

Green Paper

Project Name: Nardellis – Southbury

Application: Restaurant / Deli

Products Installed:

- 41 pieces of 17W 4 ft T8 LED tube light replacing 32W Florescent tube and 25 Watt ballast
- 1 piece of 9W A19 bulb replacing 60W incandescent bulb for the freezer
- 1 piece of 9W PAR30 replacing 65W incandescent recessed bulb

Savings:

- A. Reduced energy consumption by \$4,119 kw-hrs/year.
- B. Energy savings of \$743 per year.
- C. Relamping savings of \$235.
- D. Investment payback in 3.6 years.
- E. Total Savings over 50,000 hrs is \$10,953

Light Level: The installation of the new LED results resulted in a lighting level 10% greater than the florescent T8 tubes.



"After the first 8 months operating our new deli, we had to replace 6 florescent ballasts. Our restaurant was not sufficiently lit during those weeks of down time scheduling the electrician to replace the spent ballast. We also found the ballasts emitted a nasty burning plastic odor as they failed. We are pleased to have replaced the florescent T8 lamps with LED T8 tubes lights. USA LED also provided an effective solution to illuminate the inside of our walk in freezer. The original design forced us to leave the freezer door open to allow sufficient light due to the poor fixture design inside the freezer. USA LED's 9W A19 bulb now allows us to close the door and keep the freezer cold without wasting energy. We are pleased to enjoy \$1,000 per year in savings while illuminating our restaurant with higher performance LED lights".

Pat Flick, Restaurant owner

