

Cactus Restaurant, Kirkland, WA

The Situation

Cactus Restaurant, Kirkland, WA, offers fresh and innovative Southwestern, Mexican, and Spanish cuisine. One of the owners, Marc Chatalas, was very interested in the economical and technical benefits of converting their incandescent light bulbs to LED light bulbs. Specifically, the MR16 halogen bulbs failed on a regular basis and a dark bulb was an unwanted distraction to the restaurant's management. Additionally, the restaurant's owners wanted to go green with LED lighting, if converting was economically feasible.

The Solution

Because of his interest in both saving money and improving the operation of the restaurant, Marc considered the financial scenarios offered by LED Light Technology that would produce an 87% reduction in the electrical load for the restroom lights, restaurant lights, the bar lights, and the hallway lighting. Converting to LED light bulbs would dramatically increase the life of the bulbs, eliminate maintenance, lower their carbon footprint, and dramatically lower the restaurant's lighting expenses.

LED Light Technology proposed to convert the MR16 halogen bulbs, the PAR20 halogen bulbs and, the A19 incandescent bulbs to MR16, PAR20 and A19 LED bulbs, from LED Light Technology. The rated life of the bulbs would increase to 25,000 hours or almost 5 years (MR16s) and 50,000 hours or almost 10 years (PAR20 and A19s).

When the rebate from Puget Sound Energy was applied to their capital expense, the payback period was less than 90 days. Maintenance expenses would be eliminated for almost 5 years (MR16s) and almost 10 years (PAR20s and A19s). The net project cost to the restaurant was approximately \$650.

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

The Result

Over \$16,000 in total savings - ROI of 2696%

Electricity savings of over \$1,600 per year.

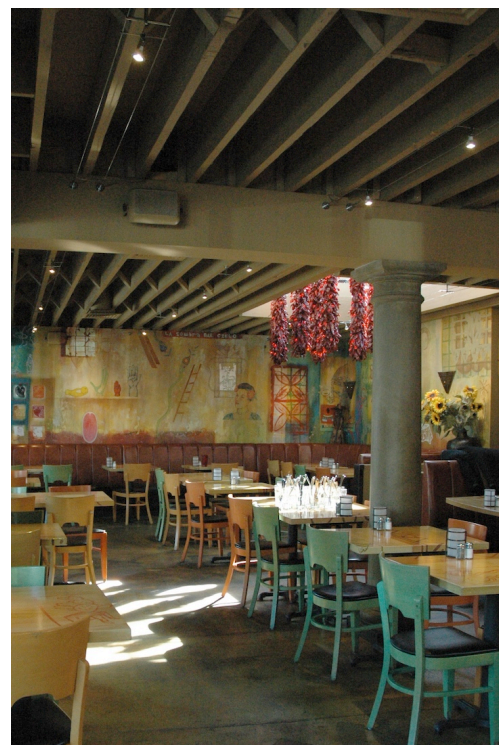
No MR16 replacements for almost 5 years.

No PAR20 or A19 replacements for almost 10 years.

Over \$2,800 in annual savings - payback in approximately 80 days.

EQUIMCO

Representatives for LED Light Technology



Solution Overview

Company: Cactus Restaurant

Profile: Innovative Mexican and Southwest cuisine in Kirkland, WA

Challenge: Convert the light bulbs in the restaurant to energy efficient LED bulbs from LED Light Technology.

Solution: New LED bulbs from LED Light Technology reduced lighting power consumption by 87% and paid for themselves in less than 3 months.

Result: A dramatic reduction of overall lighting expense, a ROI of 2696%, no new bulbs or maintenance for years, and overall annual savings of over \$2,800.

