximately 3,000 hours to 50,000 hours or more than 11 years.

The payback period was only 4 months and maintenance expenses would be eliminated for at almost 12 years. The net project cost to the UPS franchise was slightly under \$700.

Installation of the bulbs would be on a bulb-for-bulb replacement basis. No new wiring or conduit was required to install the LED bulbs.

The Result

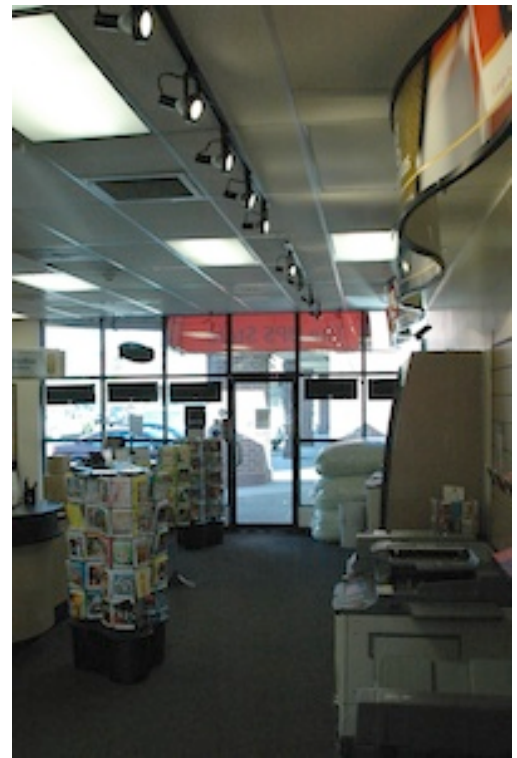
The UPS store installed the LED bulbs and electrical energy costs were reduced by over \$1,900 per year.

HVAC expenses were reduced by nearly \$400 per year.

Maintenance expenses for the spot lights were reduced to zero for at least 11 years.

The UPS store reduced their carbon footprint by almost 400 pounds per year.

The store's return on investment was over 3,400%.



Solution Overview

Company: UPS Store (#1576)

Profile: A private mailbox store in Kirkland, WA

Challenge: Convert the incandescent lighting in a small retail business to energy efficient, PAR30, LED bulbs from LED Light Technology.

Solution: New LED bulbs from LED Light Technology reduced annual power consumption by 75%

Result: A reduction of overall lighting expense that was almost 90%, a ROI that was over 3,000% and overall savings of over \$2,000 per year.

EQUIMCO

Representatives for LED Light Technology

